



Crystal River Nuclear Plant
Docket No. 50-302
Operating License No. DPR-72

Ref: 10 CFR 50.36

May 30, 2008
3F0508-03

U.S. Nuclear Regulatory Commission
Attn. Document Control Desk
Washington, DC 20555-0001

Subject: Crystal River Unit 3 – Special Report 08-01: Results of the Once-Through Steam Generator Tube (OTSG) Inservice Inspection Conducted During Refuel Outage 15

Dear Sir:

Florida Power Corporation (FPC), doing business as Progress Energy Florida, Inc., hereby submits the Crystal River Unit 3 (CR3) Special Report 08-01, "Results of the Once-Through Steam Generator (OTSG) Tube Inservice Inspection Conducted During Refuel Outage 15." This submittal fulfills the requirements of CR3 Improved Technical Specification (ITS) 5.7.2.c, which requires submittal of this report to the Nuclear Regulatory Commission within 180 days after initial entry into MODE 4 following completion of the inspection. Entry into MODE 4 following the CR3 Refuel Outage 15 occurred on December 3, 2007. One hundred eighty days from this date is May 31, 2008.

As required by ITS 5.7.2.c, Special Report 08-01 (the attachment to this document) provides the following information:

1. The scope of inspections performed on each OTSG,
2. Active degradation mechanisms found,
3. Nondestructive examination techniques utilized for each degradation mechanism,
4. Location, orientation (if linear), and measured sizes (if available) of service induced indications,
5. Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism,
6. Total number and percentage of tubes plugged or repaired to date,
7. The results of condition monitoring, including the results of tube pulls and in-situ testing,
8. The effective plugging percentage for all plugging and tube repairs in each OTSG,
9. Repair method utilized and the number of tubes repaired by each repair method,

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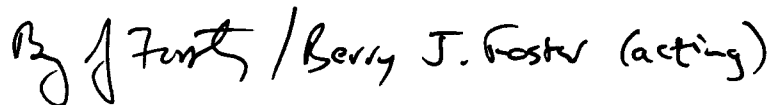
10. Location, bobbin coil amplitude, and axial and circumferential extent (if determined) for each first span Intergranular Attack (IGA) indication, and as assessment of growth for indications in the first span of OTSG B, and
11. Number of as-found and as-left tubes with tube end crack (TEC) indications, number of as-found and as-left TEC indications, the number of as-found and as-left TEC indications as a function of tubesheet radius, the as-found, as-left, probability of detection and new TEC leakage for upper and lower tubesheet indications. The projected accident leakage and an assessment of growth for TEC indications will be provided. An assessment of the adequacy of the predictive methodology in Addendum C to Topical Report BAW-2346P, Revision 0, including assessing the distribution of indications found in each OTSG to ensure the assumption regarding the similarity of the distribution of indications remain consistent from one cycle to the next and that the assumption of a linear increase in leak rate remain valid. Corrective actions in the event that the assessment indicates the assumptions can not be fully supported.

Additionally, FPC is providing an evaluation of primary-to-secondary leakage following a Large Break Loss of Coolant Accident based on the as-found condition of the CR3 steam generators.

This letter establishes no new regulatory commitments.

If you have any questions regarding this submittal, please contact Mr. Dennis Herrin, Acting Supervisor, Licensing and Regulatory Programs at (352) 563-4633.

Sincerely,

 / Berry J. Foster (acting)

Stephen J. Cahill
Engineering Manager

SJC/dar

Attachment: Special Report 08-01: Results of the Once-Through Steam Generator (OTSG) Tube Inservice Inspection Conducted During Refuel Outage 15

xc: NRR Project Manager
Regional Administrator, Region II
Senior Resident Inspector

PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

ATTACHMENT

SPECIAL REPORT 08-01

**RESULTS OF THE
ONCE-THROUGH STEAM GENERATOR (OTSG)
TUBE INSERVICE INSPECTION CONDUCTED
DURING REFUEL OUTAGE 15**

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SPECIAL REPORT 08-01

RESULTS OF THE ONCE-THROUGH STEAM GENERATOR (OTSG) TUBE INSERVICE INSPECTION CONDUCTED DURING REFUEL OUTAGE 15

Introduction

Inservice inspection (ISI) of the Crystal River Unit 3 (CR3) Once-Through Steam Generator (OTSG) tubes was performed during Refuel Outage 15 (15R), November 3 through December 7, 2007. In accordance with Improved Technical Specifications (ITS) Section 5.7.2.c, Reporting Requirements, Progress Energy is submitting Special Report 08-01. A diagram of an OTSG is attached in Figure 9.

ITS Section 5.7.2.c states:

A report shall be submitted within 180 days after the initial entry into MODE 4 following completion of an inspection performed in accordance with the Specification 5.6.2.10, Steam Generator (OTSG) Program. The report shall include:

- 1. The scope of inspections performed on each OTSG,*
- 2. Active degradation mechanisms found,*
- 3. Nondestructive examination techniques utilized for each degradation mechanism,*
- 4. Location, orientation (if linear), and measured sizes (if available) of service induced indications,*
- 5. Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism,*
- 6. Total number and percentage of tubes plugged or repaired to date,*
- 7. The results of condition monitoring, including the results of tube pulls and in-situ testing,*
- 8. The effective plugging percentage for all plugging and tube repairs in each OTSG,*
- 9. Repair method utilized and the number of tubes repaired by each repair method,*
- 10. Location, bobbin coil amplitude, and axial and circumferential extent (if determined) for each first span IGA indication, and as assessment of growth for indications in the first span of OTSG B, and*
- 11. Number of as-found and as-left tubes with TEC indications, number of as-found and as-left TEC indications, the number of as-found and as-left TEC indications as a function of tubesheet radius, the as-found, as-left, probability of detection and new TEC leakage for upper and lower tubesheet indications. The projected accident leakage and an assessment of growth for TEC indications will be provided. An assessment of the adequacy of the predictive methodology in Addendum C to Topical Report BAW-2346P, Revision 0, including assessing the distribution of indications found in each OTSG to ensure the assumption regarding the similarity of the distribution of indications remain consistent from one cycle to the next and that the assumption of a linear increase in leak rate remain valid. Corrective actions in the event that the assessment indicates the assumptions can not be fully supported.*

Additionally, CR3 is providing the primary-to-secondary leakage following a Large Break Loss of Coolant Accident (LBLOCA) evaluation.

Demonstrate that the primary-to-secondary leakage following a LBLOCA, as described in Appendix A to Topical Report BAW-2374, Revision 1 is acceptable based on the as-found condition of the steam generators.

The following information is presented to satisfy ITS Section 5.7.2.c requirements:

1. The scope of inspections performed on each OTSG

The bobbin coil was used to examine the following specific areas:

- 100% of the tubes in service from the secondary-side face of the upper tubesheet (UTS) to the secondary-side face of the lower tubesheet (LTS) in both OTSGs (15,021 tubes in OTSG-A, 14,513 in OTSG-B), excluding the UTS sleeved tubes (159 sleeves in OTSG-A and 156 in OTSG-B) which were examined from the LTS to the lower sleeve end.
- 80% of the tubes in service in the LTS (LTS to lower tube end [LTE]) of OTSG-A.
- 34% of the sleeves in both OTSGs.
- 100% of the tubes (indications) in OTSG-B identified with first span Intergranular Attack (IGA). (Note that these types of indications do not apply to OTSG-A.)
- 100% of the new reroll repairs.

Indications identified using the bobbin coil were further characterized using motorized rotating pancake coil (MRPC, containing 0.115" pancake coil and a +Point[™] coil). MRPC is qualified to detect the known and potential degradation mechanisms, primary water stress corrosion cracking (PWSCC), IGA, and outside diameter stress corrosion cracking (ODSCC) in the tubesheet regions and sleeved tubes.

MRPC was used to examine the following specific areas:

- 100% UTS from the upper tube end (UTE) to the secondary-side face (UTE/UTS).
- 100% lower tubesheet from the LTE to the secondary-side face in OTSG-B (LTE/LTS).
- 20% lower tubesheet from the tube end to the secondary-side face (LTE/LTS) in OTSG-A.
- 100% LTE region (LTE plus three inches) in OTSG-A.
- 20% LTS sludge pile in the kidney region.
- 34% tubes in the lane and wedge region (UTS and fifteenth Support Plate).
- 34% sleeved tubes (roll regions UTE and fifteenth Support Plate).
- 100% previously identified dents above 12S tube support plate (TSP).
- 100% new dents in any region of the OTSG.
- 20% of dents > 5 volts below 12S TSP.
- 100% of Alloy 600 rolled plugs.
- Further characterization of indications identified by the bobbin coil exam (Special Interest).
- 100% of the tubes (indications) in OTSG-B identified with first span IGA.
- 100% of the new reroll repairs.

2. Active degradation mechanisms found

The inspection in the 15R outage identified the following forms of active or existing steam generator tubing degradation mechanisms:

- Upper bundle axial ODSCC/IGA
- Axial ODSCC/IGA in the UTS Crevice
- Axial and circumferential PWSCC in roll expansion regions
- General volumetric degradation
- Wear at tube support locations
- Volumetric degradation in the first span Alternate Repair Criteria (ARC) region, OTSG-B
- Tube end cracks (TECs) confined exclusively to the depth of the tubesheet clad

3. Nondestructive examination techniques utilized for each degradation mechanism

CR3 15R Eddy Current Techniques for each Degradation Mechanism

| Site Technique | | Industry Qualification | Damage Mechanism | Demonstrated Applicability | Extended Applicability |
|----------------|---------|---|------------------|--|--|
| 1 | Bobbin | Areva Document 77-5011531-00 | Wear | Broach TSP | Drill TSP, Possible Loose Parts (PLP) Wear, Tube-To-Tube Wear |
| 2 | Bobbin | Examination Technical Specification Sheet (ETSS) 96009.1, Rev. 7 | IGA | Upper Tubesheet Crevice | Lower Tubesheet Crevice Outside Kidney Region |
| 3 | Bobbin | Areva Documents 51-5000276-00 77-1258722-00 77-5002925-06 | IGA | OTSG-B First Span | None |
| 3 | Bobbin | ETSS 96007.1, Rev. 11 ETSS 96008.1, Rev. 14 Areva Documents 77-1258722-00 77-5002925-06 | Axial ODSCC | Freespan, Broach TSP, Drill TSP, Eggcrate TSP, Sludge Pile | None |
| 4 | Bobbin | ETSS 96002.1, Rev. 11 | Impingement | Broach TSP | None |
| 5 | +Point™ | ETSS 96910.1, Rev. 10 Areva Document 51-5019220-02 | Wear | Broach TSP | Drill TSP, PLP Wear, Tube-To-Tube Wear, General Volumetric Degradation |
| 6 | +Point™ | ETSS 20510.1, Rev. 7 | Circ PWSCC | Expansion Transition | Broach TSP, Drill TSP, Freespan, Sludge Pile, Tubesheet Crevice, Tube Roll, Plug |
| 6 | +Point™ | ETSS 20511.1, Rev. 8 ETSS 96703.1, Rev. 17 | Axial PWSCC | Expansion Transition, Dent | Broach TSP, Drill TSP, Freespan, Sludge Pile, Tubesheet Crevice, Tube Roll, Plug |

| Site Technique | | Industry Qualification | Damage Mechanism | Demonstrated Applicability | Extended Applicability |
|----------------|----------------|--|--|--|--|
| 7 | +Point™ | ETSS 21410.1, Rev. 6 ETSS 22842.3, Rev. 5 | Circ ODSCC | Expansion Transition, Dent | Broach TSP, Drill TSP, Freespan, Sludge Pile, Tubesheet Crevice, Tube Roll |
| 7 | +Point™ | ETSS 21409.1, Rev. 5 ETSS 22401.1, Rev. 4 | Axial ODSCC | Broach TSP, Drill TSP, Freespan, Sludge Pile, Tubesheet Crevice, Dent | Tube Roll |
| 8 | Sleeve +Point™ | ETSS 96912.1, Rev. 11 ETSS 96912.2, Rev. 11 | Axial and Circ ODSCC | Sleeve/Parent Tubing | None |
| 9 | Sleeve Bobbin | Same as Tube Bobbin | Various | Same as Tube Bobbin | None |
| 10 | X-Probe | ETSS 20400, Rev. 5 ETSS 20402, Rev. 5 ETSS 20403, Rev. 5 ETSS 20500, Rev. 4 ETSS 20501, Rev. 4 ETSS 20502, Rev. 4 ETSS 24998.1, Rev. 1 | Axial and Circ ODSCC, Axial and Circ PWSCC, TSP Wear | Expansion Transitions, Support Structures, Freespan, Dented Support Structures | Tubesheet Crevice, Sludge Pile (77-5013521-00) |

4. Location, orientation (if linear), and measured sizes (if available) of service induced indications

The eddy current sizing techniques used during the 15R inspection are qualified to determine wear percent through-wall degradation (TWD) at TSPs and at OTSG-B first span IGA indications. A complete list of inspection results for in-service tubes with wear indications 1% to 39% through-wall in OTSG-A and OTSG-B is provided in Appendix 1 of this Attachment. No tubes were found with $\geq 40\%$ through-wall degradation at any TSP location. Additionally, a complete listing of tubes with first span IGA indications in OTSG-B is provided in Appendix 2. No IGA tubes were found with $\geq 40\%$ through-wall indications.

The remaining service-induced indications include the repairable “I-Code” indications. This includes codes for single axial indication (SAI), single circumferential indication (SCI), single volumetric indication (SVI), multiple axial indication (MAI), multiple circumferential indication (MCI), and multiple volumetric indication (MVI). Appendix 3 lists the tubes with service induced indications that were plugged during 15R. Appendix 4 lists the tubes with service induced indications that were reroll repaired during 15R. Both Appendix 3 and Appendix 4 identify the type of indication and, therefore, the orientation of the indication. For example, a SCI code would mean that the indication was circumferentially orientated and a SAI code means it is axially orientated. The measured sizes used for the condition monitoring assessment (length in the axial or circumferential direction and percent through-wall) are also given.

5. Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism

No new tubes were sleeved during the 15R outage. The number of tubes plugged or repaired (rerolled) during the 15R outage for each active degradation mechanism is presented below:

Tubes Plugged by Degradation Mechanism

| Damage Mechanism | Number of Tubes Plugged | |
|--|-------------------------|------------|
| | OTSG-A | OTSG-B |
| Upper Bundle Axial ODSCC/IGA | 22 | 31 |
| Axial ODSCC/IGA in the Upper Tubesheet Crevice | 0 | 3 |
| Axial and Circumferential PWSCC In Roll Expansion Regions | 3 | 20 |
| General Volumetric Degradation | 7 | 3 |
| Wear at Tube Support Locations | 0 | 0 |
| Volumetric Degradation in the First Span ARC Region, B Steam Generator | 0 | 0 |
| TECs confined exclusively to the depth of the tubesheet clad | 71 | 9 |
| Total Tubes Plugged for Service Induced Degradation | 103 | 66* |

* The number of unique tubes plugged is actually 65 because one tube was plugged for an indication in both the upper bundle and in the upper tubesheet crevice region.

Tubes Repair Rolled by Degradation Mechanism

| Damage Mechanism | Number of Tubes Rerolled | |
|---|--------------------------|-------------|
| | OTSG-A | OTSG-B |
| Upper Bundle Axial ODSCC/IGA | 0 | 0 |
| Axial ODSCC/IGA in the Upper Tubesheet Crevice | 0 | 1 |
| Axial and Circumferential PWSCC In Roll Expansion Regions | 15 | 18 |
| General Volumetric Degradation | 1 | 2 |
| Wear at Tube Support Locations | 0 | 0 |
| Volumetric Degradation in the First Span ARC Region, B Steam Generator | 0 | 0 |
| TECs confined exclusively to the depth of the tubesheet clad (Not including Axial TECs (SAA and MAA)) | 14 | 118 |
| Total Tubes Rerolled for Service Induced Degradation | 30 | 139* |

* The number of unique tubes rerolled is actually 138 because one tube was repaired by reroll for an indication in both the upper tubesheet crevice region and the tube end clad region.

Tubes identified with unacceptable indications were plugged with Alloy 690 plugs roll-expanded into both ends of the tube. Tubes were stabilized, as needed, based on the latest Areva stabilization criteria.

6. Total number and percentage of tubes plugged or repaired to date

At the conclusion of the 15R outage, the following total number and percentage of plugs and in-service repairs (sleeves and rerolls) are installed in each steam generator. Each percentage number is based on 15,531 tubes per steam generator for plugs and sleeves. The reroll percentage is based on each tube end with 15,531 tubes.

| Number of Plugs or Repairs | OTSG-A Percent of Total Tubes | Number of Plugs or Repairs | OTSG-B Percent of Total Tubes |
|----------------------------------|-------------------------------------|----------------------------------|-------------------------------------|
| Plugs = 455 | 2.9% | Plugs = 928 | 6.0% |
| In-Service Sleeves = 159 | 1.0% | In-Service Sleeves = 156 | 1.0% |
| In-Service Upper Rerolls = 1,100 | 7.1% | In-Service Upper Rerolls = 2,057 | 13.2% |

| | | | |
|--------------------------------|------|-------------------------------|------|
| In-Service Lower Rerolls = 125 | 0.8% | In-Service Lower Rerolls = 13 | 0.1% |
|--------------------------------|------|-------------------------------|------|

7. The results of condition monitoring, including the results of tube pulls and in-situ testing

During the 15R (2007) outage, a condition monitoring assessment was performed to verify that the OTSG as-found structural and leakage integrity performance criteria requirements were demonstrated for the previous operating cycle.

The results of the primary-to-secondary induced total leakage calculation were determined to be acceptable. The condition monitoring leakage was 0.410 gallons per minutes (gpm) for OTSG-B and 0.393 gpm for OTSG-B. This is compared to an allowable accident-induced leakage limit of 0.699 gpm.

All tubing inspections were evaluated by eddy current testing methods and the results were analyzed. All indications, except for three indications of degradation, passed the analytical evaluation for structural integrity. The three indications that did not pass the initial screening for integrity (burst) were later verified to be acceptable based on in-situ testing at worst case pressures. No tubes were pulled during the 15R outage.

The results of the in-situ pressure tests follow. Note - The test pressures were increased to include corrections for the temperature conditions of the test and the potential inaccuracy of the pressure test gauge.

- 1.) Tube 5-36 in OTSG-A was in-situ pressure tested due to freespan axial indications below the fifteenth TSP.

Indication Details

| Indication | Volts | Max % Through-Wall (TW) | Length |
|-----------------|-------|-------------------------|--------|
| SAI @ 15S-1.04" | 0.23 | 21 | 0.33" |
| MAI @ 15S-4.92" | 0.55 | 1 | 5.05 |

OTGS-A Tube/Defect/Location 5-36
SAI @ 15S – 1.04
MAI @ 15S – 4.92

| Pressure Hold Target Points (pounds per square inch [psi]) | Pressure Obtained (psi) | Hold Time (minutes) | Maximum Leak Rate (gpm) | Average Pressurization Rate (psi/sec) |
|--|-------------------------|---------------------|-------------------------|---------------------------------------|
| Normal Operating Differential Pressure (NODP) = 1500 | 1500 | 2 | 0 | 26 |
| Main Steamline Break (MSLB) = 2950 | 3000 | 2 | 0 | 56 |
| MSLB + 500 = 3450 | 3500 | 2 | 0 | 25 |
| MSLB + 1000 = 3950 | 4000 | 2 | 0 | 17 |
| 3 X NODP = 4300 | 4300 | 2 | 0 | 19 |

Post In-Situ Results

| Indication | Volts | Max % TW | Length |
|-----------------|-------|----------|--------|
| SAI @ 15S-1.04" | 0.44 | 46 | 0.34" |
| MAI @ 15S-3.86" | 1.16 | 20 | 4.93" |

The in-situ test was performed on the full length of the tube and in accordance with the Electric Power Research Institute (EPRI) In-Situ Pressure Test Guidelines. The testing demonstrated that the CR3 limiting condition of 3 x NODP minimum burst strength limit was met as well as the accident-induced leakage integrity. The tube was plugged and stabilized after the test.

- 2.) Tube 51-124 in OTSG-B was in-situ pressure tested due to freespan axial indications below the fifteenth TSP.

Indication Details

| Indication | Volts | Max % TW | Length |
|-----------------|-------|----------|--------|
| MAI @ 15S-1.38" | 0.97 | 28 | 1.50" |

OTGS-B Tube/Defect/Location 51-124
MAI @ 15S – 1.38

| Pressure Hold Target Points (psi) | Pressure Obtained (psi) | Hold Time (minutes) | Maximum Leak Rate (gpm) | Average Pressurization Rate (psi/sec) |
|-----------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|
| NODP = 1500 | 1500 | 2 | 0 | 32 |
| MSLB = 2950 | 2950 | 2 | 0 | 40 |
| MSLB + 500 = 3450 | 3450 | 2 | 0 | 17 |
| MSLB + 1000 = 3950 | 3950 | 2 | 0 | 13 |
| 3 x NODP = 4300 | 4300 | 2 | 0 | 11 |

Post In-Situ Results

| Indication | Volts | Max % TW | Length |
|------------------|-------|----------|--------|
| MAI @ 14S+33.65" | 2.5 | 84 | 1.57" |

The in-situ test was performed on the full length of the tube and in accordance with the EPRI In-Situ Pressure Test Guidelines. The testing demonstrated that the CR3 limiting condition of 3 x NODP minimum burst strength limit was met as well as the accident-induced leakage integrity. The tube was plugged and stabilized after the test.

- 3.) Tube 140-68 in OTSG-B was in-situ pressure tested due to a single freespan axial indication below the tenth TSP.

Indication Details

| Indication | Volts | Max % TW | Length |
|-----------------|-------|----------|--------|
| SAI @ 10S-3.04" | 0.73 | 25 | 2.39" |

OTGS-B Tube/Defect/Location 140-88 SAI @ 10S – 3.04

| Pressure Hold Target Points (psi) | Pressure Obtained (psi) | Hold Time (minutes) | Maximum Leak Rate (gpm) | Average Pressurization Rate (psi/sec) |
|-----------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|
| NODP = 1500 | 1500 | 2 | 0 | 37 |
| MSLB = 2950 | 2950 | 2 | 0 | 43 |
| MSLB + 500 = 3450 | 3450 | 2 | 0 | 50 |
| MSLB + 1000 = 3950 | 3950 | 2 | 0 | 26 |
| 3 x NODP = 4300 | 4300 | 2 | 0 | 12 |

Post In-Situ Results

| Indication | Volts | Max % TW | Length |
|------------------|-------|----------|--------|
| SAI @ 09S+36.48" | 0.91 | 53 | 2.34" |

The in-situ test was performed on the full length of the tube and in accordance with the EPRI In-Situ Pressure Test Guidelines. The testing demonstrated that the CR3 limiting condition of 3 x NODP minimum burst strength limit was met as well as the accident-induced leakage integrity. The tube was plugged and stabilized after the test.

8. The effective plugging percentage for all plugging and tube repairs in each OTSG

Effective plugging, to date, includes the effect of in-service sleeves in addition to the number of tubes plugged in the steam generator.

| OTSG | Number of Installed Sleeves | Equivalent Plugs (From Sleeves) | Total Plugs | Effective Tube Plugging |
|------|-----------------------------|---------------------------------|-------------|-------------------------|
| A | 159 | 23.7 | 455 | 3.1% |
| B | 156 | 23.3 | 928 | 6.1% |

9. Repair method utilized and the number of tubes repaired by each repair method

The only approved CR3 steam generator tube repair methods are sleeving and rerolls. The number and type of repairs performed during the 15R outage are given below:

| 15R Repair Type | OTSG-A | OTSG-B |
|-----------------------|--------|--------|
| Sleeving | 0 | 0 |
| Upper Tube End Reroll | 293 | 703 |
| Lower Tube End Reroll | 0 | 0 |

10. Location, bobbin coil amplitude, and axial and circumferential extent (if determined) for each first span IGA indication, and an assessment of growth for indications in the first span of OTSG B

First span IGA is a degradation mechanism specific to OTSG-B, as identified in ITS 5.6.2.10.c.1. Following the 2005 (14R) inspection, 164 tubes with first span IGA were returned to service. As a result of the 2007 (15R) inspection, no new IGA indications were detected, nor were any first span IGA tubes plugged for any plugging criteria. Therefore, the same 164 tubes (316 indications) in OTSG-B were returned to service with first span IGA indications. Appendix 2 contains the list of tubes in OTSG-B with first span IGA. The list identifies the location, bobbin coil amplitude (volts), and change in through-wall percentage from 1997, or earliest detected indication, to 2007.

The axial and circumferential extents were not determined for every first span IGA indication, but they were determined for any indication that was new (none detected in 2007) or showed a 5% or greater change (increase) in through-wall dimension from the 1997 or earliest detected indication to the 2007 inspection. The table below provides the required information.

15R First Span IGA Indications with $\geq 5\%$ Through-Wall Increase

| Row | Col | TW % | Location above LTS | Volts | Circ. Extent (Inch) | Ax. Extent (Inch) |
|-----|-----|------|--------------------|-------|---------------------|-------------------|
| 42 | 34 | 30 | 8.71" | 0.20 | 0.24 | 0.30 |
| 42 | 47 | 31 | 10.98" | 0.14 | 0.12 | 0.11 |
| 49 | 56 | 23 | 6.18" | 0.13 | 0.19 | 0.19 |
| 56 | 53 | 26 | 14.43" | 0.16 | 0.21 | 0.16 |
| 57 | 89 | 30 | 7.10" | 0.12 | 0.14 | 0.16 |
| 61 | 27 | 36 | 9.82" | 0.24 | 0.28 | 0.22 |
| 65 | 37 | 20 | 6.82" | 0.09 | 0.18 | 0.14 |
| 66 | 34 | 29 | 12.58" | 0.14 | 0.14 | 0.17 |
| 69 | 42 | 33 | 13.87" | 0.26 | 0.18 | 0.24 |
| 70 | 38 | 30 | 13.94" | 0.24 | 0.20 | 0.16 |
| 83 | 100 | 22 | 5.96" | 0.10 | 0.20 | 0.17 |
| 83 | 100 | 29 | 10.9" | 0.28 | 0.16 | 0.16 |
| 84 | 98 | 21 | 10.18" | 0.13 | 0.16 | 0.16 |
| 89 | 89 | 30 | 8.40" | 0.24 | 0.16 | 0.16 |
| 95 | 47 | 29 | 10.34" | 0.55 | 0.21 | 0.19 |
| 100 | 66 | 30 | 9.98" | 0.10 | 0.16 | 0.17 |
| 101 | 47 | 28 | 15.28" | 0.14 | 0.16 | 0.14 |
| 103 | 37 | 26 | 23.93" | 0.12 | 0.16 | 0.19 |
| 106 | 74 | 20 | 14.08" | 0.07 | 0.16 | 0.16 |

| Row | Col | TW % | Location above LTS | Volts | Circ. Extent (Inch) | Ax. Extent (Inch) |
|-----|-----|------|--------------------|-------|---------------------|-------------------|
| 107 | 66 | 26 | 6.64" | 0.11 | 0.16 | 0.14 |
| 110 | 40 | 28 | 12.95" | 0.34 | 0.21 | 0.19 |
| 114 | 43 | 31 | 7.43 | 0.25 | 0.16 | 0.14 |

CR3 is also providing additional information regarding the axial distribution, percent TW distribution, and percent TW growth distribution of first span IGA in OTSG-B in Appendix 5. The Appendix 5 “% TW Growth Distribution” graph is based on the difference between the oldest indications (typically 1997) and the most recent (2007).

The average growth of the first span IGA indications is essentially zero. The data shows that some indications appeared to decrease and some increased in depth which is similar to trends in previous outages. An additional review of all the indications that have increased by $\geq 5\%$ TW since the first readings (1997) were performed. The largest increase from that population was an increase of only 2% TW during the last operating cycle since the 2005 (14R) outage. Therefore, the data continues to support the conclusion that the growth of first span IGA indications is essentially stagnant.

Additionally, there were no first span IGA tubes that exhibited a morphology change to crack-like indications.

11. Number of as-found and as-left tubes with TEC indications, number of as-found and as-left TEC indications, the number of as-found and as-left TEC indications as a function of tubesheet radius, the as-found, as-left, probability of detection and new TEC leakage for upper and lower tubesheet indications. The projected accident leakage and an assessment of growth for TEC indications will be provided. An assessment of the adequacy of the predictive methodology in Addendum C to Topical Report BAW-2346P, Revision 0, including assessing the distribution of indications found in each OTSG to ensure the assumption regarding the similarity of the distribution of indications remain consistent from one cycle to the next and that the assumption of a linear increase in leak rate remain valid. Corrective actions in the event that the assessment indicates the assumptions can not be fully supported.

- ***Number of as-found and as-left tubes with TEC indications, number of as-found and as-left TEC indications:***

Summary of TEC ARC Tubes/Indications for SG-A

| 15R Outage | As-Found | | As-Left | |
|----------------|-----------------------|-----------------------------|---------------------------------|---------------------------------------|
| | Number of Tubes Found | Number of Indications Found | Number of Tubes Left in Service | Number of Indications Left in Service |
| Upper Tube End | 1734 | 2441 | 1460 | 1848 |
| Lower Tube End | 11 | 16 | 9 | 13 |
| Totals | 1745 | 2457 | 1469 | 1861 |

Summary of TEC ARC Tubes/Indications for SG-B

| 15R Outage | As-Found | | As-Left | |
|----------------|-----------------------|-----------------------------|---------------------------------|---------------------------------------|
| | Number of Tubes Found | Number of Indications Found | Number of Tubes Left in Service | Number of Indications Left in Service |
| Upper Tube End | 1056 | 1450 | 471 | 526 |
| Lower Tube End | 180 | 199 | 178 | 197 |
| Totals | *1236/1157 | 1649 | *649/634 | 723 |

*There were 79 as-found and 15 as-left tubes that were duplicates between the upper and lower TEC tubes for 15R, resulting in 1157 distinct tubes found and 634 distinct tubes left in service.

- *The number of as-found and as-left TEC indications as a function of tubesheet radius:*

The number of as-found and as-left TEC indications is plotted in Figures 1 through 4. The applicable indications are grouped into radial zones that represent the same zones used for the upper tubesheet region from the original TEC ARC in License Amendment Number 188 and Addendum A. These zones are no longer used to group indications for leakage determination because CR3 is currently implementing License Amendment Number No. 222. The current method allows the use of a probabilistic methodology and a separate radius for each tube/indication. However, the indications are presented this way because the zones represent areas of similar TEC leakage rates and can also be used for trending. The zones and associated radius used for each graph are identified below:

Zone Definition for CR3 TEC Indications

| Zone Designation | Radius (inch) |
|------------------|---------------|
| Zone 1 | >3, ≤ 39 |
| Zone 2 | >39, ≤ 49 |
| Zone 3 | >49, ≤ 53 |
| Zone 4 | >53, ≤ 55 |
| Zone 5 | >55, ≤ 56 |
| Zone 6 | >56 |

Figure 1
Zone Distribution for OTSG-A Upper TEC Indications
(Zones not used for leakage calculations)

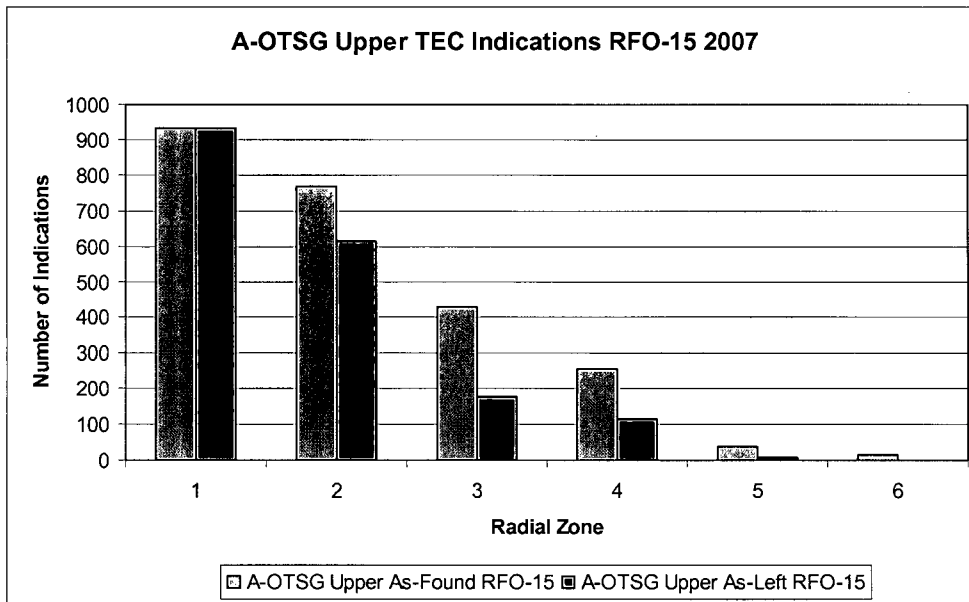


Figure 2
Zone Distribution for OTSG-A Lower TEC Indications
(Zones not used for leakage calculations)

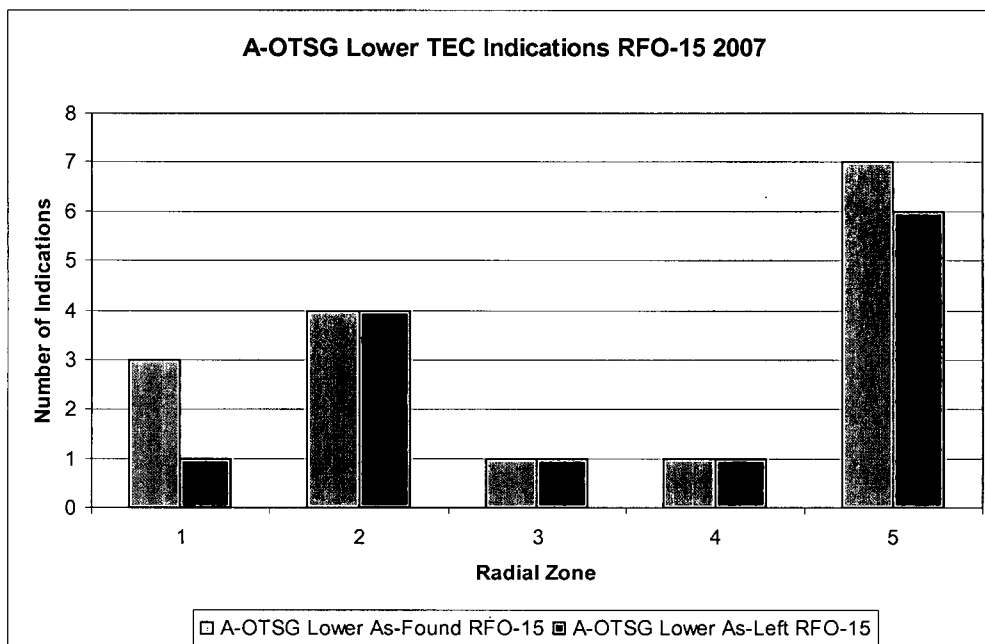


Figure 3
Zone Distribution for OTSG-B Upper TEC Indications
(Zones not used for leakage calculations)

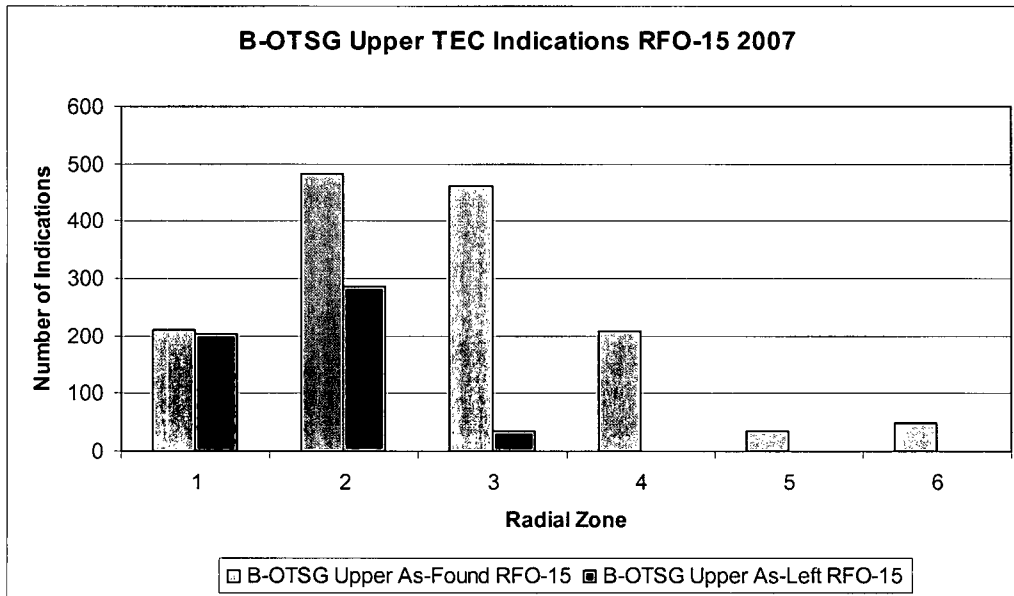
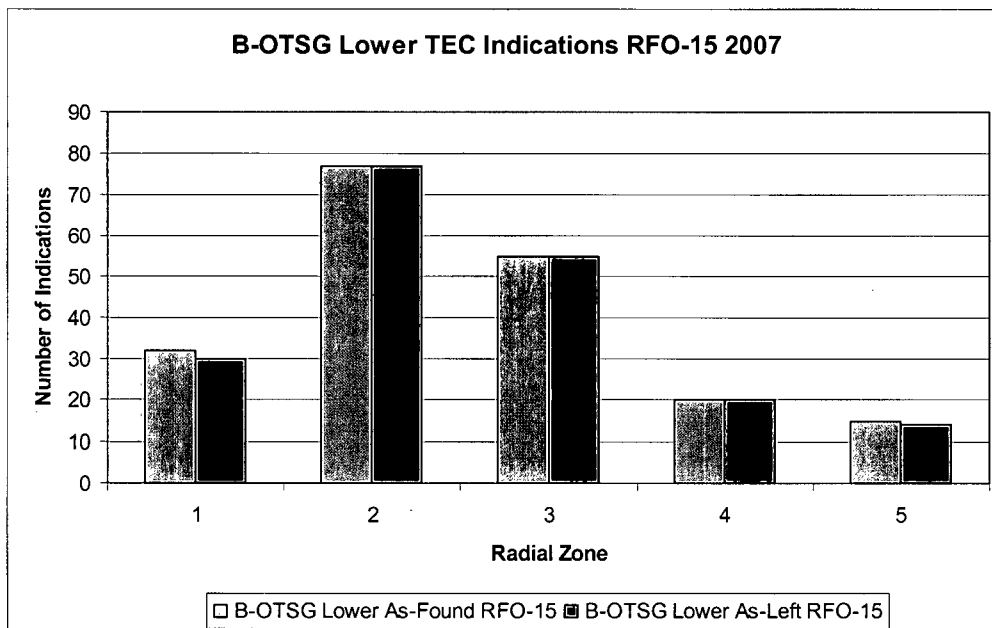


Figure 4
Zone Distribution for OTSG-B Lower TEC Indications
(Zones not used for leakage calculations)



- *The as-found, as-left, probability of detection and new TEC leakage for upper and lower tubesheet indications:*

Summary of TEC ARC Leakage for SG-A

| 15R Outage | As-Found Leakage (gpm) | As-Left Leakage (gpm) | Probability of Dection (POD) Leakage (gpm) | New Leakage (gpm) | Trend Leakage (gpm) |
|-------------------|------------------------|-----------------------|--|-------------------|---------------------|
| Upper Tube End | 0.282 | 0.165 | 0.054 | 0.094 | 0.000 |
| Lower Tube End | 0.020 | 0.019 | 0.004 | 0.010 | 0.007 |
| Totals | 0.302 | 0.184 | 0.058 | 0.104 | 0.007 |
| Projected for 16R | | 0.353 gpm | | | |

Summary of TEC ARC Leakage for SG-B

| 15R Outage | As-Found Leakage (gpm) | As-Left Leakage (gpm) | POD Leakage (gpm) | New Leakage (gpm) | Trend Leakage (gpm) |
|-------------------|------------------------|-----------------------|-------------------|-------------------|---------------------|
| Upper Tube End | 0.265 | 0.047 | 0.050 | 0.120 | 0.075 |
| Lower Tube End | 0.062 | 0.059 | 0.012 | 0.011 | 0.000 |
| Totals | 0.327 | 0.106 | 0.062 | 0.131 | 0.075 |
| Projected for 16R | | 0.374 gpm | | | |

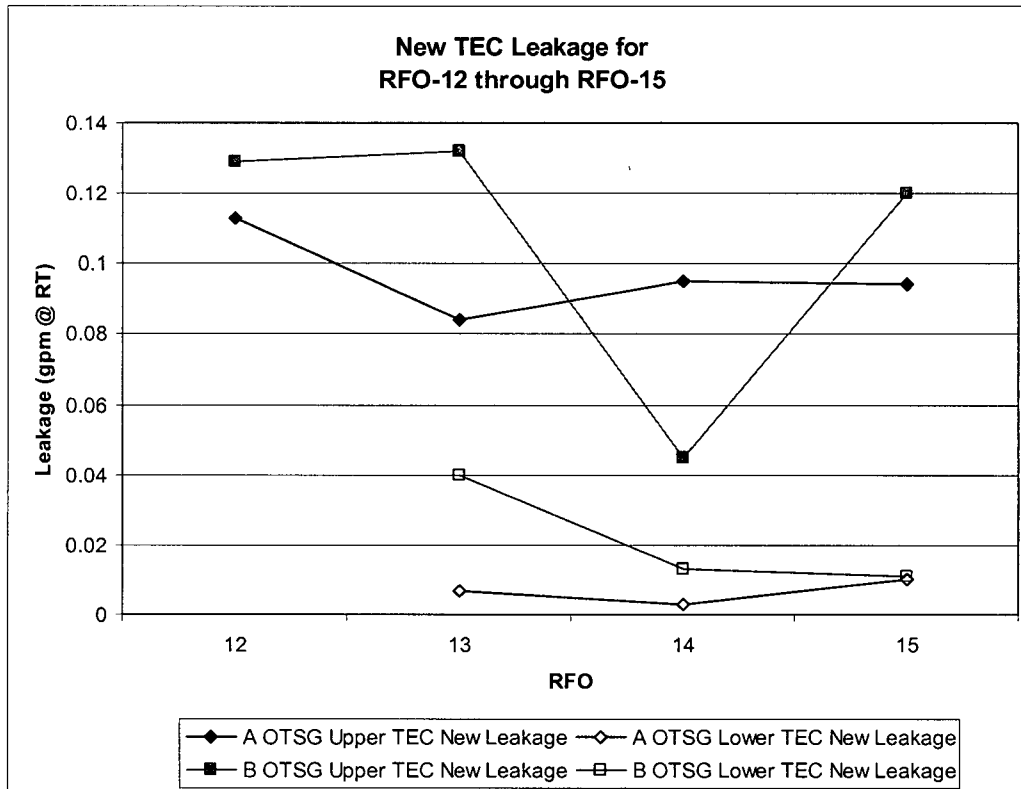
- *An assessment of the adequacy of the predictive methodology in Addendum C to Topical Report BAW-2346P, Revision 0, including assessing the distribution of indications found in each OTSG to ensure the assumption of indications remain consistent from one cycle to the next and that the assumption of a linear increase in leak rate remain valid. Corrective actions in the event that the assessment indicates the assumptions can not be fully supported:*

The predictive methodology from Addendum C to BAW-2346P provides a way to conservatively predict the total amount of TEC assigned leakage at the end of the next operating cycle. The methodology is based on combining the leakage from the following sources:

1. Leakage from detected indications that are left in service (As-left TEC leakage)
2. Leakage from indications that may not have been detected (POD leakage)
3. Leakage increase as a result of the difference between the as-left leakage from the previous outage and the as-found leakage in the current outage (New leakage)
4. Any leakage increase as a result of an increase in the rate of new leakage (Trend leakage)

The inputs to the projected TEC leakage are based on the assumption that the TEC leakage rates will remain relatively consistent or will be increased if an increasing rate is observed. This is based on data from previous outages and a limited number of equivalent data points. When the latest TEC leakage information from 15R (2007) is compared to the previous information, overall similar leakage rates are observed.

There was no unexpected increase in the number of “new” TEC indication leakage for OTSG-A, but there was an increase for OTSG-B. For example, from 14R (2005) to 15R (2007) the new TEC leakage for OTSG-A increased only slightly from 0.098 gpm in 2005 to 0.104 gpm in 2007. For the same time period, the new TEC leakage for OTSG-B increased from 0.058 gpm to 0.131 gpm. However, the long term trend (below) shows that a more normal “new” leakage for OTSG-B has resumed.



As the figure shows, the “new” leakage has been fairly consistent except for the reduced leakage for OTSG-B in 14R. The “new” OTSG-B leakage for 15R is back to where previous outages have been.

An assessment of the predicted TEC leakage from 14R was performed and compared to the actual 15R TEC leakage. The 14R projected TEC leakage for OTSG-A was 0.351 gpm compared to an actual as-found of 0.302 gpm showing that the prediction was conservative. The 14R projected TEC leakage for OTSG-B was 0.296 gpm compared to an actual as-found of 0.327 gpm which is 0.031 gpm higher than expected. Note that even though the actual TEC leakage was slightly higher than expected, the overall condition monitoring leakage was still less than the leakage performance criteria. The under-prediction for OTSG-B is most likely due to the low “new” leakage in 14R which was used to predict the 15R TEC leakage. The reason for the low 14R “new” upper TEC leakage is unknown, but the 15R “new” leakage is back up to where it has been historically.

To address the under-prediction of TEC leakage in OTSG-B, a large number of tubes with TEC indications were reroll repaired in the upper tube end to remove the TEC indication and associated leakage from the as-left condition of the OTSG. For example, in the 15R outage there were 263 in-service tubes rerolled in OTSG-A to reduce projected TEC leakage while there were 566 in-service tubes rerolled in OTSG-B to reduce the projected TEC as-left leakage. Even with

the large number of rerolls and low as-left TEC leakage CR3 applied the equation for projected TEC leakage, including the high “trend” leakage to predict a more conservative leakage value for the upcoming 16R outage.

Therefore, the corrective actions for OTSG-B were to perform several hundred additional reroll repairs to remove TEC indications and associated leakage from service. A review of the historical trends shows that the “new” 15R TEC leakage is back where it has been historically and then combined with the very low as-left leakage will ensure the 16R actual leakage is within its expected range. Additionally, it is also verified that there is sufficient margin in the overall operational assessment leakage even if the TEC leakage were to be under-predicted by a similar amount in 16R.

The radial distribution of the as-found number of indications for the 14R (2005) and 15R (2007) eddy current inspections are shown in the following figures. There are graphs for upper and LTE indication in both steam generators. The graphs are again shown using the same upper radial zones as in the original TEC license amendment. For example, Zone 1 is the inner most area of the tubesheet and Zone 6 is the outer most (periphery area) of the tubesheet. The graphs show a similar trend in the radial location of the as-found TEC indications. OTSG-A upper tubesheet has a higher number of indications located towards the center of the tubesheet that generally decreases as the zones (radius) increases. The 15R number of indications is greater than the 14R indications for Zones 1 through 4 because most of those indications remained in service from previous inspections due to their lower postulated leakage value. In 15R, the number of indications in Zones 5 and 6 are small because the TEC’s in these areas are normally repaired (rerolled) first to reduce the overall postulated TEC leakage. OTSG-A lower tubesheet has only a small number of indications and shows little change. The trend in the number of TEC indications in OTSG-B is similar from 14R to 15R for both upper and lower indications, although the indications are more concentrated in Zones 2 and 3 (upper), and Zones 3 and 4 (lower). The number of as-found indications in Zone 6 of OTSG-B was greater than previous and reflects the same trend as seen in the previous graph of “new” leakage. However, even though the indication trend in Zone 6 has increased from 14R it is back to its previous historical trend and is not unexpected. There are very minor differences in the radial distribution of TEC indications from the previous outage to the current outage, but the overall impact of these differences is not significant. As shown in Figure 3 above, corrective actions for OTSG-B included the removal (reroll) of all TEC indications in Zones 4, 5 and 6 along with most indications in Zone 3. This provides a large margin for future leakage. Therefore, the assumptions used for predicting future TEC leakage based on previous cycle experience and the predictive methodology from Licensing Amendment No. 222 are still considered valid.

Figure 5

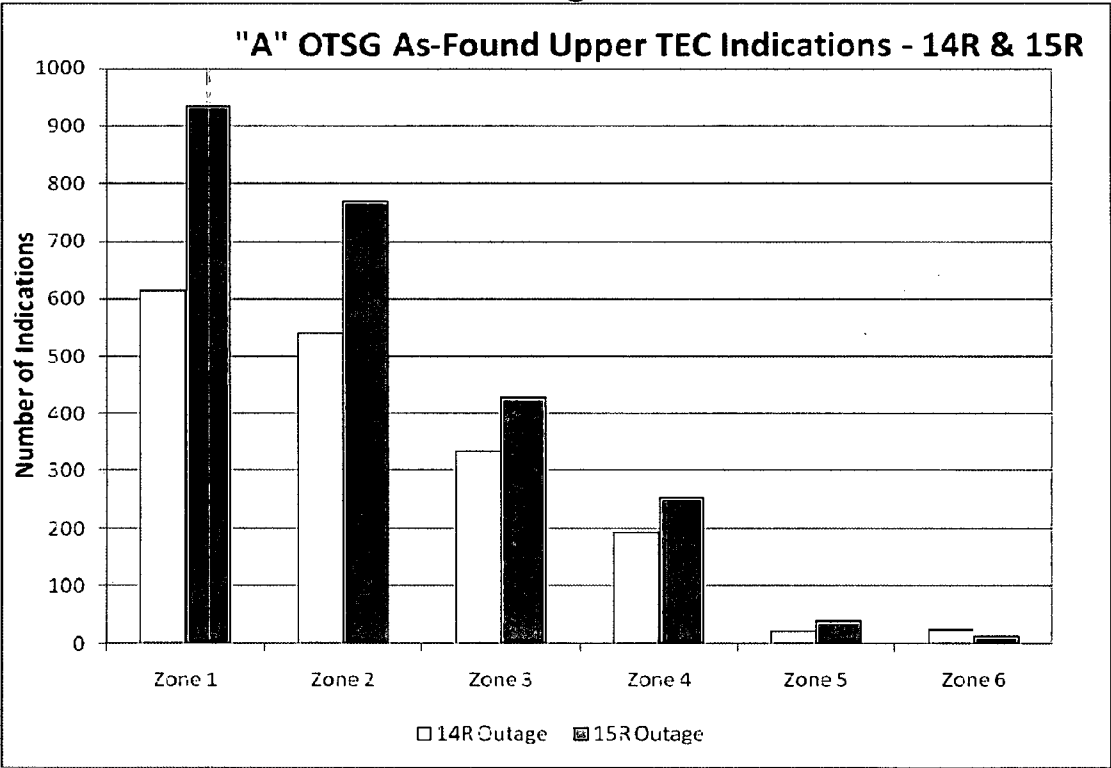


Figure 6

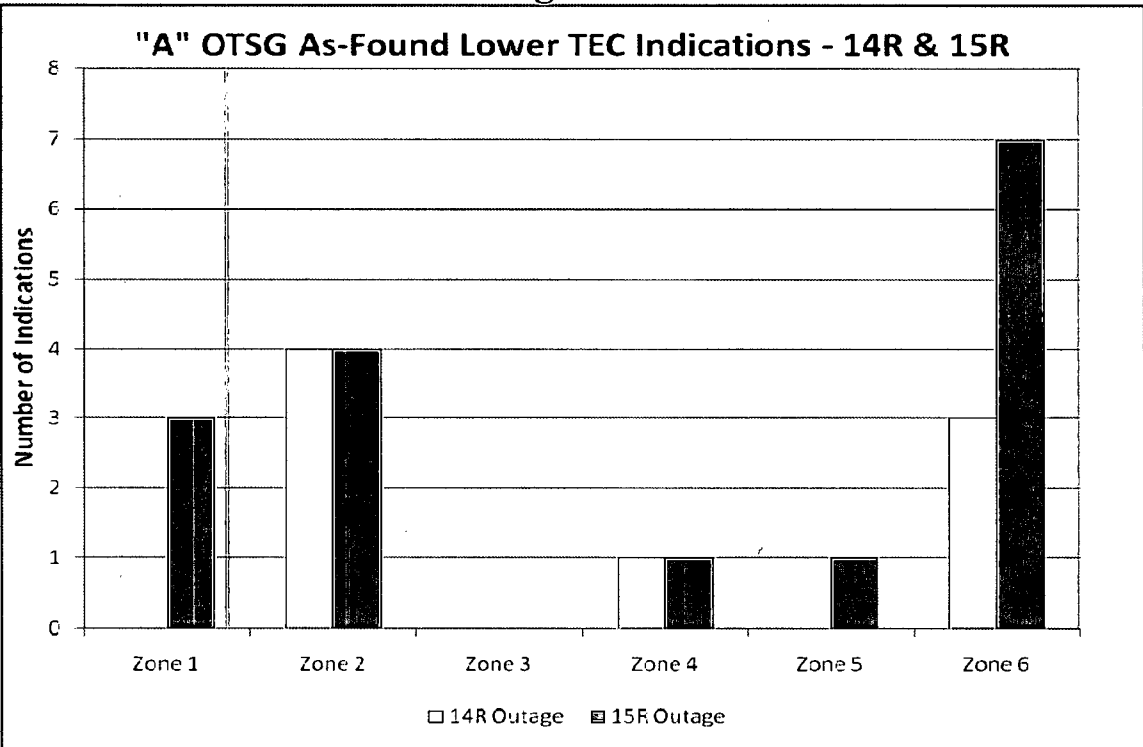


Figure 7

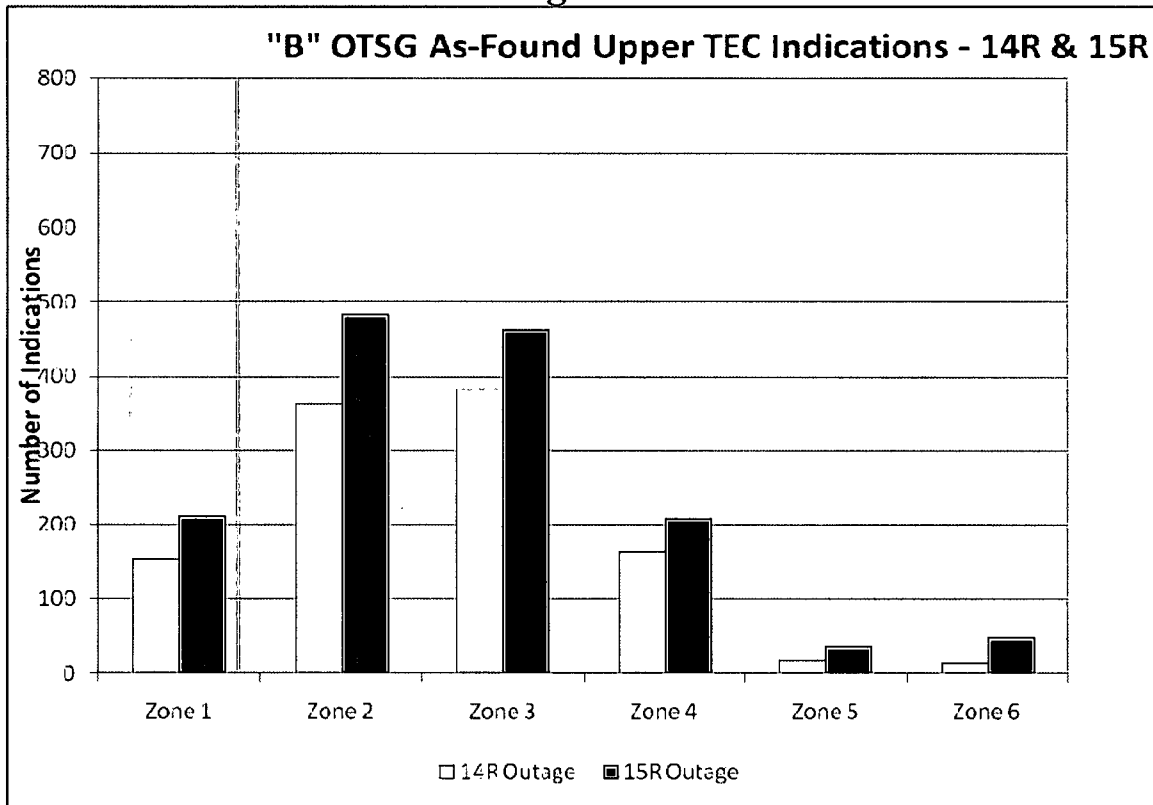
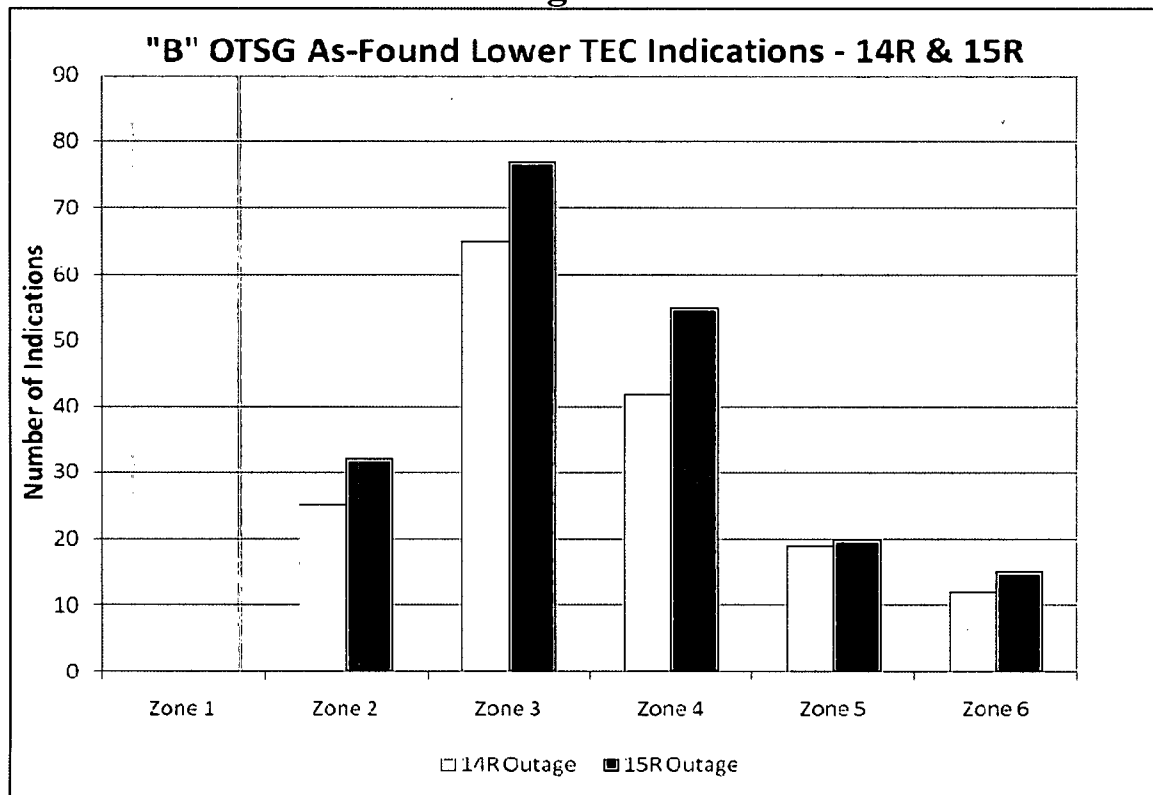


Figure 8



Best-Estimate Leakage Following a LBLOCA

Demonstrate that the primary-to-secondary leakage following a LBLOCA, as described in Appendix A to Topical Report BAW-2374, Revision 1 is acceptable based on the as-found condition of the steam generators.

| OTSG | Mechanism and Region | Number of LB LOCA Leaking Indications | Leakage, gpm |
|------|----------------------|---------------------------------------|--------------|
| A | UTE Circ PWSCC | 33 | 2.09 |
| | LTE Circ PWSCC | 132 | 6.65 |
| | Total | 165 | 8.74 |
| B | UTE Circ PWSCC | 97 | 5.58 |
| | LTE Circ PWSCC | 6 | 0.31 |
| | Total | 103 | 5.89 |

Following the 15R inspection of the Upper and Lower Tubesheet roll region, the best-estimate leakage following a LBLOCA that could occur from as-found circumferential cracking near the tubesheet rolls has been determined to be 8.74 gpm in OTSG-A and 5.89 gpm in OTSG-B. This estimated leakage has been evaluated and would not exceed the offsite dose limits of 10 CFR 100 and 10 CFR 50.67 when compared to existing assumptions in the CR3 Final Safety Analysis Report (FSAR) Chapter 14 Safety Analysis. This is based on a review of the Steam Generator Tube Rupture (SGTR) accident assumptions. The LBLOCA best estimate leakage is less than the FSAR assumptions for SGTR which assumed a flow rate to the secondary side of the affected steam generator to be 435 gpm. The conservative SGTR accident leak rate and assumptions for degraded fuel cladding only result in a 2 hour integrated accident dose at the exclusion area boundary of 0.139 Rem compared to a limit of 2.5 Rem. Therefore, the estimated LBLOCA leakage is bounded by the FSAR evaluation.

15R Inspection - Conclusion

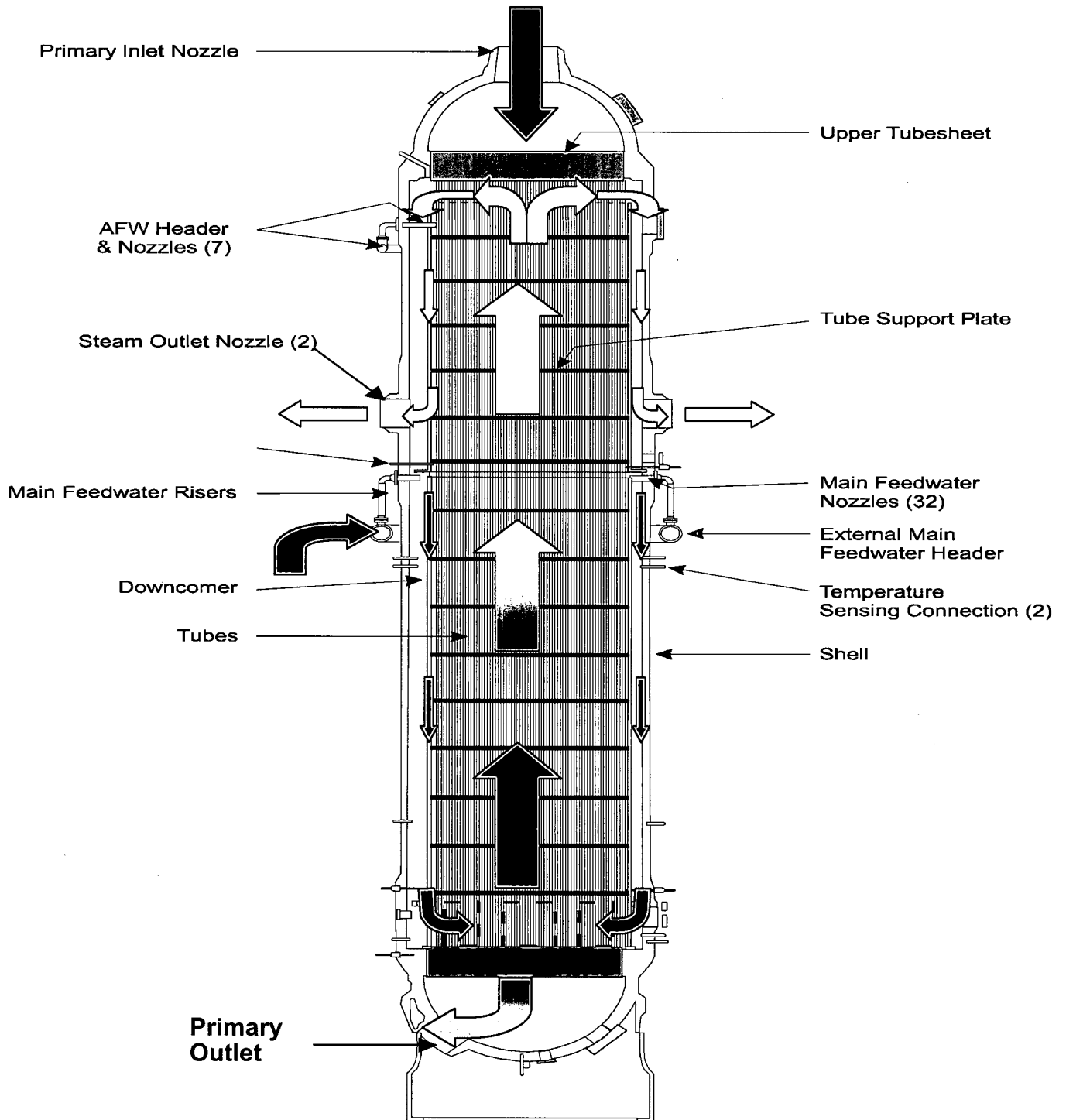
The Operational Assessment (OA) evaluated the degradation mechanisms of the CR3 OTSG tubes. The evaluation concluded that the tubes would maintain structural and leakage integrity with reasonable assurance throughout the current operating cycle. This is based on the inspection results and worst-case Monte Carlo type simulations. Additionally, this was the sixth consecutive 100% bobbin coil and UTS MRPC inspection of the in-service tubes and the third MRPC inspection of the LTS.

Therefore, based on inspection results and the OA of the structural and leakage integrity of the remaining in-service OTSG tubing, the OTSG will meet all EPRI Steam Generator Guideline requirements as well as CR3 Technical Specifications for the next operating cycle.

Future Plans

CR3 currently plans to replace both OTSGs in the Fall of 2009 during the 16R refueling outage. The OTSGs will be manufactured by B&W Canada and will incorporate tubing made from thermally treated Alloy 690 material. These new OTSGs are expected to provide a long term reliability of the tubes by the replacement of the original Alloy 600 stress relieved tubing with the Alloy 690 material.

Figure 9
ONCE-THROUGH STEAM GENERATOR



PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

APPENDIX 1 TO SPECIAL REPORT 08-01

**TUBES LEFT IN-SERVICE WITH
THROUGH-WALL INDICATIONS
1%-39%**

Appendix 1 Location Acronyms

| | |
|-----|--------------------------|
| 01S | First Support Plate |
| 02S | Second Support Plate |
| 03S | Third Support Plate |
| 04S | Fourth Support Plate |
| 05S | Fifth Support Plate |
| 06S | Sixth Support Plate |
| 07S | Seventh Support Plate |
| 08S | Eighth Support Plate |
| 09S | Ninth Support Plate |
| 10S | Tenth Support Plate |
| 11S | Eleventh Support Plate |
| 12S | Twelfth Support Plate |
| 13S | Thirteenth Support Plate |
| 14S | Fourteenth Support Plate |
| 15S | Fifteenth Support Plate |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 1 | 2 | 0.27 | 40 | 6 | 07S +0.76 | 1 |
| A | 1 | 2 | 0.38 | 37 | 8 | 07S -0.83 | 1 |
| A | 1 | 11 | 0.49 | 56 | 12 | 12S +0.64 | 2 |
| A | 1 | 13 | 0.32 | 153 | 8 | 11S +0.67 | 3 |
| A | 2 | 8 | 0.66 | 109 | 12 | 12S +0.64 | 4 |
| A | 2 | 9 | 0.26 | 87 | 6 | 12S +0.60 | 5 |
| A | 4 | 28 | 0.28 | 104 | 7 | 12S +0.69 | 6 |
| A | 4 | 28 | 0.34 | 126 | 8 | 08S +0.69 | 6 |
| A | 5 | 27 | 0.23 | 120 | 6 | 08S -0.78 | 7 |
| A | 5 | 34 | 0.45 | 90 | 10 | 12S +0.62 | 8 |
| A | 5 | 36 | 0.52 | 50 | 11 | 12S +0.67 | 9 |
| A | 5 | 38 | 0.25 | 30 | 6 | 08S +0.67 | 10 |
| A | 5 | 41 | 0.4 | 68 | 10 | 12S +0.67 | 11 |
| A | 6 | 7 | 0.26 | 105 | 6 | 12S +0.74 | 12 |
| A | 6 | 10 | 0.44 | 50 | 9 | 12S +0.67 | 13 |
| A | 6 | 25 | 0.55 | 136 | 13 | 09S +0.60 | 14 |
| A | 6 | 26 | 0.52 | 92 | 11 | 09S +0.62 | 15 |
| A | 6 | 26 | 0.33 | 135 | 8 | 08S +0.74 | 15 |
| A | 6 | 39 | 0.22 | 93 | 6 | 08S +0.65 | 16 |
| A | 6 | 44 | 0.21 | 112 | 5 | 08S +0.65 | 17 |
| A | 6 | 51 | 0.34 | 121 | 9 | 13S +0.62 | 18 |
| A | 7 | 21 | 0.48 | 72 | 10 | 11S +0.72 | 19 |
| A | 7 | 24 | 0.74 | 51 | 13 | 07S -0.81 | 20 |
| A | 7 | 25 | 1 | 50 | 19 | 09S +0.65 | 21 |
| A | 7 | 26 | 1.18 | 62 | 22 | 09S +0.65 | 22 |
| A | 7 | 26 | 0.93 | 63 | 18 | 08S +0.69 | 22 |
| A | 7 | 26 | 0.73 | 98 | 15 | 08S -0.74 | 22 |
| A | 7 | 26 | 0.38 | 62 | 9 | 04S +0.60 | 22 |
| A | 7 | 26 | 0.75 | 28 | 15 | 04S -0.80 | 22 |
| A | 7 | 27 | 0.6 | 73 | 14 | 09S -0.76 | 23 |
| A | 7 | 27 | 0.25 | 70 | 7 | 09S +0.67 | 23 |
| A | 7 | 27 | 0.92 | 75 | 20 | 08S +0.62 | 23 |
| A | 7 | 27 | 0.32 | 58 | 8 | 08S -0.72 | 23 |
| A | 7 | 27 | 0.45 | 135 | 11 | 07S -0.74 | 23 |
| A | 7 | 29 | 0.21 | 123 | 5 | 09S +0.67 | 24 |
| A | 7 | 30 | 0.34 | 143 | 9 | 07S +0.65 | 25 |
| A | 7 | 44 | 0.26 | 141 | 7 | 04S +0.65 | 26 |
| A | 7 | 52 | 0.53 | 46 | 13 | 10S +0.67 | 27 |
| A | 8 | 7 | 0.18 | 111 | 4 | 12S +0.67 | 28 |
| A | 8 | 21 | 0.64 | 73 | 13 | 07S +0.73 | 29 |
| A | 8 | 22 | 0.6 | 76 | 11 | 07S +0.09 | 30 |
| A | 8 | 23 | 0.38 | 68 | 8 | 12S +0.69 | 31 |
| A | 8 | 25 | 0.44 | 47 | 10 | 09S +0.60 | 32 |
| A | 8 | 27 | 0.54 | 89 | 12 | 07S -0.71 | 33 |
| A | 8 | 29 | 0.52 | 83 | 12 | 07S -0.69 | 34 |
| A | 8 | 30 | 0.62 | 55 | 15 | 08S +0.60 | 35 |
| A | 8 | 30 | 0.53 | 168 | 13 | 08S -0.67 | 35 |
| A | 8 | 30 | 0.47 | 65 | 12 | 07S +0.69 | 35 |
| A | 8 | 30 | 0.54 | 75 | 13 | 07S -0.81 | 35 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| A | 8 | 30 | 0.33 | 68 | 9 | 06S +0.30 | 35 |
| A | 8 | 30 | 0.4 | 71 | 10 | 09S +0.69 | 35 |
| A | 8 | 41 | 0.7 | 22 | 15 | 07S +0.67 | 36 |
| A | 8 | 45 | 0.27 | 132 | 6 | 07S +0.69 | 37 |
| A | 8 | 46 | 0.36 | 80 | 9 | 07S +0.65 | 38 |
| A | 8 | 47 | 0.21 | 75 | 5 | 07S +0.62 | 39 |
| A | 8 | 50 | 0.23 | 105 | 6 | 07S +0.62 | 40 |
| A | 8 | 51 | 0.34 | 123 | 8 | 12S +0.65 | 41 |
| A | 8 | 51 | 0.22 | 79 | 5 | 08S +0.67 | 41 |
| A | 9 | 24 | 0.36 | 81 | 7 | 07S +0.72 | 42 |
| A | 9 | 28 | 0.68 | 20 | 13 | 12S +0.66 | 43 |
| A | 9 | 34 | 0.23 | 66 | 6 | 12S +0.65 | 44 |
| A | 9 | 42 | 0.25 | 102 | 6 | 08S +0.65 | 45 |
| A | 9 | 53 | 0.32 | 107 | 8 | 07S +0.65 | 46 |
| A | 9 | 55 | 0.32 | 107 | 8 | 03S +0.71 | 47 |
| A | 9 | 61 | 0.23 | 97 | 7 | 12S +0.66 | 48 |
| A | 10 | 6 | 0.46 | 86 | 11 | 12S +0.67 | 49 |
| A | 10 | 7 | 0.18 | 133 | 4 | 07S -0.76 | 50 |
| A | 10 | 8 | 0.46 | 107 | 10 | 07S -0.76 | 51 |
| A | 10 | 33 | 0.52 | 52 | 12 | 01S +0.07 | 52 |
| A | 10 | 38 | 0.3 | 46 | 8 | 12S +0.67 | 53 |
| A | 10 | 51 | 0.19 | 62 | 4 | 07S +0.62 | 54 |
| A | 10 | 57 | 0.29 | 92 | 7 | 07S +0.65 | 55 |
| A | 10 | 58 | 0.32 | 61 | 8 | 07S +0.60 | 56 |
| A | 11 | 1 | 0.42 | 87 | 10 | 12S +0.72 | 57 |
| A | 11 | 2 | 0.33 | 91 | 8 | 12S +0.69 | 58 |
| A | 11 | 2 | 0.28 | 95 | 7 | 07S +0.76 | 58 |
| A | 11 | 7 | 0.72 | 83 | 15 | 12S +0.67 | 59 |
| A | 11 | 14 | 0.37 | 52 | 7 | 08S +0.71 | 60 |
| A | 11 | 15 | 0.2 | 76 | 5 | 09S +0.69 | 61 |
| A | 11 | 15 | 0.21 | 83 | 5 | 08S +0.67 | 61 |
| A | 11 | 15 | 0.11 | 71 | 3 | 07S +0.67 | 61 |
| A | 11 | 24 | 0.25 | 69 | 6 | 08S +0.69 | 62 |
| A | 11 | 58 | 0.46 | 32 | 11 | 12S +0.71 | 63 |
| A | 11 | 60 | 0.28 | 112 | 7 | 12S +0.74 | 64 |
| A | 11 | 61 | 0.24 | 88 | 7 | 07S +0.72 | 65 |
| A | 11 | 68 | 0.35 | 110 | 8 | 12S +0.72 | 66 |
| A | 12 | 1 | 0.34 | 117 | 8 | 09S -0.74 | 67 |
| A | 12 | 7 | 0.46 | 134 | 11 | 07S -0.70 | 68 |
| A | 12 | 9 | 0.31 | 88 | 8 | 12S +0.67 | 69 |
| A | 12 | 10 | 0.33 | 126 | 8 | 07S -0.67 | 70 |
| A | 12 | 11 | 0.31 | 128 | 7 | 07S -0.74 | 71 |
| A | 12 | 14 | 0.15 | 35 | 4 | 07S +0.67 | 72 |
| A | 12 | 17 | 0.3 | 156 | 6 | 07S -0.74 | 73 |
| A | 12 | 18 | 0.39 | 155 | 9 | 07S +0.69 | 74 |
| A | 12 | 18 | 0.42 | 114 | 10 | 07S -0.74 | 74 |
| A | 12 | 28 | 0.36 | 87 | 8 | 08S +0.67 | 75 |
| A | 12 | 61 | 0.42 | 94 | 11 | 07S +0.69 | 76 |
| A | 12 | 70 | 0.85 | 55 | 21 | 10S +0.62 | 77 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 13 | 3 | 0.24 | 111 | 6 | 09S -0.63 | 78 |
| A | 13 | 6 | 0.38 | 99 | 9 | 07S -0.77 | 79 |
| A | 13 | 7 | 0.34 | 112 | 8 | 07S -0.75 | 80 |
| A | 13 | 9 | 0.35 | 64 | 8 | 07S -0.76 | 81 |
| A | 13 | 17 | 0.18 | 113 | 4 | 07S +0.69 | 82 |
| A | 13 | 19 | 0.19 | 121 | 5 | 07S -0.76 | 83 |
| A | 13 | 59 | 0.25 | 122 | 6 | 08S +0.71 | 84 |
| A | 13 | 61 | 0.28 | 172 | 7 | 07S +0.60 | 85 |
| A | 13 | 69 | 0.32 | 80 | 7 | 08S +0.70 | 86 |
| A | 13 | 69 | 0.32 | 53 | 7 | 07S +0.63 | 86 |
| A | 13 | 71 | 0.32 | 50 | 7 | 09S -0.88 | 87 |
| A | 14 | 1 | 0.32 | 60 | 8 | 11S +0.65 | 88 |
| A | 14 | 4 | 0.16 | 102 | 4 | 08S +0.64 | 89 |
| A | 14 | 8 | 0.29 | 56 | 7 | 08S -0.79 | 90 |
| A | 14 | 8 | 0.57 | 101 | 13 | 07S -0.73 | 90 |
| A | 14 | 32 | 0.33 | 58 | 7 | 12S +0.60 | 91 |
| A | 14 | 68 | 0.36 | 37 | 10 | 04S +0.74 | 92 |
| A | 14 | 70 | 0.39 | 84 | 11 | 10S +0.72 | 93 |
| A | 14 | 70 | 0.39 | 146 | 11 | 08S +0.65 | 93 |
| A | 14 | 70 | 0.37 | 33 | 11 | 07S +0.69 | 93 |
| A | 15 | 8 | 0.28 | 94 | 7 | 07S -0.78 | 94 |
| A | 15 | 30 | 0.98 | 80 | 17 | 06S +0.67 | 95 |
| A | 15 | 64 | 0.32 | 73 | 7 | 07S -0.78 | 96 |
| A | 15 | 71 | 0.21 | 66 | 5 | 08S +0.67 | 97 |
| A | 15 | 76 | 0.49 | 111 | 14 | 10S +0.65 | 98 |
| A | 16 | 5 | 0.28 | 118 | 7 | 07S -0.76 | 99 |
| A | 16 | 6 | 0.22 | 87 | 6 | 08S -0.79 | 100 |
| A | 16 | 7 | 0.28 | 136 | 7 | 07S -0.69 | 101 |
| A | 16 | 8 | 0.24 | 85 | 6 | 07S -0.77 | 102 |
| A | 16 | 9 | 0.33 | 77 | 8 | 07S -0.83 | 103 |
| A | 16 | 75 | 0.45 | 36 | 10 | 08S +0.70 | 104 |
| A | 16 | 76 | 0.36 | 70 | 10 | 08S +0.62 | 105 |
| A | 16 | 76 | 0.36 | 32 | 11 | 10S +0.74 | 105 |
| A | 16 | 77 | 0.36 | 78 | 8 | 09S -0.81 | 106 |
| A | 17 | 7 | 0.31 | 128 | 8 | 07S -0.77 | 107 |
| A | 17 | 8 | 0.49 | 92 | 11 | 07S -0.80 | 108 |
| A | 17 | 9 | 0.2 | 78 | 5 | 08S -0.84 | 109 |
| A | 17 | 9 | 0.31 | 135 | 8 | 07S -0.77 | 109 |
| A | 17 | 70 | 0.39 | 101 | 11 | 07S +0.69 | 110 |
| A | 17 | 71 | 0.38 | 70 | 8 | 07S +0.61 | 111 |
| A | 17 | 72 | 0.6 | 140 | 16 | 07S +0.62 | 112 |
| A | 17 | 72 | 0.42 | 22 | 12 | 07S -0.71 | 112 |
| A | 17 | 75 | 0.5 | 62 | 11 | 08S +0.53 | 113 |
| A | 17 | 76 | 0.37 | 59 | 11 | 08S +0.67 | 114 |
| A | 18 | 7 | 0.33 | 124 | 8 | 07S -0.71 | 115 |
| A | 18 | 9 | 0.23 | 73 | 6 | 08S -0.79 | 116 |
| A | 18 | 9 | 0.38 | 115 | 9 | 07S -0.74 | 116 |
| A | 18 | 25 | 0.51 | 141 | 10 | 09S +0.65 | 117 |
| A | 18 | 74 | 0.55 | 87 | 12 | 06S +0.63 | 118 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 19 | 3 | 0.56 | 80 | 13 | 12S +0.70 | 119 |
| A | 19 | 7 | 0.26 | 57 | 6 | 12S +0.70 | 120 |
| A | 19 | 8 | 0.2 | 75 | 5 | 08S -0.76 | 121 |
| A | 19 | 30 | 0.19 | 63 | 4 | 03S +0.69 | 122 |
| A | 19 | 33 | 0.35 | 113 | 8 | 09S +0.49 | 123 |
| A | 19 | 68 | 0.39 | 27 | 9 | 09S +0.76 | 124 |
| A | 19 | 75 | 0.44 | 56 | 10 | 07S +0.58 | 125 |
| A | 19 | 76 | 0.56 | 77 | 15 | 07S +0.69 | 126 |
| A | 19 | 84 | 0.29 | 32 | 9 | 08S -0.76 | 127 |
| A | 20 | 65 | 0.28 | 80 | 7 | 03S +0.69 | 128 |
| A | 20 | 73 | 0.76 | 36 | 16 | 08S +0.61 | 129 |
| A | 20 | 77 | 0.49 | 120 | 11 | 08S +0.68 | 130 |
| A | 20 | 77 | 0.72 | 42 | 15 | 07S +0.56 | 130 |
| A | 20 | 78 | 0.29 | 64 | 9 | 08S +0.65 | 131 |
| A | 20 | 82 | 0.23 | 19 | 7 | 08S +0.76 | 132 |
| A | 21 | 1 | 0.19 | 52 | 5 | 11S +0.61 | 133 |
| A | 21 | 6 | 0.16 | 95 | 4 | 08S -0.79 | 134 |
| A | 21 | 60 | 0.33 | 78 | 8 | 04S +0.72 | 135 |
| A | 21 | 84 | 0.39 | 28 | 11 | 07S +0.63 | 136 |
| A | 21 | 86 | 0.44 | 37 | 12 | 07S +0.66 | 137 |
| A | 22 | 11 | 0.2 | 64 | 5 | 08S -0.76 | 138 |
| A | 22 | 59 | 0.35 | 93 | 8 | 10S +0.71 | 139 |
| A | 22 | 82 | 0.28 | 41 | 8 | 07S +0.65 | 140 |
| A | 22 | 84 | 0.45 | 352 | 13 | 08S +0.65 | 141 |
| A | 22 | 86 | 0.5 | 25 | 14 | 08S +0.65 | 142 |
| A | 23 | 8 | 0.22 | 93 | 6 | 08S -0.76 | 143 |
| A | 23 | 84 | 0.25 | 42 | 8 | 07S +0.72 | 144 |
| A | 23 | 86 | 0.34 | 99 | 10 | 08S +0.63 | 145 |
| A | 23 | 86 | 0.42 | 61 | 12 | 07S +0.67 | 145 |
| A | 23 | 91 | 0.41 | 100 | 12 | 08S -0.76 | 146 |
| A | 24 | 6 | 0.17 | 92 | 4 | 08S -0.81 | 147 |
| A | 24 | 7 | 0.39 | 82 | 9 | 12S +0.65 | 148 |
| A | 24 | 7 | 0.26 | 96 | 7 | 08S -0.79 | 148 |
| A | 24 | 8 | 0.23 | 93 | 6 | 08S -0.79 | 149 |
| A | 24 | 82 | 0.35 | 57 | 10 | 02S +0.58 | 150 |
| A | 24 | 85 | 0.22 | 143 | 5 | 07S +0.68 | 151 |
| A | 24 | 86 | 0.21 | 116 | 7 | 07S +0.67 | 152 |
| A | 24 | 88 | 0.45 | 84 | 12 | 08S +0.56 | 153 |
| A | 24 | 88 | 0.56 | 88 | 15 | 08S -0.72 | 153 |
| A | 24 | 88 | 0.48 | 52 | 13 | 07S +0.65 | 153 |
| A | 24 | 89 | 0.24 | 96 | 6 | 08S +0.63 | 154 |
| A | 24 | 89 | 0.34 | 57 | 8 | 07S +0.68 | 154 |
| A | 24 | 90 | 0.49 | 41 | 13 | 08S +0.63 | 155 |
| A | 24 | 90 | 0.37 | 123 | 11 | 08S -0.74 | 155 |
| A | 24 | 90 | 0.16 | 76 | 5 | 07S +0.67 | 155 |
| A | 24 | 90 | 0.11 | 112 | 4 | 07S -0.67 | 155 |
| A | 24 | 92 | 0.41 | 48 | 12 | 08S +0.67 | 156 |
| A | 24 | 93 | 0.31 | 88 | 7 | 08S +0.63 | 157 |
| A | 25 | 7 | 0.31 | 93 | 8 | 08S -0.82 | 158 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 25 | 8 | 0.22 | 37 | 5 | 08S -0.88 | 159 |
| A | 25 | 89 | 0.49 | 104 | 11 | 08S +0.68 | 160 |
| A | 25 | 89 | 0.22 | 100 | 5 | 07S +0.61 | 160 |
| A | 25 | 90 | 0.35 | 123 | 10 | 08S +0.67 | 161 |
| A | 25 | 90 | 0.25 | 108 | 8 | 07S +0.65 | 161 |
| A | 25 | 92 | 0.27 | 58 | 8 | 08S +0.63 | 162 |
| A | 25 | 92 | 0.26 | 58 | 8 | 08S -0.81 | 162 |
| A | 25 | 92 | 0.22 | 74 | 7 | 07S +0.69 | 162 |
| A | 25 | 94 | 0.48 | 138 | 13 | 08S -0.74 | 163 |
| A | 25 | 96 | 0.39 | 150 | 11 | 10S +0.58 | 164 |
| A | 26 | 90 | 0.46 | 86 | 10 | 09S +0.68 | 165 |
| A | 26 | 90 | 0.62 | 83 | 13 | 08S +0.58 | 165 |
| A | 26 | 90 | 0.34 | 100 | 8 | 07S +0.68 | 165 |
| A | 26 | 92 | 0.45 | 59 | 13 | 09S -0.83 | 166 |
| A | 26 | 92 | 0.4 | 116 | 11 | 08S +0.70 | 166 |
| A | 26 | 94 | 0.23 | 93 | 5 | 08S +0.63 | 167 |
| A | 26 | 94 | 0.47 | 39 | 10 | 08S -0.82 | 167 |
| A | 26 | 95 | 0.6 | 81 | 16 | 08S -0.74 | 168 |
| A | 26 | 96 | 0.5 | 62 | 11 | 08S -0.80 | 169 |
| A | 26 | 97 | 0.46 | 62 | 13 | 08S -0.76 | 170 |
| A | 27 | 4 | 0.26 | 81 | 6 | 08S -0.72 | 171 |
| A | 27 | 89 | 0.96 | 42 | 22 | 04S -0.60 | 172 |
| A | 27 | 93 | 0.51 | 110 | 14 | 08S +0.58 | 173 |
| A | 27 | 93 | 0.29 | 117 | 9 | 07S +0.71 | 173 |
| A | 27 | 94 | 0.34 | 92 | 8 | 07S +0.54 | 174 |
| A | 27 | 97 | 0.33 | 97 | 10 | 08S -0.79 | 175 |
| A | 27 | 98 | 0.44 | 85 | 10 | 08S -0.70 | 176 |
| A | 28 | 8 | 0.23 | 81 | 6 | 07S -0.69 | 177 |
| A | 28 | 9 | 0.34 | 112 | 8 | 07S -0.63 | 178 |
| A | 28 | 55 | 0.46 | 53 | 10 | 03S +0.67 | 179 |
| A | 28 | 64 | 0.2 | 102 | 4 | 07S +0.67 | 180 |
| A | 29 | 98 | 0.31 | 100 | 7 | 12S +0.61 | 181 |
| A | 29 | 104 | 0.6 | 94 | 14 | 11S +0.70 | 182 |
| A | 29 | 104 | 0.41 | 160 | 10 | 09S -0.81 | 182 |
| A | 30 | 103 | 0.45 | 77 | 11 | 08S -0.79 | 183 |
| A | 31 | 11 | 0.61 | 128 | 14 | 09S +0.58 | 184 |
| A | 31 | 32 | 1.27 | 84 | 21 | 10S +0.74 | 185 |
| A | 31 | 49 | 0.25 | 78 | 6 | 07S +0.67 | 186 |
| A | 31 | 104 | 0.34 | 52 | 8 | 08S -0.76 | 187 |
| A | 32 | 101 | 0.48 | 80 | 13 | 04S +0.74 | 188 |
| A | 33 | 4 | 0.56 | 159 | 13 | 08S -0.62 | 189 |
| A | 33 | 19 | 0.2 | 64 | 5 | 02S +0.79 | 190 |
| A | 33 | 104 | 0.47 | 35 | 11 | 08S -0.82 | 191 |
| A | 34 | 86 | 0.42 | 178 | 12 | 15S +0.64 | 192 |
| A | 34 | 106 | 0.21 | 80 | 5 | 09S +0.67 | 193 |
| A | 35 | 7 | 0.14 | 121 | 4 | 05S +0.78 | 194 |
| A | 35 | 11 | 0.5 | 79 | 12 | 12S +0.71 | 195 |
| A | 35 | 86 | 0.55 | 65 | 13 | 03S +0.70 | 196 |
| A | 35 | 108 | 0.31 | 110 | 8 | 08S +0.62 | 197 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 36 | 9 | 0.21 | 87 | 5 | 07S +0.72 | 198 |
| A | 36 | 73 | 0.58 | 189 | 12 | 03S +0.62 | 199 |
| A | 36 | 113 | 0.4 | 58 | 10 | 02S -0.82 | 200 |
| A | 37 | 59 | 0.33 | 46 | 7 | 07S +0.62 | 201 |
| A | 37 | 113 | 1.09 | 73 | 21 | 11S +0.70 | 202 |
| A | 37 | 114 | 0.29 | 118 | 7 | 11S +0.70 | 203 |
| A | 38 | 3 | 0.24 | 106 | 7 | 08S -0.69 | 204 |
| A | 38 | 5 | 0.29 | 105 | 8 | 08S -0.71 | 205 |
| A | 38 | 94 | 0.42 | 74 | 10 | 04S +0.70 | 206 |
| A | 38 | 110 | 0.26 | 78 | 7 | 08S +0.65 | 207 |
| A | 38 | 115 | 0.29 | 127 | 7 | 11S -0.79 | 208 |
| A | 39 | 3 | 0.22 | 130 | 6 | 09S +0.69 | 209 |
| A | 39 | 8 | 0.23 | 148 | 6 | 06S -0.69 | 210 |
| A | 39 | 93 | 0.23 | 101 | 7 | 04S -0.74 | 211 |
| A | 40 | 7 | 0.25 | 67 | 7 | 08S -0.70 | 212 |
| A | 40 | 115 | 0.38 | 67 | 9 | 09S +0.60 | 213 |
| A | 40 | 116 | 0.31 | 80 | 8 | 08S +0.67 | 214 |
| A | 40 | 117 | 0.29 | 94 | 7 | 08S -0.77 | 215 |
| A | 41 | 58 | 0.41 | 21 | 8 | 03S +0.67 | 216 |
| A | 41 | 116 | 0.65 | 86 | 15 | 12S +0.67 | 217 |
| A | 41 | 116 | 0.61 | 109 | 14 | 11S -0.74 | 217 |
| A | 43 | 2 | 0.1 | 129 | 3 | 09S +0.77 | 218 |
| A | 43 | 6 | 0.15 | 109 | 4 | 09S +0.72 | 219 |
| A | 43 | 8 | 0.24 | 110 | 7 | 09S +0.74 | 220 |
| A | 43 | 118 | 0.27 | 100 | 7 | 12S +0.67 | 221 |
| A | 44 | 1 | 0.55 | 88 | 14 | 08S -0.69 | 222 |
| A | 44 | 8 | 0.12 | 83 | 3 | 09S +0.70 | 223 |
| A | 45 | 8 | 0.15 | 51 | 5 | 09S +0.74 | 224 |
| A | 45 | 65 | 0.35 | 75 | 7 | 04S +0.71 | 225 |
| A | 45 | 115 | 0.58 | 52 | 13 | 07S +0.65 | 226 |
| A | 45 | 116 | 0.41 | 52 | 10 | 07S +0.65 | 227 |
| A | 46 | 24 | 0.48 | 139 | 11 | 03S +0.75 | 228 |
| A | 46 | 112 | 0.56 | 51 | 13 | 08S +0.51 | 229 |
| A | 46 | 114 | 0.47 | 113 | 11 | 08S +0.56 | 230 |
| A | 46 | 117 | 0.2 | 89 | 5 | 08S +0.62 | 231 |
| A | 47 | 4 | 0.3 | 79 | 8 | 11S +0.68 | 232 |
| A | 48 | 8 | 0.14 | 128 | 4 | 09S +0.37 | 233 |
| A | 49 | 4 | 0.08 | 128 | 2 | 09S +0.68 | 234 |
| A | 49 | 7 | 0.28 | 104 | 8 | 09S +0.76 | 235 |
| A | 50 | 4 | 0.16 | 176 | 4 | 09S +0.65 | 236 |
| A | 50 | 5 | 0.3 | 81 | 8 | 09S +0.67 | 237 |
| A | 50 | 6 | 0.13 | 36 | 3 | 09S +0.72 | 238 |
| A | 50 | 7 | 0.25 | 75 | 7 | 09S +0.71 | 239 |
| A | 50 | 116 | 0.32 | 40 | 8 | 08S +0.41 | 240 |
| A | 50 | 117 | 0.26 | 101 | 6 | 08S +0.65 | 241 |
| A | 50 | 118 | 0.4 | 58 | 10 | 08S +0.63 | 242 |
| A | 51 | 6 | 0.08 | 101 | 2 | 09S +0.79 | 243 |
| A | 52 | 5 | 0.25 | 105 | 7 | 09S +0.72 | 244 |
| A | 52 | 6 | 0.44 | 81 | 12 | 09S +0.74 | 245 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 52 | 11 | 0.31 | 67 | 8 | 03S +0.69 | 246 |
| A | 52 | 98 | 0.33 | 37 | 8 | 11S -0.90 | 247 |
| A | 53 | 4 | 0.19 | 77 | 5 | 09S +0.68 | 248 |
| A | 53 | 4 | 0.18 | 82 | 5 | 09S -0.70 | 248 |
| A | 53 | 5 | 0.28 | 84 | 8 | 09S +0.74 | 249 |
| A | 53 | 6 | 0.12 | 123 | 3 | 07S +0.79 | 250 |
| A | 53 | 93 | 0.47 | 36 | 10 | 05S -0.95 | 251 |
| A | 53 | 106 | 0.27 | 63 | 7 | 15S -0.83 | 252 |
| A | 53 | 119 | 0.34 | 107 | 8 | 08S +0.67 | 253 |
| A | 53 | 120 | 0.24 | 69 | 6 | 08S +0.65 | 254 |
| A | 54 | 4 | 0.24 | 106 | 6 | 09S +0.70 | 255 |
| A | 54 | 122 | 0.43 | 116 | 10 | 08S +0.63 | 256 |
| A | 54 | 124 | 0.45 | 45 | 11 | 08S -0.90 | 257 |
| A | 54 | 127 | 0.4 | 45 | 10 | 08S -0.79 | 258 |
| A | 55 | 2 | 0.35 | 98 | 9 | 09S -0.72 | 259 |
| A | 55 | 96 | 0.85 | 70 | 19 | 03S +0.67 | 260 |
| A | 55 | 115 | 0.27 | 73 | 7 | 04S +0.67 | 261 |
| A | 55 | 119 | 0.38 | 74 | 9 | 08S +0.70 | 262 |
| A | 55 | 121 | 0.26 | 44 | 7 | 08S -0.83 | 263 |
| A | 57 | 1 | 0.15 | 146 | 4 | 08S -0.69 | 264 |
| A | 57 | 1 | 0.55 | 102 | 14 | 10S -0.69 | 264 |
| A | 57 | 1 | 0.35 | 119 | 9 | 10S +0.71 | 264 |
| A | 57 | 2 | 0.7 | 96 | 16 | 08S +0.84 | 265 |
| A | 57 | 127 | 1.06 | 113 | 21 | 10S +0.70 | 266 |
| A | 57 | 127 | 0.22 | 118 | 6 | 08S -0.77 | 266 |
| A | 58 | 1 | 0.16 | 123 | 5 | 09S -0.73 | 267 |
| A | 58 | 6 | 0.39 | 87 | 10 | 09S +0.64 | 268 |
| A | 58 | 60 | 0.27 | 61 | 6 | 14S +0.89 | 269 |
| A | 58 | 127 | 0.34 | 129 | 8 | 15S +0.72 | 270 |
| A | 58 | 128 | 0.4 | 82 | 10 | 10S +0.60 | 271 |
| A | 59 | 2 | 0.58 | 97 | 14 | 08S +0.74 | 272 |
| A | 59 | 5 | 0.24 | 106 | 7 | 07S -0.69 | 273 |
| A | 59 | 5 | 0.16 | 123 | 5 | 09S +0.73 | 273 |
| A | 59 | 42 | 0.3 | 111 | 9 | 09S +0.81 | 274 |
| A | 59 | 65 | 0.4 | 50 | 10 | 11S +0.86 | 275 |
| A | 59 | 120 | 0.22 | 63 | 6 | 08S +0.60 | 276 |
| A | 59 | 124 | 0.25 | 145 | 6 | 13S -0.67 | 277 |
| A | 59 | 124 | 0.32 | 76 | 8 | 08S -0.79 | 277 |
| A | 60 | 1 | 0.42 | 95 | 11 | 10S +0.80 | 278 |
| A | 60 | 3 | 0.31 | 77 | 8 | 07S -0.67 | 279 |
| A | 60 | 4 | 0.26 | 115 | 7 | 09S +0.67 | 280 |
| A | 60 | 4 | 0.26 | 70 | 7 | 09S -0.73 | 280 |
| A | 60 | 42 | 0.37 | 88 | 11 | 09S +0.81 | 281 |
| A | 60 | 84 | 0.12 | 82 | 3 | 04S -0.32 | 282 |
| A | 60 | 124 | 0.3 | 77 | 8 | 08S +0.55 | 283 |
| A | 61 | 5 | 0.42 | 92 | 11 | 07S -0.40 | 284 |
| A | 61 | 5 | 0.18 | 41 | 5 | 05S +0.72 | 284 |
| A | 61 | 124 | 0.21 | 84 | 5 | 11S +0.65 | 285 |
| A | 61 | 124 | 0.27 | 91 | 7 | 08S -0.81 | 285 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 61 | 124 | 1.24 | 95 | 24 | 10S +0.12 | 285 |
| A | 62 | 2 | 0.23 | 123 | 7 | 10S +0.57 | 286 |
| A | 62 | 4 | 0.28 | 110 | 8 | 07S -0.73 | 287 |
| A | 62 | 5 | 0.31 | 92 | 8 | 07S -0.72 | 288 |
| A | 62 | 7 | 0.31 | 79 | 8 | 10S +0.81 | 289 |
| A | 62 | 124 | 0.65 | 94 | 15 | 08S +0.67 | 290 |
| A | 62 | 126 | 0.15 | 51 | 4 | 07S -0.75 | 291 |
| A | 62 | 128 | 0.55 | 99 | 13 | 10S +0.57 | 292 |
| A | 62 | 128 | 0.5 | 95 | 12 | 10S -0.72 | 292 |
| A | 62 | 128 | 0.41 | 85 | 10 | 08S -0.81 | 292 |
| A | 63 | 5 | 0.33 | 97 | 9 | 07S -0.65 | 293 |
| A | 63 | 6 | 0.12 | 32 | 3 | 09S +0.79 | 294 |
| A | 63 | 121 | 0.24 | 133 | 6 | 08S +0.53 | 295 |
| A | 63 | 124 | 0.29 | 102 | 7 | 08S -0.55 | 296 |
| A | 63 | 124 | 0.36 | 110 | 9 | 07S -0.72 | 296 |
| A | 63 | 128 | 0.63 | 86 | 14 | 10S +0.62 | 297 |
| A | 63 | 128 | 0.28 | 81 | 7 | 08S -0.81 | 297 |
| A | 64 | 8 | 0.27 | 87 | 7 | 10S +0.81 | 298 |
| A | 64 | 9 | 0.18 | 81 | 5 | 08S +0.74 | 299 |
| A | 64 | 61 | 0.46 | 70 | 10 | 08S +0.77 | 300 |
| A | 64 | 114 | 0.29 | 107 | 7 | 04S +0.00 | 301 |
| A | 65 | 87 | 0.45 | 98 | 11 | 04S +0.70 | 302 |
| A | 65 | 122 | 0.32 | 113 | 8 | 08S +0.46 | 303 |
| A | 65 | 123 | 0.15 | 97 | 4 | 07S +0.74 | 304 |
| A | 65 | 123 | 0.34 | 74 | 8 | 07S +0.14 | 304 |
| A | 65 | 128 | 0.31 | 83 | 8 | 11S +0.63 | 305 |
| A | 65 | 128 | 0.23 | 87 | 6 | 11S -0.79 | 305 |
| A | 65 | 128 | 0.32 | 84 | 8 | 08S -0.79 | 305 |
| A | 65 | 129 | 0.28 | 110 | 7 | 08S -0.90 | 306 |
| A | 65 | 129 | 0.45 | 87 | 10 | 10S +0.64 | 306 |
| A | 66 | 1 | 0.36 | 70 | 10 | 10S -0.74 | 307 |
| A | 66 | 6 | 0.35 | 86 | 9 | 10S +0.79 | 308 |
| A | 66 | 14 | 0.39 | 94 | 10 | 11S +0.77 | 309 |
| A | 66 | 17 | 0.41 | 89 | 12 | 11S +0.73 | 310 |
| A | 66 | 86 | 0.38 | 65 | 8 | 14S -0.54 | 311 |
| A | 66 | 126 | 0.33 | 98 | 8 | 07S -0.77 | 312 |
| A | 66 | 127 | 0.39 | 81 | 9 | 15S -0.87 | 313 |
| A | 66 | 128 | 0.28 | 82 | 7 | 08S -0.87 | 314 |
| A | 66 | 128 | 0.15 | 57 | 4 | 07S +0.58 | 314 |
| A | 67 | 6 | 0.34 | 91 | 9 | 10S +0.81 | 315 |
| A | 67 | 6 | 0.16 | 159 | 4 | 09S +0.75 | 315 |
| A | 67 | 8 | 0.25 | 69 | 7 | 10S +0.84 | 316 |
| A | 67 | 8 | 0.33 | 44 | 9 | 10S -0.58 | 316 |
| A | 67 | 13 | 0.36 | 82 | 9 | 11S +0.79 | 317 |
| A | 67 | 62 | 0.64 | 91 | 13 | 10S +0.82 | 318 |
| A | 67 | 118 | 0.28 | 80 | 7 | 05S +0.72 | 319 |
| A | 67 | 128 | 0.17 | 66 | 4 | 07S +0.67 | 320 |
| A | 67 | 129 | 0.25 | 100 | 6 | 11S -0.79 | 321 |
| A | 67 | 129 | 0.5 | 96 | 12 | 10S +0.67 | 321 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 67 | 129 | 0.23 | 93 | 6 | 08S -0.79 | 321 |
| A | 68 | 3 | 0.42 | 100 | 11 | 11S +0.68 | 322 |
| A | 68 | 12 | 0.35 | 88 | 9 | 11S +0.79 | 323 |
| A | 68 | 13 | 0.29 | 86 | 8 | 11S +0.77 | 324 |
| A | 68 | 15 | 0.42 | 109 | 12 | 11S +0.80 | 325 |
| A | 68 | 16 | 0.54 | 80 | 12 | 11S +0.77 | 326 |
| A | 68 | 22 | 0.34 | 86 | 8 | 12S +0.74 | 327 |
| A | 68 | 34 | 0.26 | 97 | 6 | 12S +0.76 | 328 |
| A | 68 | 42 | 0.21 | 88 | 6 | 09S +0.79 | 329 |
| A | 68 | 60 | 0.38 | 55 | 11 | 04S +0.74 | 330 |
| A | 68 | 65 | 0.31 | 62 | 8 | 12S +0.84 | 331 |
| A | 68 | 73 | 0.26 | 89 | 6 | 06S -0.83 | 332 |
| A | 68 | 127 | 0.24 | 105 | 6 | 08S -0.75 | 333 |
| A | 68 | 129 | 0.4 | 94 | 10 | 10S +0.57 | 334 |
| A | 68 | 129 | 0.4 | 99 | 10 | 09S +0.55 | 334 |
| A | 68 | 130 | 0.39 | 91 | 9 | 11S -0.85 | 335 |
| A | 68 | 130 | 0.3 | 112 | 7 | 10S +0.59 | 335 |
| A | 68 | 130 | 0.31 | 79 | 8 | 08S -0.81 | 335 |
| A | 68 | 131 | 0.16 | 74 | 4 | 12S -0.72 | 336 |
| A | 68 | 131 | 0.24 | 132 | 6 | 12S +0.60 | 336 |
| A | 69 | 4 | 0.74 | 97 | 17 | 11S +0.67 | 337 |
| A | 69 | 5 | 0.46 | 94 | 13 | 11S +0.71 | 338 |
| A | 69 | 14 | 0.29 | 129 | 7 | 11S +0.69 | 339 |
| A | 69 | 30 | 0.3 | 80 | 9 | 12S +0.67 | 340 |
| A | 69 | 70 | 0.12 | 96 | 3 | 04S +0.76 | 341 |
| A | 69 | 129 | 0.2 | 87 | 5 | 08S -0.45 | 342 |
| A | 69 | 131 | 0.21 | 116 | 5 | 12S -0.84 | 343 |
| A | 69 | 131 | 0.18 | 61 | 5 | 11S -0.83 | 343 |
| A | 69 | 131 | 0.39 | 108 | 9 | 10S +0.63 | 343 |
| A | 69 | 131 | 0.18 | 79 | 5 | 08S -0.81 | 343 |
| A | 70 | 4 | 0.33 | 111 | 9 | 11S +0.67 | 344 |
| A | 70 | 5 | 0.57 | 108 | 13 | 11S +0.69 | 345 |
| A | 70 | 5 | 0.35 | 109 | 8 | 07S -0.76 | 345 |
| A | 70 | 7 | 0.49 | 122 | 12 | 10S +0.76 | 346 |
| A | 70 | 10 | 0.25 | 105 | 7 | 11S +0.71 | 347 |
| A | 70 | 13 | 0.18 | 136 | 5 | 11S +0.66 | 348 |
| A | 70 | 13 | 0.15 | 97 | 4 | 10S +0.73 | 348 |
| A | 70 | 14 | 0.44 | 117 | 12 | 11S +0.73 | 349 |
| A | 70 | 16 | 0.38 | 106 | 11 | 11S +0.62 | 350 |
| A | 70 | 30 | 0.31 | 90 | 8 | 11S +0.70 | 351 |
| A | 70 | 55 | 0.2 | 49 | 6 | 11S +0.79 | 352 |
| A | 70 | 59 | 0.46 | 38 | 12 | 11S +0.79 | 353 |
| A | 70 | 128 | 0.22 | 94 | 6 | 10S -0.79 | 354 |
| A | 70 | 128 | 0.19 | 82 | 5 | 10S +0.50 | 354 |
| A | 70 | 130 | 0.24 | 128 | 6 | 11S -0.79 | 355 |
| A | 70 | 130 | 0.34 | 140 | 8 | 10S +0.58 | 355 |
| A | 70 | 130 | 0.21 | 104 | 5 | 08S -0.81 | 355 |
| A | 71 | 6 | 0.32 | 102 | 9 | 11S +0.74 | 356 |
| A | 71 | 13 | 0.53 | 92 | 13 | 11S +0.62 | 357 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 71 | 14 | 0.26 | 133 | 8 | 11S +0.67 | 358 |
| A | 71 | 17 | 0.31 | 121 | 7 | 11S +0.65 | 359 |
| A | 71 | 22 | 0.35 | 116 | 9 | 11S +0.63 | 360 |
| A | 71 | 34 | 0.36 | 141 | 9 | 12S +0.79 | 361 |
| A | 71 | 45 | 0.39 | 118 | 10 | 11S +0.75 | 362 |
| A | 71 | 126 | 0.26 | 90 | 7 | 08S +0.12 | 363 |
| A | 71 | 128 | 0.45 | 88 | 10 | 15S -0.72 | 364 |
| A | 71 | 128 | 0.42 | 90 | 10 | 10S -0.51 | 364 |
| A | 71 | 129 | 0.56 | 89 | 13 | 09S +0.29 | 365 |
| A | 71 | 129 | 0.51 | 91 | 12 | 10S +0.63 | 365 |
| A | 71 | 130 | 0.35 | 78 | 8 | 08S -0.83 | 366 |
| A | 71 | 131 | 0.24 | 81 | 6 | 10S +0.65 | 367 |
| A | 72 | 2 | 0.25 | 65 | 6 | 14S +0.72 | 368 |
| A | 72 | 3 | 0.57 | 91 | 12 | 12S +0.67 | 369 |
| A | 72 | 10 | 0.47 | 123 | 12 | 11S +0.66 | 370 |
| A | 72 | 12 | 0.46 | 98 | 12 | 11S +0.66 | 371 |
| A | 72 | 13 | 0.46 | 106 | 11 | 11S +0.67 | 372 |
| A | 72 | 15 | 0.31 | 133 | 7 | 11S +0.67 | 373 |
| A | 72 | 23 | 0.26 | 87 | 8 | 07S +0.74 | 374 |
| A | 72 | 29 | 0.24 | 84 | 7 | 11S +0.74 | 375 |
| A | 72 | 31 | 0.51 | 111 | 12 | 12S +0.77 | 376 |
| A | 72 | 37 | 0.33 | 127 | 8 | 12S +0.75 | 377 |
| A | 72 | 38 | 0.34 | 108 | 10 | 11S +0.74 | 378 |
| A | 72 | 57 | 0.55 | 107 | 14 | 10S +0.69 | 379 |
| A | 72 | 58 | 0.77 | 88 | 17 | 11S +0.72 | 380 |
| A | 72 | 61 | 0.32 | 72 | 9 | 09S -0.74 | 381 |
| A | 72 | 91 | 0.22 | 143 | 5 | 04S +0.49 | 382 |
| A | 72 | 127 | 0.65 | 94 | 15 | 10S -0.65 | 383 |
| A | 72 | 127 | 0.25 | 98 | 6 | 07S +0.62 | 383 |
| A | 73 | 14 | 0.2 | 104 | 6 | 13S -0.40 | 384 |
| A | 73 | 20 | 0.37 | 136 | 9 | 12S +0.71 | 385 |
| A | 73 | 22 | 0.38 | 119 | 9 | 11S +0.62 | 386 |
| A | 73 | 41 | 0.47 | 117 | 12 | 12S +0.77 | 387 |
| A | 73 | 57 | 0.32 | 138 | 8 | 10S +0.79 | 388 |
| A | 73 | 61 | 0.45 | 88 | 11 | 07S +0.77 | 389 |
| A | 73 | 128 | 0.79 | 93 | 17 | 10S -0.79 | 390 |
| A | 73 | 128 | 0.53 | 97 | 13 | 09S +0.46 | 390 |
| A | 73 | 128 | 0.31 | 94 | 8 | 08S -0.73 | 390 |
| A | 73 | 129 | 0.21 | 79 | 5 | 11S -0.87 | 391 |
| A | 73 | 130 | 0.25 | 84 | 6 | 10S +0.60 | 392 |
| A | 74 | 16 | 0.18 | 89 | 4 | 11S +0.63 | 393 |
| A | 74 | 34 | 0.3 | 130 | 7 | 14S +0.74 | 394 |
| A | 74 | 46 | 0.22 | 115 | 6 | 14S +0.79 | 395 |
| A | 74 | 122 | 0.23 | 71 | 6 | 10S +0.62 | 396 |
| A | 74 | 123 | 0.26 | 110 | 6 | 11S -0.07 | 397 |
| A | 74 | 123 | 0.31 | 111 | 8 | 10S -0.70 | 397 |
| A | 74 | 123 | 0.37 | 91 | 9 | 08S -0.17 | 397 |
| A | 74 | 124 | 0.34 | 94 | 8 | 10S +0.56 | 398 |
| A | 74 | 124 | 0.37 | 126 | 9 | 08S -0.70 | 398 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 75 | 16 | 0.25 | 69 | 6 | 14S +0.47 | 399 |
| A | 75 | 29 | 0.59 | 98 | 13 | 07S -0.76 | 400 |
| A | 75 | 42 | 0.37 | 139 | 9 | 07S -0.72 | 401 |
| A | 75 | 62 | 0.33 | 142 | 8 | 04S +0.71 | 402 |
| A | 75 | 73 | 0.51 | 67 | 11 | 07S -0.73 | 403 |
| A | 75 | 89 | 0.29 | 97 | 7 | 04S +0.67 | 404 |
| A | 75 | 123 | 0.48 | 94 | 11 | 11S -0.49 | 405 |
| A | 75 | 123 | 0.6 | 86 | 13 | 10S -0.65 | 405 |
| A | 75 | 124 | 0.35 | 107 | 9 | 10S -0.65 | 406 |
| A | 75 | 124 | 0.48 | 73 | 11 | 11S +0.63 | 406 |
| A | 75 | 124 | 0.39 | 102 | 10 | 11S -0.79 | 406 |
| A | 76 | 122 | 0.44 | 104 | 15 | 09S +0.55 | 407 |
| A | 77 | 6 | 0.32 | 58 | 8 | 11S -0.73 | 408 |
| A | 77 | 17 | 0.51 | 101 | 12 | 07S -0.83 | 409 |
| A | 77 | 65 | 0.31 | 99 | 7 | 09S +0.69 | 410 |
| A | 77 | 65 | 0.25 | 140 | 6 | 09S -0.80 | 410 |
| A | 77 | 74 | 0.26 | 55 | 7 | 07S -0.81 | 411 |
| A | 77 | 76 | 0.84 | 59 | 22 | 07S -0.79 | 412 |
| A | 77 | 80 | 0.55 | 156 | 16 | 09S -0.82 | 413 |
| A | 77 | 80 | 0.47 | 42 | 15 | 05S +0.67 | 413 |
| A | 77 | 80 | 0.27 | 144 | 9 | 05S -0.80 | 413 |
| A | 77 | 80 | 0.49 | 91 | 15 | 04S -0.66 | 413 |
| A | 77 | 80 | 0.46 | 22 | 14 | 04S +0.57 | 413 |
| A | 77 | 85 | 0.24 | 142 | 7 | 04S +0.66 | 414 |
| A | 77 | 86 | 0.33 | 159 | 11 | 04S +0.68 | 415 |
| A | 77 | 123 | 0.23 | 116 | 9 | 08S +0.57 | 416 |
| A | 77 | 123 | 0.12 | 101 | 5 | 08S -0.75 | 416 |
| A | 78 | 74 | 0.2 | 160 | 6 | 04S +0.71 | 417 |
| A | 78 | 76 | 0.41 | 127 | 13 | 07S -0.82 | 418 |
| A | 78 | 123 | 0.66 | 96 | 15 | 08S -0.71 | 419 |
| A | 78 | 125 | 0.36 | 70 | 9 | 10S -0.69 | 420 |
| A | 78 | 125 | 0.55 | 69 | 13 | 09S -0.58 | 420 |
| A | 78 | 125 | 0.48 | 90 | 12 | 09S +0.35 | 420 |
| A | 79 | 19 | 0.28 | 92 | 7 | 06S +0.84 | 421 |
| A | 79 | 19 | 0.34 | 91 | 8 | 10S -0.73 | 421 |
| A | 79 | 19 | 0.21 | 99 | 6 | 04S +0.77 | 421 |
| A | 79 | 27 | 0.33 | 82 | 9 | 10S -0.70 | 422 |
| A | 79 | 29 | 0.42 | 77 | 12 | 10S -0.70 | 423 |
| A | 79 | 31 | 0.32 | 103 | 9 | 10S -0.70 | 424 |
| A | 79 | 32 | 0.29 | 103 | 8 | 10S -0.70 | 425 |
| A | 79 | 35 | 0.41 | 89 | 11 | 10S -0.68 | 426 |
| A | 79 | 37 | 0.21 | 140 | 6 | 09S -0.70 | 427 |
| A | 79 | 38 | 0.29 | 95 | 8 | 10S -0.70 | 428 |
| A | 79 | 39 | 0.32 | 128 | 8 | 10S -0.68 | 429 |
| A | 79 | 41 | 0.25 | 138 | 7 | 10S -0.68 | 430 |
| A | 79 | 42 | 0.21 | 82 | 6 | 10S -0.63 | 431 |
| A | 79 | 43 | 0.21 | 110 | 6 | 10S -0.65 | 432 |
| A | 79 | 47 | 0.31 | 142 | 8 | 09S -0.68 | 433 |
| A | 79 | 79 | 0.15 | 25 | 4 | 04S +0.71 | 434 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 79 | 83 | 0.24 | 150 | 7 | 06S +0.69 | 435 |
| A | 79 | 92 | 0.44 | 30 | 10 | 09S +0.79 | 436 |
| A | 79 | 95 | 0.38 | 80 | 11 | 04S +0.73 | 437 |
| A | 79 | 128 | 0.74 | 100 | 17 | 10S +0.64 | 438 |
| A | 79 | 128 | 0.35 | 66 | 9 | 10S -0.71 | 438 |
| A | 79 | 129 | 0.22 | 96 | 8 | 10S -0.84 | 439 |
| A | 79 | 129 | 0.45 | 97 | 15 | 11S -0.90 | 439 |
| A | 80 | 5 | 0.25 | 99 | 7 | 10S -0.71 | 440 |
| A | 80 | 17 | 0.4 | 80 | 10 | 10S -0.72 | 441 |
| A | 80 | 29 | 0.4 | 91 | 10 | 10S -0.65 | 442 |
| A | 80 | 30 | 0.28 | 115 | 8 | 10S -0.63 | 443 |
| A | 80 | 35 | 0.21 | 106 | 6 | 10S -0.70 | 444 |
| A | 80 | 35 | 0.25 | 127 | 7 | 12S -0.53 | 444 |
| A | 80 | 36 | 0.33 | 142 | 8 | 05S -0.75 | 445 |
| A | 80 | 37 | 0.23 | 121 | 6 | 10S -0.63 | 446 |
| A | 80 | 39 | 0.28 | 100 | 8 | 10S -0.68 | 447 |
| A | 80 | 39 | 0.27 | 94 | 8 | 11S +0.79 | 447 |
| A | 80 | 42 | 0.28 | 144 | 7 | 11S +0.75 | 448 |
| A | 80 | 43 | 0.34 | 88 | 9 | 11S +0.74 | 449 |
| A | 80 | 49 | 0.21 | 113 | 6 | 10S -0.63 | 450 |
| A | 80 | 51 | 0.25 | 101 | 7 | 10S -0.60 | 451 |
| A | 80 | 55 | 0.19 | 67 | 5 | 08S -0.72 | 452 |
| A | 80 | 58 | 0.3 | 126 | 8 | 08S -0.63 | 453 |
| A | 80 | 65 | 0.2 | 94 | 5 | 11S -0.76 | 454 |
| A | 80 | 66 | 0.33 | 100 | 8 | 07S -0.71 | 455 |
| A | 80 | 127 | 0.13 | 109 | 5 | 07S +0.68 | 456 |
| A | 80 | 130 | 0.5 | 136 | 12 | 11S -0.87 | 457 |
| A | 80 | 131 | 0.34 | 115 | 12 | 11S -0.81 | 458 |
| A | 81 | 4 | 0.17 | 82 | 5 | 10S -0.70 | 459 |
| A | 81 | 17 | 0.18 | 108 | 6 | 10S -0.71 | 460 |
| A | 81 | 18 | 0.38 | 113 | 9 | 10S -0.72 | 461 |
| A | 81 | 21 | 0.29 | 117 | 8 | 10S -0.82 | 462 |
| A | 81 | 22 | 0.38 | 116 | 10 | 10S -0.70 | 463 |
| A | 81 | 25 | 0.35 | 122 | 10 | 10S -0.65 | 464 |
| A | 81 | 26 | 0.31 | 108 | 8 | 10S -0.72 | 465 |
| A | 81 | 29 | 0.45 | 96 | 12 | 10S -0.65 | 466 |
| A | 81 | 30 | 0.38 | 90 | 10 | 10S -0.70 | 467 |
| A | 81 | 33 | 0.25 | 97 | 7 | 10S -0.67 | 468 |
| A | 81 | 34 | 0.32 | 106 | 8 | 10S -0.61 | 469 |
| A | 81 | 34 | 0.27 | 60 | 7 | 11S +0.70 | 469 |
| A | 81 | 37 | 0.35 | 43 | 10 | 10S -0.65 | 470 |
| A | 81 | 42 | 0.27 | 84 | 7 | 10S -0.63 | 471 |
| A | 81 | 46 | 0.31 | 120 | 8 | 10S -0.58 | 472 |
| A | 81 | 48 | 0.35 | 73 | 9 | 10S -0.63 | 473 |
| A | 81 | 51 | 0.38 | 83 | 10 | 08S -0.76 | 474 |
| A | 81 | 52 | 0.31 | 66 | 8 | 10S -0.65 | 475 |
| A | 81 | 53 | 0.34 | 119 | 9 | 08S -0.69 | 476 |
| A | 81 | 53 | 0.21 | 93 | 6 | 10S -0.60 | 476 |
| A | 81 | 55 | 0.28 | 102 | 8 | 08S -0.62 | 477 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 81 | 59 | 0.23 | 57 | 6 | 08S -0.74 | 478 |
| A | 81 | 63 | 0.18 | 46 | 5 | 09S -0.72 | 479 |
| A | 81 | 73 | 0.22 | 105 | 5 | 09S -0.80 | 480 |
| A | 81 | 84 | 0.3 | 156 | 8 | 04S +0.75 | 481 |
| A | 81 | 130 | 0.29 | 108 | 7 | 10S -0.81 | 482 |
| A | 81 | 130 | 0.44 | 108 | 10 | 11S -0.76 | 482 |
| A | 81 | 130 | 0.21 | 110 | 5 | 09S +0.64 | 482 |
| A | 81 | 130 | 0.11 | 83 | 3 | 08S -0.88 | 482 |
| A | 81 | 131 | 0.17 | 114 | 6 | 10S -0.77 | 483 |
| A | 82 | 13 | 0.15 | 123 | 4 | 11S -0.64 | 484 |
| A | 82 | 19 | 0.14 | 161 | 4 | 08S -0.73 | 485 |
| A | 82 | 43 | 0.33 | 90 | 9 | 08S -0.74 | 486 |
| A | 82 | 45 | 0.29 | 127 | 8 | 10S +0.72 | 487 |
| A | 82 | 50 | 0.27 | 88 | 8 | 10S +0.74 | 488 |
| A | 82 | 51 | 0.24 | 108 | 6 | 08S -0.65 | 489 |
| A | 82 | 52 | 0.23 | 117 | 7 | 10S +0.74 | 490 |
| A | 82 | 53 | 0.27 | 53 | 8 | 08S -0.74 | 491 |
| A | 82 | 53 | 0.38 | 91 | 11 | 10S +0.79 | 491 |
| A | 82 | 54 | 0.25 | 72 | 7 | 10S -0.69 | 492 |
| A | 82 | 54 | 0.18 | 74 | 6 | 10S +0.79 | 492 |
| A | 82 | 55 | 0.18 | 81 | 5 | 10S -0.65 | 493 |
| A | 82 | 58 | 0.37 | 84 | 10 | 10S +0.74 | 494 |
| A | 82 | 60 | 0.24 | 86 | 7 | 10S +0.74 | 495 |
| A | 82 | 90 | 0.34 | 24 | 10 | 04S +0.69 | 496 |
| A | 82 | 94 | 0.28 | 95 | 8 | 04S +0.69 | 497 |
| A | 82 | 127 | 0.19 | 102 | 7 | 07S +0.26 | 498 |
| A | 82 | 128 | 0.33 | 120 | 9 | 09S +0.22 | 499 |
| A | 82 | 129 | 0.6 | 122 | 14 | 11S -0.84 | 500 |
| A | 83 | 13 | 0.29 | 92 | 7 | 11S -0.74 | 501 |
| A | 83 | 19 | 0.17 | 100 | 5 | 08S -0.79 | 502 |
| A | 83 | 22 | 0.26 | 132 | 8 | 08S -0.82 | 503 |
| A | 83 | 23 | 0.16 | 96 | 5 | 08S -0.82 | 504 |
| A | 83 | 26 | 0.47 | 100 | 12 | 08S -0.78 | 505 |
| A | 83 | 30 | 0.5 | 54 | 13 | 10S -0.69 | 506 |
| A | 83 | 53 | 0.43 | 116 | 12 | 10S +0.71 | 507 |
| A | 83 | 54 | 0.4 | 90 | 11 | 10S +0.79 | 508 |
| A | 83 | 59 | 0.2 | 79 | 6 | 10S -0.62 | 509 |
| A | 83 | 61 | 0.26 | 97 | 8 | 10S -0.60 | 510 |
| A | 83 | 63 | 0.24 | 86 | 7 | 09S +0.76 | 511 |
| A | 83 | 67 | 0.2 | 108 | 5 | 08S -0.78 | 512 |
| A | 83 | 73 | 0.47 | 46 | 10 | 08S -0.78 | 513 |
| A | 83 | 131 | 0.26 | 114 | 10 | 10S -0.70 | 514 |
| A | 83 | 131 | 0.2 | 88 | 7 | 11S -0.79 | 514 |
| A | 84 | 7 | 0.16 | 104 | 4 | 11S +0.75 | 515 |
| A | 84 | 13 | 0.22 | 116 | 6 | 07S -0.81 | 516 |
| A | 84 | 15 | 0.13 | 99 | 4 | 08S -0.79 | 517 |
| A | 84 | 26 | 0.31 | 85 | 9 | 10S -0.69 | 518 |
| A | 84 | 29 | 0.16 | 70 | 4 | 08S -0.82 | 519 |
| A | 84 | 39 | 0.18 | 71 | 5 | 10S -0.75 | 520 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| A | 84 | 48 | 0.29 | 58 | 8 | 08S -0.74 | 521 |
| A | 84 | 51 | 0.58 | 90 | 14 | 10S -0.65 | 522 |
| A | 84 | 54 | 0.36 | 88 | 10 | 10S -0.65 | 523 |
| A | 84 | 56 | 0.41 | 87 | 12 | 10S -0.63 | 524 |
| A | 84 | 59 | 0.48 | 104 | 13 | 10S -0.67 | 525 |
| A | 84 | 59 | 0.24 | 78 | 7 | 10S +0.79 | 525 |
| A | 84 | 60 | 0.42 | 92 | 12 | 10S -0.60 | 526 |
| A | 84 | 60 | 0.21 | 64 | 6 | 10S +0.76 | 526 |
| A | 84 | 61 | 0.31 | 109 | 9 | 10S -0.58 | 527 |
| A | 84 | 62 | 0.27 | 72 | 8 | 10S -0.72 | 528 |
| A | 84 | 66 | 0.33 | 95 | 7 | 07S -0.74 | 529 |
| A | 84 | 82 | 0.72 | 116 | 16 | 04S +0.67 | 530 |
| A | 84 | 131 | 0.14 | 130 | 6 | 11S -0.81 | 531 |
| A | 85 | 9 | 0.39 | 107 | 10 | 08S -0.75 | 532 |
| A | 85 | 9 | 0.08 | 43 | 2 | 10S -0.68 | 532 |
| A | 85 | 18 | 0.22 | 83 | 6 | 10S -0.69 | 533 |
| A | 85 | 21 | 0.33 | 85 | 9 | 10S -0.83 | 534 |
| A | 85 | 25 | 0.32 | 58 | 9 | 10S -0.71 | 535 |
| A | 85 | 27 | 0.45 | 118 | 12 | 10S -0.76 | 536 |
| A | 85 | 28 | 0.31 | 77 | 8 | 10S -0.71 | 537 |
| A | 85 | 29 | 0.22 | 103 | 6 | 08S -0.11 | 538 |
| A | 85 | 31 | 0.34 | 80 | 9 | 10S -0.74 | 539 |
| A | 85 | 33 | 0.35 | 64 | 10 | 10S -0.78 | 540 |
| A | 85 | 49 | 0.41 | 97 | 11 | 10S +0.72 | 541 |
| A | 85 | 50 | 0.39 | 81 | 11 | 10S +0.72 | 542 |
| A | 85 | 51 | 0.32 | 68 | 9 | 10S -0.70 | 543 |
| A | 85 | 52 | 0.34 | 114 | 10 | 10S -0.60 | 544 |
| A | 85 | 53 | 0.18 | 70 | 5 | 10S +0.81 | 545 |
| A | 85 | 57 | 0.2 | 39 | 6 | 10S +0.79 | 546 |
| A | 85 | 62 | 0.35 | 83 | 10 | 10S -0.65 | 547 |
| A | 85 | 93 | 0.24 | 104 | 6 | 04S +0.70 | 548 |
| A | 86 | 40 | 0.36 | 71 | 10 | 10S -0.71 | 549 |
| A | 86 | 45 | 0.26 | 77 | 7 | 10S -0.63 | 550 |
| A | 86 | 49 | 0.26 | 83 | 7 | 10S -0.65 | 551 |
| A | 86 | 51 | 0.36 | 88 | 10 | 10S -0.65 | 552 |
| A | 86 | 52 | 0.35 | 90 | 10 | 10S -0.60 | 553 |
| A | 86 | 130 | 0.15 | 125 | 4 | 08S +0.62 | 554 |
| A | 86 | 131 | 0.35 | 138 | 10 | 11S -0.82 | 555 |
| A | 87 | 17 | 0.35 | 73 | 9 | 10S -0.67 | 556 |
| A | 87 | 26 | 0.2 | 96 | 5 | 05S -0.77 | 557 |
| A | 87 | 35 | 1.23 | 86 | 24 | 10S -0.69 | 558 |
| A | 87 | 36 | 0.53 | 81 | 13 | 10S -0.71 | 559 |
| A | 87 | 38 | 0.36 | 83 | 10 | 10S -0.73 | 560 |
| A | 87 | 39 | 0.38 | 75 | 10 | 10S -0.69 | 561 |
| A | 87 | 39 | 0.27 | 99 | 8 | 09S -0.82 | 561 |
| A | 87 | 83 | 0.34 | 183 | 10 | 04S +0.71 | 562 |
| A | 87 | 122 | 0.22 | 110 | 6 | 07S +0.64 | 563 |
| A | 87 | 130 | 0.35 | 154 | 10 | 11S -0.86 | 564 |
| A | 87 | 130 | 0.28 | 121 | 8 | 10S -0.69 | 564 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 88 | 6 | 0.32 | 85 | 9 | 08S -0.73 | 565 |
| A | 88 | 25 | 0.18 | 85 | 5 | 10S -0.73 | 566 |
| A | 88 | 27 | 0.16 | 61 | 4 | 10S -0.71 | 567 |
| A | 88 | 30 | 0.28 | 94 | 8 | 10S -0.76 | 568 |
| A | 88 | 34 | 0.84 | 76 | 19 | 10S -0.71 | 569 |
| A | 88 | 53 | 0.7 | 83 | 18 | 09S +0.77 | 570 |
| A | 88 | 61 | 0.2 | 61 | 6 | 08S +0.83 | 571 |
| A | 88 | 129 | 0.32 | 115 | 9 | 08S -0.71 | 572 |
| A | 89 | 26 | 0.23 | 65 | 6 | 10S -0.69 | 573 |
| A | 89 | 73 | 0.25 | 60 | 5 | 04S +0.63 | 574 |
| A | 89 | 106 | 0.39 | 73 | 10 | 06S -0.16 | 575 |
| A | 89 | 106 | 0.23 | 142 | 6 | 05S -0.82 | 575 |
| A | 89 | 128 | 0.39 | 133 | 11 | 07S -0.80 | 576 |
| A | 89 | 130 | 0.21 | 126 | 6 | 11S -0.79 | 577 |
| A | 90 | 9 | 0.7 | 112 | 17 | 08S -0.77 | 578 |
| A | 90 | 82 | 0.26 | 110 | 8 | 04S +0.73 | 579 |
| A | 91 | 29 | 0.21 | 88 | 6 | 01S -0.75 | 580 |
| A | 92 | 16 | 0.34 | 103 | 10 | 06S +0.73 | 581 |
| A | 92 | 57 | 0.21 | 130 | 5 | 06S +0.77 | 582 |
| A | 92 | 89 | 0.35 | 17 | 9 | 04S +0.63 | 583 |
| A | 92 | 92 | 0.37 | 80 | 10 | 04S +0.69 | 584 |
| A | 92 | 112 | 0.38 | 128 | 10 | 06S +0.64 | 585 |
| A | 92 | 127 | 0.51 | 99 | 13 | 04S +0.66 | 586 |
| A | 93 | 81 | 0.34 | 191 | 10 | 04S +0.71 | 587 |
| A | 93 | 88 | 0.3 | 82 | 8 | 04S +0.66 | 588 |
| A | 94 | 6 | 0.17 | 104 | 5 | 07S -0.73 | 589 |
| A | 94 | 46 | 0.16 | 103 | 5 | 07S -0.72 | 590 |
| A | 94 | 75 | 0.47 | 149 | 12 | 04S +0.65 | 591 |
| A | 94 | 83 | 0.39 | 147 | 10 | 04S +0.70 | 592 |
| A | 94 | 126 | 0.34 | 158 | 10 | 08S -0.80 | 593 |
| A | 94 | 128 | 0.31 | 130 | 9 | 08S -0.78 | 594 |
| A | 94 | 128 | 0.27 | 75 | 8 | 04S +0.65 | 594 |
| A | 94 | 129 | 0.62 | 83 | 16 | 08S -0.73 | 595 |
| A | 94 | 129 | 0.25 | 100 | 7 | 11S -0.79 | 595 |
| A | 95 | 2 | 0.39 | 174 | 11 | 11S +0.71 | 596 |
| A | 95 | 6 | 0.31 | 128 | 9 | 07S -0.79 | 597 |
| A | 95 | 7 | 0.23 | 134 | 6 | 07S -0.77 | 598 |
| A | 95 | 63 | 0.32 | 148 | 8 | 09S -0.77 | 599 |
| A | 95 | 74 | 0.51 | 161 | 13 | 04S +0.67 | 600 |
| A | 95 | 87 | 0.31 | 45 | 8 | 04S +0.69 | 601 |
| A | 95 | 122 | 0.39 | 139 | 11 | 09S -0.82 | 602 |
| A | 95 | 123 | 0.3 | 131 | 8 | 09S -0.79 | 603 |
| A | 95 | 125 | 0.32 | 64 | 9 | 04S +0.64 | 604 |
| A | 96 | 70 | 0.45 | 71 | 9 | 04S +0.69 | 605 |
| A | 96 | 123 | 0.16 | 75 | 5 | 07S -0.81 | 606 |
| A | 96 | 127 | 0.3 | 89 | 9 | 10S -0.77 | 607 |
| A | 97 | 118 | 0.2 | 48 | 6 | 03S +0.71 | 608 |
| A | 97 | 123 | 0.4 | 131 | 11 | 09S -0.73 | 609 |
| A | 97 | 123 | 0.26 | 137 | 8 | 08S -0.84 | 609 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| A | 98 | 99 | 0.38 | 93 | 10 | 07S +0.47 | 610 |
| A | 98 | 125 | 0.21 | 80 | 6 | 09S -0.85 | 611 |
| A | 99 | 95 | 0.15 | 81 | 4 | 04S +0.70 | 612 |
| A | 100 | 7 | 0.39 | 120 | 11 | 07S -0.81 | 613 |
| A | 101 | 7 | 0.33 | 88 | 9 | 07S -0.79 | 614 |
| A | 101 | 55 | 0.2 | 142 | 6 | 05S -0.77 | 615 |
| A | 101 | 79 | 0.72 | 67 | 20 | 04S +0.72 | 616 |
| A | 101 | 122 | 0.43 | 38 | 12 | 09S -0.80 | 617 |
| A | 102 | 8 | 0.34 | 123 | 10 | 07S -0.79 | 618 |
| A | 102 | 20 | 0.4 | 141 | 11 | 07S -0.78 | 619 |
| A | 102 | 121 | 0.25 | 112 | 7 | 04S -0.81 | 620 |
| A | 102 | 123 | 0.46 | 47 | 12 | 10S -0.74 | 621 |
| A | 103 | 4 | 0.11 | 102 | 3 | 07S -0.73 | 622 |
| A | 103 | 5 | 0.41 | 102 | 11 | 07S -0.77 | 623 |
| A | 103 | 8 | 0.3 | 154 | 8 | 07S -0.73 | 624 |
| A | 103 | 17 | 0.15 | 128 | 5 | 07S -0.82 | 625 |
| A | 104 | 4 | 0.33 | 120 | 9 | 07S -0.77 | 626 |
| A | 104 | 73 | 0.54 | 141 | 16 | 04S +0.70 | 627 |
| A | 104 | 121 | 0.25 | 116 | 7 | 11S -0.85 | 628 |
| A | 105 | 5 | 0.49 | 110 | 13 | 07S -0.77 | 629 |
| A | 105 | 6 | 0.11 | 111 | 3 | 07S -0.86 | 630 |
| A | 105 | 36 | 0.15 | 112 | 4 | 07S -0.78 | 631 |
| A | 105 | 85 | 0.26 | 48 | 7 | 15S +0.74 | 632 |
| A | 105 | 86 | 0.42 | 164 | 14 | 11S +0.75 | 633 |
| A | 105 | 119 | 0.24 | 81 | 7 | 14S +0.71 | 634 |
| A | 105 | 119 | 0.25 | 85 | 7 | 12S +0.78 | 634 |
| A | 106 | 4 | 0.18 | 146 | 5 | 07S -0.77 | 635 |
| A | 106 | 7 | 0.47 | 129 | 12 | 07S -0.75 | 636 |
| A | 106 | 18 | 0.2 | 114 | 6 | 07S -0.84 | 637 |
| A | 106 | 86 | 0.22 | 111 | 6 | 04S +0.70 | 638 |
| A | 106 | 117 | 0.37 | 124 | 10 | 10S -0.74 | 639 |
| A | 106 | 117 | 0.33 | 104 | 9 | 10S +0.63 | 639 |
| A | 106 | 119 | 0.56 | 134 | 14 | 11S +0.66 | 640 |
| A | 107 | 15 | 0.39 | 111 | 11 | 14S -0.84 | 641 |
| A | 107 | 31 | 0.27 | 65 | 8 | 09S +0.69 | 642 |
| A | 107 | 31 | 0.26 | 103 | 8 | 03S +0.66 | 642 |
| A | 107 | 42 | 0.17 | 125 | 5 | 05S -0.74 | 643 |
| A | 107 | 76 | 0.63 | 39 | 18 | 04S +0.66 | 644 |
| A | 107 | 97 | 0.54 | 126 | 13 | 14S -0.84 | 645 |
| A | 108 | 20 | 0.45 | 139 | 12 | 07S -0.82 | 646 |
| A | 108 | 67 | 0.32 | 108 | 11 | 03S -0.87 | 647 |
| A | 108 | 111 | 0.19 | 52 | 5 | 04S -0.76 | 648 |
| A | 109 | 75 | 0.21 | 33 | 6 | 04S +0.70 | 649 |
| A | 109 | 98 | 0.48 | 127 | 12 | 07S -0.82 | 650 |
| A | 109 | 117 | 0.38 | 123 | 10 | 10S -0.82 | 651 |
| A | 111 | 4 | 0.52 | 147 | 14 | 08S +0.73 | 652 |
| A | 111 | 48 | 0.33 | 88 | 9 | 05S -0.72 | 653 |
| A | 112 | 93 | 0.41 | 113 | 11 | 15S -0.81 | 654 |
| A | 112 | 94 | 0.24 | 84 | 6 | 03S +0.69 | 655 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 112 | 115 | 0.37 | 67 | 10 | 10S -0.72 | 656 |
| A | 113 | 49 | 0.22 | 59 | 6 | 05S -0.69 | 657 |
| A | 113 | 72 | 0.44 | 104 | 14 | 04S +0.70 | 658 |
| A | 113 | 105 | 0.32 | 144 | 8 | 09S -0.84 | 659 |
| A | 113 | 111 | 0.25 | 93 | 7 | 07S -0.74 | 660 |
| A | 114 | 22 | 0.32 | 144 | 9 | 05S -0.80 | 661 |
| A | 114 | 39 | 0.17 | 72 | 5 | 05S -0.73 | 662 |
| A | 114 | 109 | 0.3 | 114 | 8 | 07S -0.72 | 663 |
| A | 115 | 6 | 0.37 | 108 | 10 | 07S -0.73 | 664 |
| A | 115 | 15 | 0.18 | 128 | 5 | 05S -0.82 | 665 |
| A | 115 | 28 | 0.22 | 104 | 7 | 05S -0.75 | 666 |
| A | 115 | 43 | 0.18 | 97 | 5 | 05S -0.74 | 667 |
| A | 115 | 47 | 0.3 | 97 | 8 | 05S -0.77 | 668 |
| A | 115 | 50 | 0.29 | 82 | 8 | 05S -0.71 | 669 |
| A | 115 | 63 | 0.19 | 81 | 5 | 05S -0.79 | 670 |
| A | 115 | 98 | 0.39 | 79 | 10 | 09S -0.89 | 671 |
| A | 116 | 5 | 0.12 | 128 | 4 | 08S +0.75 | 672 |
| A | 116 | 6 | 0.25 | 83 | 8 | 07S -0.68 | 673 |
| A | 116 | 21 | 0.26 | 128 | 7 | 05S -0.78 | 674 |
| A | 117 | 1 | 0.18 | 77 | 5 | 08S +0.81 | 675 |
| A | 117 | 24 | 0.18 | 65 | 5 | 05S -0.76 | 676 |
| A | 117 | 34 | 0.53 | 129 | 14 | 05S -0.80 | 677 |
| A | 118 | 87 | 0.19 | 77 | 5 | 10S -0.66 | 678 |
| A | 118 | 98 | 0.31 | 70 | 8 | 05S -0.86 | 679 |
| A | 118 | 101 | 0.35 | 139 | 9 | 07S -0.75 | 680 |
| A | 119 | 2 | 0.22 | 71 | 6 | 10S -0.44 | 681 |
| A | 119 | 3 | 0.24 | 130 | 7 | 08S +0.75 | 682 |
| A | 119 | 70 | 0.1 | 90 | 3 | 04S +0.68 | 683 |
| A | 119 | 89 | 0.28 | 93 | 7 | 15S +0.77 | 684 |
| A | 119 | 102 | 0.49 | 65 | 12 | 07S -0.79 | 685 |
| A | 119 | 108 | 0.36 | 30 | 10 | 10S -0.80 | 686 |
| A | 120 | 1 | 0.33 | 94 | 9 | 08S +0.79 | 687 |
| A | 120 | 2 | 0.25 | 134 | 7 | 13S -0.80 | 688 |
| A | 120 | 107 | 0.41 | 159 | 11 | 10S +0.67 | 689 |
| A | 121 | 2 | 0.23 | 129 | 7 | 08S +0.70 | 690 |
| A | 121 | 32 | 0.23 | 128 | 6 | 05S -0.76 | 691 |
| A | 121 | 41 | 0.21 | 92 | 6 | 05S -0.72 | 692 |
| A | 121 | 73 | 0.16 | 91 | 5 | 08S +0.68 | 693 |
| A | 121 | 94 | 0.28 | 107 | 7 | 09S -0.82 | 694 |
| A | 121 | 105 | 0.45 | 50 | 12 | 10S +0.53 | 695 |
| A | 122 | 1 | 0.19 | 91 | 5 | 11S -0.76 | 696 |
| A | 122 | 61 | 0.15 | 61 | 4 | 04S +0.68 | 697 |
| A | 122 | 93 | 0.21 | 321 | 4 | 15S -0.83 | 698 |
| A | 122 | 102 | 0.28 | 38 | 8 | 08S +0.07 | 699 |
| A | 122 | 103 | 0.5 | 135 | 13 | 10S -0.76 | 700 |
| A | 122 | 104 | 0.39 | 115 | 11 | 09S +0.69 | 701 |
| A | 123 | 1 | 0.21 | 79 | 6 | 08S +0.75 | 702 |
| A | 123 | 1 | 0.47 | 113 | 12 | 11S -0.79 | 702 |
| A | 123 | 1 | 0.23 | 103 | 6 | 12S +0.68 | 702 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 123 | 76 | 0.18 | 96 | 5 | 15S -0.79 | 703 |
| A | 123 | 92 | 0.22 | 139 | 6 | 15S -0.84 | 704 |
| A | 123 | 102 | 0.32 | 124 | 9 | 10S -0.80 | 705 |
| A | 125 | 25 | 0.27 | 142 | 7 | 08S -0.76 | 706 |
| A | 125 | 26 | 0.2 | 77 | 5 | 08S -0.74 | 707 |
| A | 125 | 29 | 0.31 | 82 | 8 | 08S -0.76 | 708 |
| A | 125 | 44 | 0.21 | 107 | 6 | 07S -0.74 | 709 |
| A | 125 | 63 | 0.33 | 41 | 11 | 08S +0.73 | 710 |
| A | 125 | 74 | 0.12 | 125 | 4 | 15S -0.83 | 711 |
| A | 125 | 75 | 0.23 | 115 | 8 | 15S -0.89 | 712 |
| A | 125 | 80 | 0.46 | 50 | 11 | 04S +0.66 | 713 |
| A | 125 | 100 | 0.46 | 34 | 12 | 08S +0.67 | 714 |
| A | 125 | 100 | 0.3 | 32 | 8 | 09S +0.76 | 714 |
| A | 126 | 92 | 0.44 | 102 | 11 | 07S -0.70 | 715 |
| A | 126 | 92 | 0.2 | 106 | 5 | 09S -0.75 | 715 |
| A | 127 | 45 | 0.19 | 126 | 5 | 05S -0.76 | 716 |
| A | 127 | 60 | 0.21 | 93 | 7 | 09S +0.69 | 717 |
| A | 127 | 71 | 0.39 | 83 | 11 | 09S +0.71 | 718 |
| A | 128 | 95 | 0.16 | 126 | 4 | 12S +0.58 | 719 |
| A | 129 | 3 | 0.77 | 75 | 17 | 12S +0.62 | 720 |
| A | 129 | 33 | 0.21 | 76 | 6 | 05S -0.72 | 721 |
| A | 129 | 77 | 0.3 | 141 | 8 | 04S +0.73 | 722 |
| A | 130 | 87 | 0.18 | 107 | 5 | 07S -0.77 | 723 |
| A | 131 | 72 | 0.64 | 157 | 15 | 07S +0.73 | 724 |
| A | 131 | 84 | 0.51 | 121 | 13 | 07S -0.82 | 725 |
| A | 132 | 2 | 0.37 | 40 | 9 | 10S -0.67 | 726 |
| A | 132 | 13 | 0.34 | 135 | 9 | 12S -0.80 | 727 |
| A | 132 | 15 | 0.43 | 133 | 11 | 14S -0.78 | 728 |
| A | 132 | 32 | 0.27 | 100 | 8 | 15S +0.65 | 729 |
| A | 132 | 80 | 0.3 | 142 | 8 | 09S +0.69 | 730 |
| A | 132 | 80 | 0.45 | 143 | 11 | 07S -0.77 | 730 |
| A | 133 | 1 | 0.16 | 103 | 5 | 10S -0.69 | 731 |
| A | 133 | 2 | 0.36 | 106 | 10 | 10S -0.78 | 732 |
| A | 133 | 3 | 0.51 | 103 | 12 | 10S -0.75 | 733 |
| A | 133 | 19 | 0.28 | 104 | 7 | 11S -0.42 | 734 |
| A | 134 | 3 | 0.83 | 92 | 21 | 12S +0.62 | 735 |
| A | 134 | 85 | 0.13 | 68 | 5 | 10S +0.53 | 736 |
| A | 135 | 71 | 0.64 | 108 | 20 | 09S -0.77 | 737 |
| A | 135 | 72 | 0.37 | 117 | 10 | 09S +0.69 | 738 |
| A | 136 | 4 | 0.46 | 108 | 11 | 10S -0.78 | 739 |
| A | 136 | 10 | 0.28 | 104 | 8 | 08S -0.73 | 740 |
| A | 136 | 10 | 0.35 | 124 | 9 | 05S -0.81 | 740 |
| A | 136 | 15 | 0.26 | 161 | 7 | 08S +0.75 | 741 |
| A | 136 | 80 | 0.17 | 85 | 6 | 08S -0.66 | 742 |
| A | 137 | 1 | 0.4 | 107 | 11 | 09S +0.73 | 743 |
| A | 137 | 3 | 0.46 | 107 | 11 | 10S -0.80 | 744 |
| A | 137 | 11 | 0.45 | 95 | 11 | 08S -0.76 | 745 |
| A | 137 | 14 | 0.12 | 101 | 4 | 08S -0.71 | 746 |
| A | 137 | 17 | 0.44 | 161 | 12 | 08S +0.69 | 747 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|------------------|
| A | 138 | 2 | 0.29 | 115 | 8 | 10S -0.82 | 748 |
| A | 138 | 2 | 0.33 | 151 | 8 | 09S -0.78 | 748 |
| A | 138 | 8 | 0.35 | 130 | 9 | 09S -0.87 | 749 |
| A | 138 | 26 | 0.28 | 126 | 7 | 06S +0.81 | 750 |
| A | 138 | 68 | 0.06 | 98 | 2 | 04S +0.62 | 751 |
| A | 138 | 74 | 0.28 | 87 | 8 | 12S +0.69 | 752 |
| A | 139 | 2 | 0.35 | 106 | 10 | 10S -0.74 | 753 |
| A | 139 | 3 | 0.24 | 144 | 6 | 08S +0.78 | 754 |
| A | 139 | 3 | 0.51 | 122 | 12 | 10S -0.82 | 754 |
| A | 139 | 4 | 0.17 | 132 | 5 | 10S -0.78 | 755 |
| A | 139 | 5 | 0.27 | 112 | 7 | 09S +0.62 | 756 |
| A | 139 | 13 | 0.39 | 152 | 11 | 08S +0.69 | 757 |
| A | 139 | 16 | 0.43 | 151 | 12 | 11S -0.87 | 758 |
| A | 139 | 47 | 0.26 | 81 | 7 | 09S +0.62 | 759 |
| A | 139 | 62 | 0.68 | 146 | 17 | 11S -0.83 | 760 |
| A | 140 | 2 | 0.66 | 97 | 15 | 10S -0.80 | 761 |
| A | 140 | 2 | 0.4 | 134 | 10 | 08S +0.78 | 761 |
| A | 140 | 3 | 0.52 | 95 | 14 | 10S -0.71 | 762 |
| A | 140 | 14 | 0.28 | 154 | 7 | 08S +0.81 | 763 |
| A | 140 | 52 | 0.3 | 90 | 8 | 06S -0.02 | 764 |
| A | 141 | 2 | 0.93 | 97 | 19 | 10S -0.79 | 765 |
| A | 141 | 3 | 0.37 | 106 | 11 | 10S -0.69 | 766 |
| A | 141 | 47 | 0.58 | 94 | 15 | 09S +0.65 | 767 |
| A | 143 | 16 | 0.28 | 147 | 7 | 09S -0.79 | 768 |
| A | 143 | 43 | 0.24 | 109 | 7 | 07S -0.66 | 769 |
| A | 143 | 46 | 0.34 | 62 | 10 | 07S -0.74 | 770 |
| A | 143 | 47 | 0.29 | 108 | 8 | 07S -0.79 | 771 |
| A | 143 | 48 | 0.44 | 61 | 12 | 07S -0.75 | 772 |
| A | 143 | 50 | 0.4 | 113 | 11 | 06S +0.67 | 773 |
| A | 143 | 57 | 0.49 | 127 | 13 | 09S +0.69 | 774 |
| A | 144 | 14 | 0.26 | 131 | 7 | 07S -0.67 | 775 |
| A | 144 | 22 | 0.2 | 69 | 5 | 07S -0.69 | 776 |
| A | 144 | 24 | 0.29 | 120 | 8 | 07S -0.80 | 777 |
| A | 144 | 25 | 0.29 | 130 | 8 | 07S -0.62 | 778 |
| A | 145 | 2 | 0.24 | 141 | 6 | 10S -0.70 | 779 |
| A | 145 | 9 | 0.19 | 188 | 5 | 09S -0.74 | 780 |
| A | 145 | 12 | 0.19 | 111 | 5 | 07S -0.76 | 781 ⁺ |
| A | 145 | 15 | 0.33 | 101 | 8 | 15S -0.81 | 782 |
| A | 145 | 16 | 0.31 | 135 | 8 | 07S -0.67 | 783 |
| A | 145 | 20 | 0.27 | 123 | 8 | 07S -0.62 | 784 |
| A | 145 | 25 | 0.27 | 26 | 8 | 05S -0.76 | 785 |
| A | 145 | 26 | 0.2 | 99 | 6 | 07S +0.67 | 786 |
| A | 145 | 31 | 0.23 | 138 | 7 | 07S -0.90 | 787 |
| A | 145 | 32 | 0.2 | 83 | 6 | 07S -0.73 | 788 |
| A | 145 | 33 | 0.21 | 99 | 6 | 07S -0.73 | 789 |
| A | 145 | 42 | 0.31 | 98 | 9 | 11S -0.80 | 790 |
| A | 145 | 42 | 0.3 | 86 | 8 | 08S -0.60 | 790 |
| A | 145 | 47 | 0.36 | 36 | 10 | 05S -0.87 | 791 |
| A | 145 | 52 | 0.67 | 96 | 16 | 12S +0.69 | 792 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 146 | 4 | 0.32 | 145 | 9 | 08S +0.80 | 793 |
| A | 146 | 5 | 0.29 | 115 | 8 | 09S +0.65 | 794 |
| A | 146 | 7 | 0.61 | 118 | 15 | 08S +0.80 | 795 |
| A | 146 | 7 | 0.36 | 66 | 10 | 08S -0.74 | 795 |
| A | 146 | 7 | 0.35 | 111 | 10 | 07S +0.74 | 795 |
| A | 146 | 8 | 0.3 | 135 | 8 | 08S +0.76 | 796 |
| A | 146 | 11 | 0.24 | 100 | 6 | 07S -0.71 | 797 |
| A | 146 | 15 | 0.24 | 88 | 6 | 07S +0.78 | 798 |
| A | 146 | 15 | 0.33 | 98 | 8 | 08S +0.83 | 798 |
| A | 146 | 16 | 0.23 | 121 | 6 | 07S -0.63 | 799 |
| A | 146 | 18 | 0.29 | 114 | 8 | 08S -0.55 | 800 |
| A | 146 | 21 | 0.47 | 87 | 11 | 07S -0.65 | 801 |
| A | 146 | 22 | 0.56 | 105 | 14 | 07S -0.60 | 802 |
| A | 146 | 23 | 0.22 | 112 | 6 | 07S -0.63 | 803 |
| A | 146 | 25 | 0.39 | 83 | 11 | 07S -0.80 | 804 |
| A | 146 | 26 | 0.39 | 110 | 11 | 07S -0.79 | 805 |
| A | 146 | 29 | 0.45 | 117 | 12 | 07S -0.71 | 806 |
| A | 146 | 34 | 0.48 | 110 | 13 | 08S -0.66 | 807 |
| A | 146 | 38 | 0.21 | 99 | 6 | 07S -0.73 | 808 |
| A | 146 | 49 | 0.34 | 111 | 10 | 10S -0.67 | 809 |
| A | 146 | 50 | 0.45 | 113 | 12 | 10S -0.69 | 810 |
| A | 147 | 2 | 0.11 | 105 | 3 | 09S +0.72 | 811 |
| A | 147 | 2 | 0.14 | 61 | 4 | 07S +0.82 | 811 |
| A | 147 | 13 | 0.3 | 100 | 9 | 07S -0.73 | 812 |
| A | 147 | 14 | 0.24 | 95 | 6 | 08S -0.63 | 813 |
| A | 147 | 15 | 0.32 | 113 | 9 | 07S -0.60 | 814 |
| A | 147 | 16 | 0.31 | 102 | 8 | 07S -0.65 | 815 |
| A | 147 | 18 | 0.22 | 48 | 6 | 08S -0.58 | 816 |
| A | 147 | 20 | 0.26 | 114 | 8 | 08S -0.58 | 817 |
| A | 147 | 30 | 0.38 | 111 | 10 | 12S +0.67 | 818 |
| A | 147 | 31 | 0.29 | 110 | 8 | 08S -0.68 | 819 |
| A | 148 | 1 | 0.21 | 128 | 6 | 08S -0.64 | 820 |
| A | 148 | 1 | 0.17 | 107 | 5 | 07S -0.69 | 820 |
| A | 148 | 2 | 0.27 | 130 | 8 | 14S -0.02 | 821 |
| A | 148 | 3 | 0.42 | 93 | 12 | 11S +0.62 | 822 |
| A | 148 | 3 | 0.15 | 106 | 5 | 07S +0.80 | 822 |
| A | 148 | 4 | 0.4 | 132 | 11 | 10S -0.90 | 823 |
| A | 148 | 6 | 0.34 | 157 | 10 | 10S -0.87 | 824 |
| A | 148 | 10 | 0.38 | 149 | 10 | 08S +0.80 | 825 |
| A | 148 | 13 | 0.4 | 140 | 11 | 07S +0.76 | 826 |
| A | 148 | 14 | 0.34 | 142 | 9 | 07S +0.81 | 827 |
| A | 148 | 15 | 0.29 | 103 | 8 | 07S -0.60 | 828 |
| A | 148 | 19 | 0.18 | 135 | 5 | 08S -0.60 | 829 |
| A | 148 | 22 | 0.19 | 94 | 5 | 08S -0.68 | 830 |
| A | 148 | 23 | 0.3 | 143 | 8 | 12S -0.84 | 831 |
| A | 148 | 36 | 0.45 | 87 | 12 | 10S -0.80 | 832 |
| A | 149 | 3 | 0.34 | 118 | 10 | 14S -0.89 | 833 |
| A | 149 | 6 | 0.42 | 129 | 12 | 07S +0.76 | 834 |
| A | 149 | 8 | 0.26 | 127 | 7 | 07S +0.76 | 835 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| A | 149 | 10 | 0.18 | 143 | 5 | 07S +0.78 | 836 |
| A | 149 | 11 | 0.6 | 87 | 14 | 08S -0.79 | 837 |
| A | 149 | 12 | 0.31 | 100 | 9 | 10S +0.69 | 838 |
| A | 149 | 12 | 0.3 | 123 | 8 | 08S -0.58 | 838 |
| A | 149 | 14 | 0.57 | 93 | 15 | 10S -0.72 | 839 |
| A | 149 | 15 | 0.36 | 88 | 9 | 10S -0.58 | 840 |
| A | 149 | 19 | 0.64 | 101 | 16 | 10S -0.80 | 841 |
| A | 149 | 19 | 0.34 | 114 | 9 | 12S -0.73 | 841 |
| A | 149 | 20 | 0.57 | 107 | 14 | 10S -0.76 | 842 |
| A | 149 | 21 | 0.49 | 101 | 12 | 10S -0.73 | 843 |
| A | 149 | 28 | 0.76 | 85 | 18 | 10S -0.66 | 844 |
| A | 150 | 7 | 0.53 | 86 | 13 | 10S -0.74 | 845 |
| A | 150 | 10 | 0.51 | 112 | 13 | 10S -0.76 | 846 |
| A | 150 | 11 | 0.29 | 96 | 7 | 10S -0.65 | 847 |
| A | 150 | 14 | 0.41 | 98 | 11 | 10S -0.82 | 848 |
| A | 150 | 15 | 0.76 | 103 | 17 | 10S -0.75 | 849 |
| A | 150 | 16 | 0.66 | 94 | 16 | 10S -0.84 | 850 |
| A | 150 | 17 | 0.47 | 117 | 12 | 10S -0.69 | 851 |
| A | 150 | 18 | 0.51 | 104 | 13 | 10S -0.62 | 852 |
| A | 150 | 19 | 0.4 | 92 | 11 | 10S -0.47 | 853 |
| | | | | | | | |
| B | 1 | 5 | 0.2 | 89 | 6 | 10S -0.11 | 1 |
| B | 1 | 14 | 0.23 | 92 | 8 | 09S +0.84 | 2 |
| B | 1 | 15 | 0.19 | 103 | 5 | 13S -0.82 | 3 |
| B | 2 | 7 | 0.4 | 120 | 8 | 11S +0.60 | 4 |
| B | 2 | 10 | 0.42 | 138 | 12 | 09S -0.62 | 5 |
| B | 2 | 13 | 0.25 | 89 | 6 | 09S -0.74 | 6 |
| B | 2 | 20 | 0.45 | 112 | 14 | 10S -0.57 | 7 |
| B | 2 | 21 | 0.73 | 105 | 16 | 10S -0.66 | 8 |
| B | 2 | 22 | 0.36 | 64 | 12 | 10S -0.62 | 9 |
| B | 2 | 23 | 0.39 | 144 | 10 | 10S -0.76 | 10 |
| B | 2 | 25 | 0.28 | 60 | 7 | 08S -0.72 | 11 |
| B | 2 | 25 | 0.3 | 95 | 8 | 10S -0.87 | 11 |
| B | 2 | 25 | 0.12 | 322 | 3 | 11S -0.81 | 11 |
| B | 2 | 26 | 0.27 | 127 | 9 | 08S -0.63 | 12 |
| B | 2 | 26 | 0.28 | 108 | 10 | 10S -0.57 | 12 |
| B | 2 | 27 | 0.25 | 82 | 9 | 07S -0.68 | 13 |
| B | 2 | 27 | 0.3 | 113 | 10 | 09S +0.73 | 13 |
| B | 2 | 27 | 0.34 | 104 | 11 | 10S -0.57 | 13 |
| B | 3 | 1 | 0.37 | 81 | 8 | 07S +0.61 | 14 |
| B | 3 | 13 | 0.19 | 100 | 4 | 09S +0.49 | 15 |
| B | 3 | 15 | 0.46 | 106 | 9 | 09S +0.70 | 16 |
| B | 3 | 18 | 0.18 | 121 | 5 | 08S +0.64 | 17 |
| B | 3 | 19 | 0.25 | 43 | 9 | 10S -0.75 | 18 |
| B | 3 | 21 | 0.29 | 63 | 10 | 10S -0.71 | 19 |
| B | 3 | 23 | 0.28 | 123 | 7 | 09S +0.68 | 20 |
| B | 3 | 24 | 0.17 | 108 | 6 | 09S -0.70 | 21 |
| B | 3 | 24 | 0.54 | 98 | 16 | 10S -0.71 | 21 |
| B | 3 | 25 | 0.41 | 106 | 10 | 10S -0.64 | 22 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 3 | 25 | 0.56 | 104 | 13 | 10S +0.55 | 22 |
| B | 3 | 26 | 0.65 | 117 | 19 | 10S +0.09 | 23 |
| B | 3 | 29 | 0.13 | 91 | 3 | 09S -0.72 | 24 |
| B | 3 | 30 | 0.25 | 149 | 8 | 08S +0.50 | 25 |
| B | 4 | 3 | 0.35 | 39 | 11 | 09S -0.80 | 26 |
| B | 4 | 13 | 0.36 | 106 | 11 | 08S -0.73 | 27 |
| B | 4 | 16 | 0.3 | 87 | 6 | 08S -0.73 | 28 |
| B | 4 | 17 | 0.46 | 101 | 13 | 09S +0.60 | 29 |
| B | 4 | 18 | 0.39 | 102 | 8 | 09S +0.68 | 30 |
| B | 4 | 19 | 0.49 | 98 | 14 | 09S +0.67 | 31 |
| B | 4 | 22 | 0.19 | 67 | 5 | 10S -0.79 | 32 |
| B | 4 | 24 | 0.49 | 91 | 12 | 09S -0.81 | 33 |
| B | 4 | 25 | 0.18 | 95 | 6 | 09S -0.75 | 34 |
| B | 4 | 26 | 0.2 | 93 | 5 | 09S -0.75 | 35 |
| B | 4 | 29 | 0.22 | 106 | 8 | 09S -0.70 | 36 |
| B | 4 | 32 | 0.16 | 102 | 4 | 09S -0.79 | 37 |
| B | 4 | 34 | 0.09 | 102 | 2 | 09S -0.81 | 38 |
| B | 4 | 35 | 0.21 | 108 | 7 | 08S +0.72 | 39 |
| B | 4 | 36 | 0.11 | 91 | 3 | 09S -0.79 | 40 |
| B | 5 | 5 | 0.47 | 46 | 9 | 05S -0.84 | 41 |
| B | 5 | 9 | 0.18 | 84 | 4 | 07S -0.79 | 42 |
| B | 5 | 13 | 0.31 | 107 | 6 | 03S -0.82 | 43 |
| B | 5 | 24 | 0.24 | 27 | 8 | 08S -0.77 | 44 |
| B | 5 | 26 | 0.35 | 95 | 11 | 07S +0.75 | 45 |
| B | 5 | 27 | 0.36 | 87 | 9 | 07S +0.61 | 46 |
| B | 5 | 27 | 0.14 | 68 | 4 | 08S -0.81 | 46 |
| B | 5 | 30 | 0.15 | 77 | 5 | 08S -0.72 | 47 |
| B | 5 | 30 | 0.19 | 93 | 7 | 09S -0.73 | 47 |
| B | 5 | 34 | 0.14 | 135 | 5 | 08S -0.72 | 48 |
| B | 5 | 37 | 0.22 | 99 | 6 | 06S -0.78 | 49 |
| B | 5 | 37 | 0.15 | 115 | 4 | 07S -0.79 | 49 |
| B | 5 | 37 | 0.33 | 81 | 8 | 07S +0.72 | 49 |
| B | 5 | 37 | 0.14 | 67 | 4 | 09S -0.78 | 49 |
| B | 5 | 38 | 0.27 | 85 | 9 | 07S +0.72 | 50 |
| B | 5 | 38 | 0.66 | 89 | 19 | 09S -0.77 | 50 |
| B | 5 | 44 | 0.38 | 86 | 12 | 09S -0.81 | 51 |
| B | 5 | 44 | 0.26 | 69 | 9 | 13S -0.75 | 51 |
| B | 5 | 44 | 0.23 | 114 | 8 | 12S -0.75 | 51 |
| B | 5 | 46 | 0.21 | 81 | 7 | 09S -0.70 | 52 |
| B | 6 | 7 | 0.23 | 92 | 7 | 08S +0.60 | 53 |
| B | 6 | 9 | 0.26 | 115 | 8 | 10S -0.78 | 54 |
| B | 6 | 9 | 0.34 | 98 | 10 | 08S +0.64 | 54 |
| B | 6 | 13 | 0.2 | 128 | 6 | 08S -0.79 | 55 |
| B | 6 | 13 | 0.15 | 82 | 5 | 09S -0.88 | 55 |
| B | 6 | 17 | 0.19 | 28 | 4 | 07S -0.77 | 56 |
| B | 6 | 17 | 0.21 | 161 | 4 | 08S -0.84 | 56 |
| B | 6 | 17 | 0.2 | 141 | 4 | 09S -0.73 | 56 |
| B | 6 | 18 | 0.22 | 92 | 7 | 08S -0.71 | 57 |
| B | 6 | 18 | 0.17 | 80 | 6 | 09S -0.75 | 57 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 6 | 22 | 0.25 | 94 | 8 | 09S +0.60 | 58 |
| B | 6 | 25 | 0.22 | 122 | 6 | 07S +0.68 | 59 |
| B | 6 | 26 | 0.3 | 74 | 10 | 12S -0.73 | 60 |
| B | 6 | 27 | 0.26 | 116 | 7 | 08S +0.36 | 61 |
| B | 6 | 27 | 0.13 | 55 | 3 | 09S -0.75 | 61 |
| B | 6 | 28 | 0.23 | 71 | 8 | 07S +0.73 | 62 |
| B | 6 | 31 | 0.25 | 95 | 6 | 10S -0.77 | 63 |
| B | 6 | 36 | 0.26 | 98 | 9 | 08S -0.66 | 64 |
| B | 6 | 39 | 0.29 | 90 | 7 | 08S +0.70 | 65 |
| B | 6 | 39 | 0.09 | 77 | 2 | 08S -0.71 | 65 |
| B | 6 | 39 | 0.19 | 91 | 5 | 09S -0.81 | 65 |
| B | 6 | 40 | 0.22 | 104 | 8 | 08S +0.70 | 66 |
| B | 6 | 41 | 0.19 | 71 | 5 | 09S -0.79 | 67 |
| B | 6 | 43 | 0.17 | 42 | 5 | 07S -0.71 | 68 |
| B | 6 | 43 | 0.23 | 26 | 6 | 09S -0.71 | 68 |
| B | 6 | 44 | 0.28 | 91 | 9 | 07S -0.70 | 69 |
| B | 6 | 44 | 0.25 | 76 | 9 | 08S +0.70 | 69 |
| B | 6 | 44 | 0.57 | 83 | 17 | 09S -0.75 | 69 |
| B | 6 | 44 | 0.26 | 101 | 9 | 07S +0.77 | 69 |
| B | 6 | 46 | 0.55 | 91 | 16 | 08S -0.68 | 70 |
| B | 6 | 49 | 0.4 | 92 | 10 | 09S -0.76 | 71 |
| B | 6 | 49 | 0.24 | 34 | 6 | 10S -0.73 | 71 |
| B | 6 | 49 | 0.12 | 79 | 3 | 12S -0.57 | 71 |
| B | 6 | 50 | 0.23 | 87 | 8 | 07S -0.66 | 72 |
| B | 6 | 50 | 0.29 | 108 | 10 | 10S -0.51 | 72 |
| B | 6 | 50 | 0.29 | 121 | 10 | 13S -0.80 | 72 |
| B | 6 | 50 | 0.24 | 60 | 8 | 07S +0.72 | 72 |
| B | 7 | 4 | 0.39 | 61 | 11 | 14S -0.80 | 73 |
| B | 7 | 4 | 0.41 | 44 | 11 | 13S -0.81 | 73 |
| B | 7 | 8 | 0.35 | 152 | 7 | 08S +0.58 | 74 |
| B | 7 | 9 | 0.47 | 28 | 12 | 09S -0.86 | 75 |
| B | 7 | 10 | 0.5 | 93 | 10 | 08S +0.56 | 76 |
| B | 7 | 11 | 0.3 | 90 | 9 | 08S -0.80 | 77 |
| B | 7 | 12 | 0.23 | 126 | 5 | 08S +0.55 | 78 |
| B | 7 | 15 | 0.27 | 114 | 8 | 08S -0.73 | 79 |
| B | 7 | 16 | 0.32 | 123 | 6 | 08S +0.56 | 80 |
| B | 7 | 16 | 0.17 | 113 | 4 | 08S -0.80 | 80 |
| B | 7 | 17 | 0.2 | 97 | 6 | 09S -0.84 | 81 |
| B | 7 | 18 | 0.15 | 149 | 3 | 08S -0.82 | 82 |
| B | 7 | 19 | 0.18 | 95 | 5 | 08S -0.77 | 83 |
| B | 7 | 19 | 0.27 | 105 | 8 | 03S -0.79 | 83 |
| B | 7 | 20 | 0.81 | 97 | 14 | 07S +0.73 | 84 |
| B | 7 | 22 | 0.33 | 128 | 7 | 08S +0.51 | 85 |
| B | 7 | 25 | 0.15 | 120 | 5 | 08S -0.81 | 86 |
| B | 7 | 26 | 0.4 | 77 | 11 | 12S -0.89 | 87 |
| B | 7 | 26 | 0.23 | 133 | 7 | 09S -0.73 | 87 |
| B | 7 | 26 | 0.35 | 126 | 10 | 07S +0.66 | 87 |
| B | 7 | 26 | 0.14 | 62 | 4 | 09S +0.04 | 87 |
| B | 7 | 28 | 0.4 | 95 | 13 | 08S +0.66 | 88 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 7 | 29 | 0.53 | 121 | 12 | 07S -0.74 | 89 |
| B | 7 | 29 | 0.49 | 94 | 12 | 07S +0.72 | 89 |
| B | 7 | 29 | 0.44 | 99 | 11 | 08S +0.55 | 89 |
| B | 7 | 29 | 0.49 | 93 | 12 | 09S -0.77 | 89 |
| B | 7 | 29 | 0.18 | 79 | 5 | 09S +0.71 | 89 |
| B | 7 | 29 | 0.16 | 78 | 4 | 10S -0.78 | 89 |
| B | 7 | 30 | 0.41 | 65 | 13 | 04S -0.72 | 90 |
| B | 7 | 30 | 0.42 | 88 | 13 | 07S -0.70 | 90 |
| B | 7 | 30 | 0.36 | 73 | 12 | 07S +0.75 | 90 |
| B | 7 | 30 | 0.48 | 68 | 15 | 08S -0.70 | 90 |
| B | 7 | 30 | 1.19 | 78 | 28 | 08S +0.68 | 90 |
| B | 7 | 30 | 1.06 | 78 | 26 | 09S -0.68 | 90 |
| B | 7 | 33 | 0.1 | 136 | 3 | 02S +0.26 | 91 |
| B | 7 | 42 | 0.25 | 82 | 9 | 07S +0.75 | 92 |
| B | 7 | 42 | 0.23 | 102 | 8 | 09S -0.75 | 92 |
| B | 7 | 43 | 0.11 | 116 | 3 | 06S -0.77 | 93 |
| B | 7 | 43 | 0.25 | 80 | 6 | 08S -0.81 | 93 |
| B | 7 | 43 | 0.23 | 84 | 6 | 09S -0.77 | 93 |
| B | 7 | 44 | 0.4 | 153 | 13 | 07S +0.74 | 94 |
| B | 7 | 45 | 0.27 | 43 | 7 | 09S -0.81 | 95 |
| B | 7 | 47 | 0.33 | 113 | 8 | 07S +0.61 | 96 |
| B | 7 | 47 | 0.27 | 56 | 7 | 09S -0.81 | 96 |
| B | 7 | 52 | 0.23 | 54 | 8 | 09S -0.70 | 97 |
| B | 7 | 52 | 0.22 | 105 | 8 | 10S +0.72 | 97 |
| B | 7 | 52 | 0.26 | 70 | 9 | 13S -0.80 | 97 |
| B | 7 | 53 | 0.34 | 95 | 8 | 13S -0.79 | 98 |
| B | 8 | 4 | 0.3 | 116 | 9 | 10S -0.80 | 99 |
| B | 8 | 7 | 0.55 | 37 | 14 | 08S -0.81 | 100 |
| B | 8 | 10 | 0.33 | 91 | 7 | 08S +0.58 | 101 |
| B | 8 | 13 | 0.32 | 155 | 9 | 06S -0.82 | 102 |
| B | 8 | 15 | 0.44 | 77 | 12 | 07S +0.68 | 103 |
| B | 8 | 16 | 0.2 | 121 | 4 | 09S -0.82 | 104 |
| B | 8 | 17 | 0.2 | 124 | 6 | 06S -0.77 | 105 |
| B | 8 | 17 | 0.3 | 91 | 9 | 08S -0.84 | 105 |
| B | 8 | 17 | 0.22 | 100 | 7 | 09S -0.88 | 105 |
| B | 8 | 18 | 0.17 | 86 | 3 | 08S +0.58 | 106 |
| B | 8 | 18 | 0.22 | 114 | 5 | 07S +0.58 | 106 |
| B | 8 | 20 | 0.23 | 94 | 5 | 08S -0.76 | 107 |
| B | 8 | 20 | 0.15 | 106 | 3 | 08S +0.42 | 107 |
| B | 8 | 22 | 0.24 | 72 | 5 | 08S +0.53 | 108 |
| B | 8 | 24 | 0.14 | 127 | 3 | 09S -0.77 | 109 |
| B | 8 | 31 | 0.27 | 78 | 9 | 07S +0.66 | 110 |
| B | 8 | 31 | 0.37 | 61 | 12 | 03S -0.72 | 110 |
| B | 8 | 31 | 0.37 | 42 | 12 | 03S +0.77 | 110 |
| B | 8 | 31 | 0.29 | 85 | 10 | 09S -0.75 | 110 |
| B | 8 | 34 | 0.19 | 98 | 5 | 09S -0.79 | 111 |
| B | 8 | 36 | 0.17 | 104 | 5 | 09S -0.77 | 112 |
| B | 8 | 39 | 0.18 | 92 | 6 | 09S -0.72 | 113 |
| B | 8 | 43 | 0.2 | 102 | 7 | 09S -0.77 | 114 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 8 | 46 | 0.35 | 55 | 9 | 07S -0.67 | 115 |
| B | 8 | 46 | 0.42 | 66 | 10 | 07S +0.66 | 115 |
| B | 8 | 46 | 0.22 | 66 | 6 | 09S -0.80 | 115 |
| B | 8 | 49 | 0.16 | 33 | 4 | 08S -0.72 | 116 |
| B | 8 | 49 | 0.38 | 89 | 9 | 08S +0.65 | 116 |
| B | 8 | 50 | 0.23 | 71 | 8 | 07S -0.39 | 117 |
| B | 8 | 51 | 0.22 | 55 | 6 | 09S -0.77 | 118 |
| B | 8 | 52 | 0.18 | 64 | 6 | 09S -0.68 | 119 |
| B | 9 | 1 | 0.39 | 42 | 7 | 12S -0.77 | 120 |
| B | 9 | 1 | 0.33 | 78 | 6 | 09S -0.84 | 120 |
| B | 9 | 2 | 0.21 | 111 | 6 | 12S +0.62 | 121 |
| B | 9 | 4 | 0.51 | 98 | 13 | 09S -0.77 | 122 |
| B | 9 | 5 | 0.37 | 64 | 10 | 14S +0.77 | 123 |
| B | 9 | 5 | 0.77 | 98 | 18 | 07S -0.75 | 123 |
| B | 9 | 5 | 0.58 | 90 | 15 | 09S -0.77 | 123 |
| B | 9 | 7 | 0.3 | 112 | 9 | 09S -0.80 | 124 |
| B | 9 | 10 | 0.44 | 21 | 8 | 09S -0.82 | 125 |
| B | 9 | 12 | 0.36 | 100 | 7 | 08S -0.75 | 126 |
| B | 9 | 12 | 0.34 | 95 | 7 | 03S -0.80 | 126 |
| B | 9 | 13 | 0.45 | 62 | 12 | 08S -0.79 | 127 |
| B | 9 | 13 | 0.51 | 32 | 13 | 06S -0.84 | 127 |
| B | 9 | 16 | 0.29 | 106 | 8 | 08S +0.46 | 128 |
| B | 9 | 16 | 0.23 | 53 | 7 | 06S -0.73 | 128 |
| B | 9 | 17 | 0.55 | 107 | 10 | 09S -0.84 | 129 |
| B | 9 | 17 | 0.29 | 43 | 6 | 07S +0.53 | 129 |
| B | 9 | 18 | 0.37 | 73 | 10 | 08S -0.86 | 130 |
| B | 9 | 21 | 0.23 | 106 | 5 | 08S +0.29 | 131 |
| B | 9 | 27 | 0.23 | 137 | 5 | 09S -0.80 | 132 |
| B | 9 | 38 | 0.16 | 120 | 6 | 09S -0.73 | 133 |
| B | 9 | 46 | 0.23 | 63 | 8 | 07S -0.72 | 134 |
| B | 9 | 49 | 0.21 | 105 | 5 | 09S -0.77 | 135 |
| B | 9 | 51 | 0.29 | 6 | 7 | 09S -0.80 | 136 |
| B | 9 | 52 | 0.49 | 82 | 15 | 08S +0.72 | 137 |
| B | 9 | 52 | 0.21 | 110 | 7 | 09S -0.74 | 137 |
| B | 9 | 53 | 0.19 | 110 | 5 | 09S -0.74 | 138 |
| B | 9 | 54 | 0.24 | 81 | 8 | 09S -0.74 | 139 |
| B | 9 | 62 | 0.16 | 46 | 3 | 13S -0.87 | 140 |
| B | 10 | 2 | 0.38 | 41 | 10 | 09S -0.77 | 141 |
| B | 10 | 2 | 0.21 | 95 | 6 | 03S -0.84 | 141 |
| B | 10 | 6 | 0.18 | 107 | 4 | 12S -0.82 | 142 |
| B | 10 | 7 | 0.55 | 82 | 14 | 14S -0.84 | 143 |
| B | 10 | 8 | 0.55 | 152 | 10 | 09S -0.89 | 144 |
| B | 10 | 16 | 0.28 | 40 | 6 | 06S +0.67 | 145 |
| B | 10 | 18 | 0.21 | 68 | 4 | 06S +0.62 | 146 |
| B | 10 | 18 | 0.24 | 111 | 5 | 09S -0.84 | 146 |
| B | 10 | 20 | 0.18 | 48 | 4 | 06S +0.60 | 147 |
| B | 10 | 26 | 0.31 | 149 | 6 | 09S -0.82 | 148 |
| B | 10 | 27 | 0.39 | 102 | 11 | 09S -0.88 | 149 |
| B | 10 | 35 | 0.35 | 94 | 11 | 09S -0.75 | 150 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 10 | 54 | 0.2 | 55 | 5 | 08S -0.71 | 151 |
| B | 11 | 2 | 0.4 | 47 | 11 | 10S -0.86 | 152 |
| B | 11 | 10 | 0.52 | 149 | 10 | 08S -0.87 | 153 |
| B | 11 | 11 | 0.47 | 41 | 12 | 09S -0.82 | 154 |
| B | 11 | 55 | 0.37 | 62 | 12 | 08S -0.68 | 155 |
| B | 11 | 57 | 0.24 | 88 | 8 | 08S +0.31 | 156 |
| B | 11 | 57 | 0.25 | 87 | 9 | 09S -0.72 | 156 |
| B | 11 | 59 | 0.55 | 85 | 16 | 09S +0.69 | 157 |
| B | 11 | 68 | 0.2 | 96 | 6 | 13S -0.89 | 158 |
| B | 11 | 68 | 0.33 | 74 | 10 | 09S +0.62 | 158 |
| B | 11 | 68 | 0.24 | 72 | 7 | 07S -0.78 | 158 |
| B | 12 | 1 | 0.43 | 94 | 8 | 13S +0.66 | 159 |
| B | 12 | 1 | 0.51 | 130 | 9 | 13S -0.89 | 159 |
| B | 12 | 1 | 0.48 | 123 | 9 | 08S -0.84 | 159 |
| B | 12 | 2 | 0.41 | 117 | 11 | 13S +0.53 | 160 |
| B | 12 | 4 | 0.38 | 63 | 11 | 13S -0.90 | 161 |
| B | 12 | 4 | 0.34 | 92 | 10 | 09S -0.82 | 161 |
| B | 12 | 6 | 0.5 | 61 | 13 | 09S -0.75 | 162 |
| B | 12 | 7 | 0.31 | 116 | 6 | 09S -0.84 | 163 |
| B | 12 | 7 | 0.27 | 134 | 5 | 08S -0.84 | 163 |
| B | 12 | 9 | 0.45 | 100 | 8 | 08S -0.84 | 164 |
| B | 12 | 37 | 0.18 | 87 | 5 | 07S -0.79 | 165 |
| B | 12 | 37 | 0.18 | 92 | 5 | 09S -0.75 | 165 |
| B | 12 | 40 | 0.31 | 84 | 10 | 07S -0.79 | 166 |
| B | 12 | 59 | 0.19 | 94 | 5 | 09S -0.79 | 167 |
| B | 12 | 66 | 0.31 | 101 | 9 | 10S -0.80 | 168 |
| B | 12 | 66 | 0.27 | 85 | 8 | 09S -0.77 | 168 |
| B | 12 | 71 | 0.24 | 81 | 7 | 13S -0.88 | 169 |
| B | 13 | 1 | 0.51 | 112 | 9 | 13S -0.84 | 170 |
| B | 13 | 1 | 0.32 | 78 | 6 | 08S -0.84 | 170 |
| B | 13 | 2 | 0.33 | 81 | 9 | 13S -0.77 | 171 |
| B | 13 | 3 | 0.27 | 99 | 5 | 13S -0.86 | 172 |
| B | 13 | 3 | 0.19 | 118 | 4 | 09S -0.82 | 172 |
| B | 13 | 9 | 0.28 | 45 | 5 | 09S -0.84 | 173 |
| B | 13 | 9 | 0.46 | 89 | 9 | 08S -0.84 | 173 |
| B | 13 | 10 | 0.24 | 89 | 7 | 03S -0.79 | 174 |
| B | 13 | 20 | 0.42 | 93 | 8 | 07S -0.78 | 175 |
| B | 13 | 22 | 0.4 | 106 | 8 | 07S -0.82 | 176 |
| B | 13 | 27 | 0.35 | 102 | 10 | 03S -0.84 | 177 |
| B | 13 | 36 | 0.22 | 111 | 7 | 08S -0.81 | 178 |
| B | 13 | 43 | 0.75 | 97 | 17 | 09S -0.68 | 179 |
| B | 13 | 70 | 0.28 | 141 | 6 | 09S -0.80 | 180 |
| B | 13 | 72 | 0.15 | 78 | 3 | 09S -0.80 | 181 |
| B | 13 | 73 | 0.29 | 85 | 9 | 09S +0.62 | 182 |
| B | 13 | 73 | 0.4 | 46 | 12 | 09S -0.73 | 182 |
| B | 13 | 74 | 0.17 | 84 | 4 | 07S +0.73 | 183 |
| B | 14 | 5 | 0.33 | 83 | 6 | 09S -0.80 | 184 |
| B | 14 | 6 | 0.51 | 135 | 13 | 08S -0.88 | 185 |
| B | 14 | 6 | 0.35 | 41 | 10 | 08S +0.62 | 185 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 14 | 7 | 0.51 | 81 | 9 | 09S -0.80 | 186 |
| B | 14 | 7 | 0.15 | 100 | 3 | 07S -0.77 | 186 |
| B | 14 | 10 | 0.41 | 121 | 11 | 08S -0.86 | 187 |
| B | 14 | 13 | 0.25 | 77 | 7 | 09S -0.86 | 188 |
| B | 14 | 25 | 0.24 | 69 | 7 | 07S -0.80 | 189 |
| B | 14 | 25 | 0.27 | 74 | 8 | 03S -0.82 | 189 |
| B | 14 | 26 | 0.55 | 83 | 10 | 03S -0.80 | 190 |
| B | 14 | 27 | 0.51 | 77 | 13 | 07S -0.77 | 191 |
| B | 14 | 67 | 0.31 | 98 | 7 | 09S -0.78 | 192 |
| B | 14 | 67 | 0.23 | 123 | 5 | 07S +0.69 | 192 |
| B | 14 | 70 | 0.34 | 148 | 10 | 09S -0.80 | 193 |
| B | 14 | 70 | 0.46 | 59 | 13 | 07S -0.82 | 193 |
| B | 14 | 71 | 0.31 | 39 | 7 | 07S +0.66 | 194 |
| B | 14 | 72 | 0.29 | 62 | 9 | 07S -0.77 | 195 |
| B | 14 | 75 | 0.64 | 109 | 12 | 15S -0.84 | 196 |
| B | 15 | 3 | 0.71 | 50 | 13 | 09S -0.77 | 197 |
| B | 15 | 5 | 0.25 | 133 | 5 | 13S -0.85 | 198 |
| B | 15 | 5 | 0.29 | 89 | 6 | 08S -0.84 | 198 |
| B | 15 | 6 | 0.35 | 54 | 10 | 07S -0.77 | 199 |
| B | 15 | 7 | 0.44 | 73 | 8 | 09S -0.80 | 200 |
| B | 15 | 8 | 0.39 | 44 | 11 | 09S -0.84 | 201 |
| B | 15 | 10 | 0.63 | 44 | 16 | 08S -0.77 | 202 |
| B | 15 | 12 | 0.43 | 83 | 12 | 10S -0.76 | 203 |
| B | 15 | 12 | 0.52 | 45 | 14 | 09S +0.82 | 203 |
| B | 15 | 32 | 0.25 | 58 | 5 | 07S -0.87 | 204 |
| B | 15 | 35 | 0.7 | 98 | 17 | 09S -0.82 | 205 |
| B | 15 | 64 | 0.42 | 106 | 13 | 09S -0.74 | 206 |
| B | 15 | 69 | 0.65 | 100 | 17 | 07S +0.68 | 207 |
| B | 15 | 70 | 0.45 | 94 | 9 | 07S +0.43 | 208 |
| B | 15 | 73 | 0.22 | 95 | 7 | 09S -0.82 | 209 |
| B | 15 | 75 | 1 | 123 | 23 | 10S +0.00 | 210 |
| B | 15 | 75 | 0.44 | 137 | 12 | 09S +0.60 | 210 |
| B | 15 | 75 | 0.4 | 65 | 11 | 09S -0.77 | 210 |
| B | 15 | 75 | 0.27 | 46 | 8 | 08S -0.73 | 210 |
| B | 15 | 75 | 0.76 | 20 | 19 | 07S -0.75 | 210 |
| B | 16 | 1 | 0.26 | 120 | 7 | 13S -0.84 | 211 |
| B | 16 | 6 | 0.44 | 81 | 8 | 09S -0.82 | 212 |
| B | 16 | 7 | 0.37 | 59 | 10 | 09S -0.77 | 213 |
| B | 16 | 10 | 0.42 | 55 | 8 | 09S -0.82 | 214 |
| B | 16 | 13 | 0.35 | 45 | 10 | 08S +0.60 | 215 |
| B | 16 | 19 | 0.35 | 137 | 10 | 09S -0.82 | 216 |
| B | 16 | 32 | 0.27 | 93 | 5 | 03S -0.84 | 217 |
| B | 16 | 34 | 0.28 | 93 | 6 | 03S -0.77 | 218 |
| B | 16 | 36 | 0.18 | 96 | 4 | 07S -0.78 | 219 |
| B | 16 | 38 | 0.44 | 84 | 8 | 07S -0.82 | 220 |
| B | 16 | 59 | 0.26 | 78 | 8 | 13S -0.75 | 221 |
| B | 16 | 74 | 0.18 | 146 | 6 | 09S -0.77 | 222 |
| B | 16 | 76 | 0.58 | 67 | 15 | 07S -0.77 | 223 |
| B | 16 | 77 | 0.42 | 109 | 9 | 09S +0.63 | 224 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 16 | 77 | 0.17 | 50 | 4 | 08S -0.77 | 224 |
| B | 16 | 77 | 0.39 | 140 | 8 | 07S -0.58 | 224 |
| B | 16 | 80 | 0.39 | 88 | 11 | 09S -0.73 | 225 |
| B | 17 | 5 | 0.46 | 66 | 9 | 09S -0.77 | 226 |
| B | 17 | 6 | 0.37 | 98 | 10 | 09S -0.75 | 227 |
| B | 17 | 7 | 0.28 | 60 | 5 | 09S -0.79 | 228 |
| B | 17 | 22 | 0.28 | 81 | 8 | 09S -0.84 | 229 |
| B | 17 | 28 | 0.41 | 45 | 11 | 07S -0.84 | 230 |
| B | 17 | 45 | 0.39 | 105 | 12 | 09S -0.77 | 231 |
| B | 17 | 59 | 0.37 | 91 | 11 | 12S -0.73 | 232 |
| B | 17 | 65 | 0.38 | 107 | 12 | 09S -0.74 | 233 |
| B | 17 | 74 | 0.19 | 129 | 4 | 09S -0.78 | 234 |
| B | 17 | 74 | 0.77 | 84 | 15 | 07S -0.73 | 234 |
| B | 17 | 75 | 0.3 | 131 | 9 | 09S -0.79 | 235 |
| B | 17 | 75 | 0.38 | 96 | 11 | 07S +0.64 | 235 |
| B | 17 | 76 | 0.37 | 44 | 8 | 09S -0.77 | 236 |
| B | 17 | 77 | 0.29 | 103 | 9 | 09S -0.79 | 237 |
| B | 17 | 78 | 0.4 | 113 | 8 | 09S +0.60 | 238 |
| B | 17 | 82 | 0.27 | 76 | 6 | 09S -0.75 | 239 |
| B | 18 | 4 | 0.26 | 79 | 5 | 09S -0.80 | 240 |
| B | 18 | 8 | 0.61 | 17 | 12 | 09S +0.62 | 241 |
| B | 18 | 9 | 0.23 | 112 | 8 | 09S -0.82 | 242 |
| B | 18 | 9 | 0.39 | 62 | 12 | 02S +0.88 | 242 |
| B | 18 | 14 | 0.36 | 80 | 7 | 08S -0.78 | 243 |
| B | 18 | 17 | 0.47 | 122 | 14 | 03S -0.71 | 244 |
| B | 18 | 21 | 0.45 | 84 | 8 | 03S -0.73 | 245 |
| B | 18 | 30 | 0.24 | 115 | 7 | 09S -0.81 | 246 |
| B | 18 | 32 | 0.35 | 85 | 7 | 10S -0.81 | 247 |
| B | 18 | 39 | 0.22 | 90 | 5 | 09S -0.82 | 248 |
| B | 18 | 43 | 0.26 | 84 | 8 | 07S -0.68 | 249 |
| B | 18 | 47 | 0.21 | 108 | 7 | 06S -0.68 | 250 |
| B | 18 | 68 | 0.23 | 91 | 8 | 13S -0.79 | 251 |
| B | 18 | 75 | 0.31 | 77 | 7 | 09S -0.80 | 252 |
| B | 18 | 75 | 0.25 | 44 | 5 | 07S -0.75 | 252 |
| B | 18 | 76 | 0.43 | 109 | 12 | 07S +0.62 | 253 |
| B | 18 | 76 | 0.2 | 134 | 6 | 07S -0.73 | 253 |
| B | 18 | 77 | 0.37 | 109 | 8 | 08S +0.44 | 254 |
| B | 18 | 79 | 0.31 | 90 | 7 | 09S -0.77 | 255 |
| B | 18 | 79 | 0.25 | 111 | 5 | 09S +0.62 | 255 |
| B | 19 | 5 | 0.36 | 117 | 11 | 09S -0.84 | 256 |
| B | 19 | 6 | 0.53 | 57 | 10 | 09S -0.75 | 257 |
| B | 19 | 6 | 0.25 | 91 | 5 | 08S -0.82 | 257 |
| B | 19 | 7 | 0.39 | 73 | 12 | 08S -0.82 | 258 |
| B | 19 | 7 | 0.27 | 90 | 9 | 09S -0.84 | 258 |
| B | 19 | 8 | 0.19 | 81 | 4 | 08S -0.80 | 259 |
| B | 19 | 9 | 0.31 | 115 | 10 | 08S -0.84 | 260 |
| B | 19 | 10 | 0.61 | 60 | 11 | 08S -0.82 | 261 |
| B | 19 | 11 | 0.22 | 94 | 7 | 08S -0.86 | 262 |
| B | 19 | 18 | 0.26 | 91 | 5 | 03S -0.75 | 263 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 19 | 19 | 0.52 | 79 | 14 | 07S -0.73 | 264 |
| B | 19 | 21 | 0.35 | 93 | 10 | 07S -0.79 | 265 |
| B | 19 | 28 | 0.3 | 98 | 6 | 07S -0.78 | 266 |
| B | 19 | 30 | 0.64 | 66 | 12 | 07S -0.69 | 267 |
| B | 19 | 32 | 0.2 | 84 | 4 | 07S -0.75 | 268 |
| B | 19 | 32 | 0.31 | 72 | 6 | 03S -0.77 | 268 |
| B | 19 | 40 | 0.25 | 117 | 5 | 09S -0.90 | 269 |
| B | 19 | 46 | 0.41 | 99 | 12 | 09S -0.72 | 270 |
| B | 19 | 77 | 0.53 | 81 | 14 | 07S +0.53 | 271 |
| B | 19 | 78 | 0.47 | 57 | 10 | 09S -0.77 | 272 |
| B | 19 | 78 | 0.42 | 55 | 9 | 07S -0.75 | 272 |
| B | 19 | 78 | 0.32 | 131 | 7 | 07S +0.57 | 272 |
| B | 19 | 79 | 0.22 | 108 | 7 | 09S -0.79 | 273 |
| B | 19 | 80 | 0.37 | 87 | 8 | 09S -0.77 | 274 |
| B | 19 | 83 | 0.28 | 126 | 8 | 09S +0.60 | 275 |
| B | 19 | 83 | 0.21 | 96 | 7 | 09S -0.84 | 275 |
| B | 20 | 5 | 0.4 | 105 | 12 | 08S -0.78 | 276 |
| B | 20 | 6 | 0.35 | 48 | 7 | 09S -0.76 | 277 |
| B | 20 | 6 | 0.36 | 95 | 7 | 08S -0.84 | 277 |
| B | 20 | 9 | 0.62 | 76 | 17 | 08S -0.86 | 278 |
| B | 20 | 10 | 0.54 | 85 | 10 | 08S -0.84 | 279 |
| B | 20 | 74 | 0.41 | 34 | 12 | 09S -0.79 | 280 |
| B | 20 | 75 | 0.26 | 96 | 5 | 09S -0.82 | 281 |
| B | 20 | 76 | 0.37 | 43 | 11 | 07S +0.66 | 282 |
| B | 20 | 77 | 0.33 | 112 | 7 | 09S -0.75 | 283 |
| B | 20 | 77 | 0.26 | 111 | 5 | 08S +0.55 | 283 |
| B | 20 | 77 | 0.33 | 104 | 7 | 07S +0.62 | 283 |
| B | 20 | 85 | 0.29 | 148 | 6 | 09S -0.79 | 284 |
| B | 21 | 1 | 0.23 | 75 | 5 | 12S -0.84 | 285 |
| B | 21 | 4 | 0.5 | 57 | 15 | 08S -0.86 | 286 |
| B | 21 | 10 | 0.4 | 78 | 12 | 08S -0.84 | 287 |
| B | 21 | 11 | 0.62 | 34 | 12 | 08S -0.80 | 288 |
| B | 21 | 37 | 0.36 | 103 | 10 | 09S -0.77 | 289 |
| B | 21 | 38 | 0.51 | 90 | 9 | 09S -0.80 | 290 |
| B | 21 | 40 | 0.39 | 99 | 7 | 09S -0.82 | 291 |
| B | 21 | 40 | 0.24 | 77 | 5 | 07S -0.71 | 291 |
| B | 21 | 81 | 0.59 | 93 | 16 | 07S -0.73 | 292 |
| B | 21 | 81 | 0.31 | 106 | 10 | 07S +0.53 | 292 |
| B | 21 | 82 | 0.29 | 88 | 6 | 09S -0.75 | 293 |
| B | 21 | 82 | 0.33 | 119 | 7 | 07S +0.55 | 293 |
| B | 21 | 83 | 0.27 | 122 | 9 | 09S -0.79 | 294 |
| B | 21 | 83 | 0.32 | 111 | 10 | 07S +0.57 | 294 |
| B | 21 | 84 | 0.14 | 78 | 3 | 09S -0.80 | 295 |
| B | 21 | 87 | 0.39 | 128 | 12 | 09S +0.58 | 296 |
| B | 21 | 87 | 0.14 | 44 | 5 | 09S -0.84 | 296 |
| B | 22 | 4 | 0.27 | 65 | 6 | 08S -0.82 | 297 |
| B | 22 | 5 | 0.25 | 76 | 8 | 08S -0.88 | 298 |
| B | 22 | 6 | 0.27 | 79 | 6 | 09S -0.75 | 299 |
| B | 22 | 35 | 0.43 | 82 | 8 | 07S -0.78 | 300 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 22 | 36 | 0.27 | 114 | 8 | 09S -0.82 | 301 |
| B | 22 | 84 | 0.21 | 132 | 7 | 09S -0.81 | 302 |
| B | 22 | 84 | 0.33 | 92 | 10 | 07S +0.68 | 302 |
| B | 22 | 85 | 0.26 | 109 | 5 | 08S +0.33 | 303 |
| B | 22 | 93 | 0.32 | 100 | 10 | 09S -0.75 | 304 |
| B | 23 | 5 | 0.54 | 58 | 10 | 08S -0.82 | 305 |
| B | 23 | 7 | 0.43 | 34 | 9 | 09S -0.84 | 306 |
| B | 23 | 9 | 0.29 | 60 | 6 | 09S -0.78 | 307 |
| B | 23 | 9 | 0.22 | 81 | 5 | 08S -0.84 | 307 |
| B | 23 | 10 | 0.34 | 139 | 11 | 08S -0.84 | 308 |
| B | 23 | 12 | 0.29 | 73 | 9 | 08S -0.89 | 309 |
| B | 23 | 36 | 0.48 | 78 | 9 | 03S -0.76 | 310 |
| B | 23 | 50 | 0.37 | 87 | 9 | 07S -0.70 | 311 |
| B | 23 | 63 | 0.25 | 89 | 8 | 03S -0.72 | 312 |
| B | 23 | 63 | 0.23 | 94 | 7 | 05S -0.66 | 312 |
| B | 23 | 63 | 0.21 | 103 | 7 | 09S -0.70 | 312 |
| B | 23 | 83 | 0.29 | 74 | 9 | 09S -0.80 | 313 |
| B | 23 | 85 | 0.2 | 119 | 6 | 09S -0.82 | 314 |
| B | 23 | 86 | 0.19 | 105 | 4 | 09S -0.75 | 315 |
| B | 23 | 86 | 0.19 | 96 | 4 | 07S +0.75 | 315 |
| B | 23 | 88 | 0.16 | 97 | 3 | 09S -0.84 | 316 |
| B | 23 | 91 | 0.28 | 51 | 9 | 09S +0.60 | 317 |
| B | 23 | 91 | 0.21 | 76 | 7 | 09S -0.82 | 317 |
| B | 24 | 4 | 0.33 | 71 | 10 | 08S +0.58 | 318 |
| B | 24 | 4 | 0.39 | 103 | 12 | 08S -0.82 | 318 |
| B | 24 | 9 | 0.43 | 125 | 8 | 09S +0.62 | 319 |
| B | 24 | 43 | 0.26 | 86 | 5 | 03S -0.78 | 320 |
| B | 24 | 58 | 0.12 | 36 | 4 | 06S -0.78 | 321 |
| B | 24 | 87 | 0.25 | 85 | 5 | 09S -0.77 | 322 |
| B | 24 | 88 | 0.24 | 111 | 8 | 09S -0.82 | 323 |
| B | 24 | 89 | 0.28 | 134 | 6 | 07S +0.53 | 324 |
| B | 24 | 89 | 0.25 | 147 | 5 | 07S -0.77 | 324 |
| B | 24 | 92 | 0.38 | 44 | 11 | 08S -0.82 | 325 |
| B | 24 | 93 | 0.3 | 94 | 6 | 09S -0.73 | 326 |
| B | 24 | 93 | 0.29 | 45 | 6 | 07S +0.66 | 326 |
| B | 24 | 95 | 0.2 | 87 | 4 | 07S -0.77 | 327 |
| B | 24 | 95 | 0.24 | 107 | 5 | 13S -0.80 | 327 |
| B | 25 | 4 | 0.28 | 72 | 9 | 08S -0.88 | 328 |
| B | 25 | 8 | 0.23 | 70 | 8 | 09S +0.60 | 329 |
| B | 25 | 10 | 1.03 | 102 | 18 | 09S +0.62 | 330 |
| B | 25 | 14 | 0.22 | 101 | 4 | 08S -0.78 | 331 |
| B | 25 | 38 | 0.47 | 87 | 9 | 09S -0.78 | 332 |
| B | 25 | 39 | 0.54 | 81 | 15 | 03S -0.77 | 333 |
| B | 25 | 86 | 0.33 | 98 | 7 | 09S -0.79 | 334 |
| B | 25 | 88 | 0.25 | 100 | 5 | 09S -0.77 | 335 |
| B | 25 | 91 | 0.24 | 124 | 8 | 09S -0.82 | 336 |
| B | 25 | 92 | 0.23 | 99 | 5 | 07S +0.68 | 337 |
| B | 25 | 98 | 0.34 | 131 | 7 | 09S -0.79 | 338 |
| B | 26 | 5 | 0.25 | 131 | 8 | 09S -0.80 | 339 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 26 | 7 | 0.22 | 103 | 7 | 09S -0.82 | 340 |
| B | 26 | 7 | 0.3 | 111 | 10 | 08S -0.80 | 340 |
| B | 26 | 9 | 0.45 | 99 | 13 | 09S +0.65 | 341 |
| B | 26 | 23 | 0.33 | 85 | 7 | 03S -0.75 | 342 |
| B | 26 | 26 | 0.37 | 45 | 11 | 07S -0.82 | 343 |
| B | 26 | 26 | 0.29 | 139 | 9 | 03S -0.77 | 343 |
| B | 26 | 93 | 0.15 | 86 | 5 | 08S +0.13 | 344 |
| B | 26 | 93 | 0.24 | 93 | 8 | 07S +0.62 | 344 |
| B | 26 | 94 | 0.25 | 88 | 5 | 07S +0.66 | 345 |
| B | 26 | 96 | 0.2 | 120 | 4 | 08S -0.73 | 346 |
| B | 26 | 97 | 0.27 | 52 | 8 | 08S -0.82 | 347 |
| B | 26 | 98 | 0.31 | 63 | 6 | 07S -0.77 | 348 |
| B | 27 | 5 | 0.32 | 149 | 6 | 09S +0.65 | 349 |
| B | 27 | 5 | 0.44 | 79 | 9 | 09S -0.78 | 349 |
| B | 27 | 6 | 0.41 | 71 | 12 | 08S -0.77 | 350 |
| B | 27 | 6 | 0.18 | 111 | 6 | 08S +0.62 | 350 |
| B | 27 | 6 | 0.57 | 51 | 16 | 07S +0.62 | 350 |
| B | 27 | 9 | 0.28 | 92 | 6 | 08S -0.87 | 351 |
| B | 27 | 10 | 0.32 | 63 | 10 | 08S -0.86 | 352 |
| B | 27 | 21 | 0.8 | 18 | 20 | 09S -0.74 | 353 |
| B | 27 | 32 | 0.5 | 81 | 14 | 05S -0.77 | 354 |
| B | 27 | 40 | 0.42 | 124 | 9 | 03S -0.80 | 355 |
| B | 27 | 42 | 0.41 | 101 | 8 | 03S -0.80 | 356 |
| B | 27 | 45 | 0.3 | 87 | 9 | 03S -0.79 | 357 |
| B | 27 | 94 | 0.38 | 101 | 11 | 07S +0.55 | 358 |
| B | 27 | 94 | 0.25 | 70 | 8 | 07S -0.77 | 358 |
| B | 27 | 94 | 0.63 | 85 | 17 | 09S +0.60 | 358 |
| B | 27 | 94 | 0.68 | 117 | 18 | 08S +0.71 | 358 |
| B | 27 | 95 | 0.51 | 109 | 10 | 08S +0.62 | 359 |
| B | 27 | 98 | 0.29 | 127 | 9 | 09S -0.77 | 360 |
| B | 28 | 4 | 0.51 | 92 | 12 | 03S -0.72 | 361 |
| B | 28 | 4 | 0.26 | 55 | 7 | 08S -0.72 | 361 |
| B | 28 | 4 | 0.23 | 102 | 6 | 08S +0.61 | 361 |
| B | 28 | 5 | 0.38 | 45 | 11 | 07S -0.70 | 362 |
| B | 28 | 5 | 0.36 | 59 | 11 | 09S -0.72 | 362 |
| B | 28 | 6 | 0.27 | 100 | 7 | 09S -0.75 | 363 |
| B | 28 | 7 | 0.25 | 132 | 8 | 07S +0.77 | 364 |
| B | 28 | 7 | 0.32 | 129 | 10 | 08S -0.77 | 364 |
| B | 28 | 13 | 0.35 | 61 | 11 | 05S -0.63 | 365 |
| B | 28 | 30 | 0.37 | 65 | 8 | 03S -0.87 | 366 |
| B | 28 | 38 | 0.18 | 96 | 4 | 09S -0.76 | 367 |
| B | 28 | 44 | 0.23 | 97 | 5 | 07S -0.73 | 368 |
| B | 28 | 94 | 0.21 | 91 | 7 | 09S -0.77 | 369 |
| B | 28 | 94 | 0.51 | 88 | 14 | 08S +0.66 | 369 |
| B | 28 | 94 | 0.58 | 96 | 16 | 08S -0.73 | 369 |
| B | 28 | 96 | 0.33 | 43 | 10 | 08S -0.75 | 370 |
| B | 28 | 96 | 0.36 | 136 | 11 | 07S -0.59 | 370 |
| B | 28 | 101 | 0.21 | 93 | 4 | 09S +0.62 | 371 |
| B | 29 | 6 | 0.48 | 108 | 11 | 08S -0.63 | 372 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| B | 29 | 7 | 0.37 | 125 | 11 | 07S +0.77 | 373 |
| B | 29 | 9 | 0.37 | 74 | 11 | 08S -0.74 | 374 |
| B | 29 | 17 | 0.28 | 72 | 9 | 03S -0.70 | 375 |
| B | 29 | 42 | 0.43 | 93 | 9 | 03S -0.82 | 376 |
| B | 29 | 94 | 0.19 | 120 | 6 | 09S -0.82 | 377 |
| B | 29 | 95 | 0.33 | 78 | 7 | 08S -0.77 | 378 |
| B | 29 | 98 | 0.55 | 142 | 15 | 08S +0.55 | 379 |
| B | 29 | 100 | 0.18 | 86 | 6 | 09S -0.84 | 380 |
| B | 29 | 101 | 0.4 | 70 | 8 | 09S +0.57 | 381 |
| B | 29 | 101 | 0.22 | 82 | 4 | 09S -0.84 | 381 |
| B | 29 | 103 | 0.32 | 49 | 6 | 10S +0.75 | 382 |
| B | 29 | 103 | 0.19 | 91 | 4 | 13S -0.82 | 382 |
| B | 29 | 104 | 0.17 | 95 | 3 | 13S -0.77 | 383 |
| B | 30 | 4 | 0.27 | 46 | 6 | 08S -0.66 | 384 |
| B | 30 | 7 | 0.22 | 114 | 7 | 07S -0.66 | 385 |
| B | 30 | 7 | 0.29 | 91 | 9 | 08S -0.74 | 385 |
| B | 30 | 9 | 0.2 | 61 | 6 | 08S -0.72 | 386 |
| B | 30 | 11 | 0.25 | 71 | 8 | 08S -0.72 | 387 |
| B | 30 | 14 | 0.61 | 58 | 13 | 09S -0.72 | 388 |
| B | 30 | 37 | 0.21 | 101 | 7 | 09S -0.84 | 389 |
| B | 30 | 41 | 0.42 | 89 | 12 | 03S -0.82 | 390 |
| B | 30 | 100 | 0.34 | 81 | 10 | 07S +0.75 | 391 |
| B | 31 | 5 | 0.59 | 74 | 13 | 03S -0.66 | 392 |
| B | 31 | 6 | 0.26 | 111 | 8 | 07S +0.72 | 393 |
| B | 31 | 6 | 0.39 | 131 | 12 | 08S +0.66 | 393 |
| B | 31 | 6 | 0.24 | 69 | 8 | 09S -0.70 | 393 |
| B | 31 | 7 | 0.4 | 100 | 9 | 08S -0.68 | 394 |
| B | 31 | 8 | 0.34 | 88 | 10 | 07S +0.79 | 395 |
| B | 31 | 12 | 0.23 | 115 | 7 | 08S -0.74 | 396 |
| B | 31 | 22 | 0.32 | 137 | 10 | 07S -0.72 | 397 |
| B | 31 | 42 | 1.15 | 82 | 19 | 09S -0.73 | 398 |
| B | 31 | 45 | 0.29 | 96 | 8 | 09S -0.82 | 399 |
| B | 31 | 58 | 0.26 | 72 | 8 | 03S -0.66 | 400 |
| B | 31 | 82 | 0.21 | 96 | 4 | 09S -0.82 | 401 |
| B | 32 | 6 | 0.75 | 81 | 19 | 03S -0.66 | 402 |
| B | 32 | 7 | 0.24 | 101 | 6 | 08S -0.66 | 403 |
| B | 32 | 8 | 0.26 | 116 | 8 | 08S -0.77 | 404 |
| B | 32 | 9 | 0.38 | 47 | 9 | 03S -0.61 | 405 |
| B | 32 | 11 | 0.37 | 68 | 9 | 08S -0.72 | 406 |
| B | 32 | 15 | 0.77 | 82 | 16 | 09S -0.61 | 407 |
| B | 32 | 25 | 0.47 | 66 | 10 | 03S -0.68 | 408 |
| B | 32 | 25 | 0.44 | 27 | 10 | 09S -0.72 | 408 |
| B | 32 | 35 | 0.71 | 66 | 13 | 09S -0.71 | 409 |
| B | 32 | 89 | 0.33 | 41 | 10 | 05S -0.78 | 410 |
| B | 32 | 106 | 0.39 | 103 | 12 | 10S +0.19 | 411 |
| B | 33 | 6 | 0.36 | 44 | 11 | 08S -0.70 | 412 |
| B | 33 | 27 | 0.27 | 83 | 8 | 09S -0.79 | 413 |
| B | 33 | 47 | 0.46 | 74 | 12 | 09S -0.79 | 414 |
| B | 33 | 70 | 0.27 | 79 | 7 | 07S -0.70 | 415 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| B | 34 | 7 | 0.3 | 117 | 9 | 07S +0.68 | 416 |
| B | 34 | 7 | 0.29 | 50 | 9 | 09S -0.73 | 416 |
| B | 34 | 8 | 0.45 | 48 | 10 | 09S -0.75 | 417 |
| B | 34 | 11 | 0.46 | 32 | 13 | 08S -0.74 | 418 |
| B | 34 | 103 | 0.19 | 109 | 4 | 08S -0.87 | 419 |
| B | 35 | 8 | 0.57 | 72 | 16 | 09S +0.64 | 420 |
| B | 35 | 20 | 0.64 | 73 | 13 | 04S -0.70 | 421 |
| B | 35 | 42 | 1.11 | 51 | 24 | 09S -0.73 | 422 |
| B | 35 | 60 | 0.26 | 102 | 6 | 06S -0.72 | 423 |
| B | 35 | 108 | 0.71 | 80 | 13 | 07S -0.69 | 424 |
| B | 36 | 1 | 0.3 | 115 | 10 | 13S -0.79 | 425 |
| B | 36 | 3 | 0.27 | 116 | 10 | 09S +0.72 | 426 |
| B | 36 | 5 | 0.32 | 66 | 11 | 09S +0.69 | 427 |
| B | 36 | 7 | 0.23 | 101 | 7 | 07S +0.79 | 428 |
| B | 36 | 8 | 0.25 | 65 | 6 | 08S -0.68 | 429 |
| B | 36 | 9 | 0.23 | 86 | 7 | 09S -0.75 | 430 |
| B | 36 | 10 | 0.37 | 81 | 9 | 09S +0.69 | 431 |
| B | 36 | 11 | 0.31 | 78 | 9 | 08S -0.75 | 432 |
| B | 36 | 12 | 0.2 | 113 | 5 | 08S -0.74 | 433 |
| B | 36 | 19 | 0.29 | 80 | 9 | 03S -0.70 | 434 |
| B | 36 | 19 | 0.54 | 94 | 15 | 09S -0.70 | 434 |
| B | 36 | 36 | 0.32 | 99 | 9 | 07S -0.82 | 435 |
| B | 36 | 42 | 0.34 | 121 | 7 | 03S -0.75 | 436 |
| B | 36 | 47 | 0.9 | 93 | 21 | 07S -0.73 | 437 |
| B | 36 | 57 | 0.47 | 99 | 14 | 09S -0.70 | 438 |
| B | 36 | 64 | 0.23 | 74 | 6 | 03S -0.63 | 439 |
| B | 36 | 92 | 0.4 | 89 | 12 | 03S -0.84 | 440 |
| B | 37 | 3 | 0.3 | 84 | 7 | 09S +0.70 | 441 |
| B | 37 | 6 | 0.45 | 93 | 14 | 05S -0.73 | 442 |
| B | 37 | 6 | 0.42 | 44 | 14 | 09S -0.80 | 442 |
| B | 37 | 8 | 0.33 | 104 | 10 | 07S +0.75 | 443 |
| B | 37 | 12 | 0.24 | 72 | 7 | 08S -0.72 | 444 |
| B | 37 | 12 | 0.48 | 83 | 14 | 09S -0.70 | 444 |
| B | 37 | 18 | 0.37 | 70 | 11 | 03S -0.66 | 445 |
| B | 37 | 21 | 0.2 | 118 | 5 | 07S -0.70 | 446 |
| B | 37 | 34 | 0.24 | 119 | 5 | 09S -0.77 | 447 |
| B | 37 | 48 | 0.59 | 91 | 15 | 07S -0.77 | 448 |
| B | 37 | 98 | 0.28 | 117 | 9 | 07S -0.79 | 449 |
| B | 37 | 114 | 0.33 | 50 | 6 | 09S -0.80 | 450 |
| B | 37 | 114 | 0.22 | 73 | 4 | 05S -0.79 | 450 |
| B | 38 | 4 | 0.31 | 83 | 7 | 09S +0.72 | 451 |
| B | 38 | 5 | 0.42 | 97 | 14 | 09S +0.52 | 452 |
| B | 38 | 8 | 0.42 | 91 | 12 | 08S -0.72 | 453 |
| B | 38 | 10 | 0.34 | 117 | 10 | 09S +0.73 | 454 |
| B | 38 | 11 | 0.32 | 47 | 7 | 08S -0.53 | 455 |
| B | 38 | 27 | 0.45 | 45 | 10 | 03S -0.68 | 456 |
| B | 38 | 38 | 0.48 | 87 | 10 | 09S -0.70 | 457 |
| B | 38 | 45 | 0.34 | 41 | 7 | 07S -0.75 | 458 |
| B | 38 | 62 | 0.25 | 91 | 8 | 03S -0.72 | 459 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 38 | 70 | 0.39 | 76 | 12 | 03S -0.68 | 460 |
| B | 38 | 75 | 0.24 | 100 | 6 | 07S -0.72 | 461 |
| B | 39 | 3 | 0.39 | 62 | 13 | 09S +0.66 | 462 |
| B | 39 | 5 | 0.37 | 132 | 12 | 09S +0.70 | 463 |
| B | 39 | 8 | 0.63 | 126 | 13 | 07S +0.73 | 464 |
| B | 39 | 9 | 0.4 | 85 | 12 | 07S +0.79 | 465 |
| B | 39 | 11 | 0.32 | 70 | 10 | 09S +0.69 | 466 |
| B | 39 | 34 | 0.49 | 96 | 10 | 09S -0.78 | 467 |
| B | 39 | 49 | 0.58 | 96 | 11 | 03S -0.76 | 468 |
| B | 39 | 61 | 0.57 | 77 | 16 | 09S -0.70 | 469 |
| B | 39 | 116 | 0.35 | 65 | 7 | 09S -0.78 | 470 |
| B | 40 | 3 | 0.43 | 45 | 14 | 09S +0.68 | 471 |
| B | 40 | 5 | 0.38 | 96 | 13 | 09S +0.70 | 472 |
| B | 40 | 6 | 0.44 | 121 | 9 | 09S -0.61 | 473 |
| B | 40 | 8 | 0.44 | 90 | 9 | 07S +0.71 | 474 |
| B | 40 | 9 | 0.35 | 90 | 10 | 07S +0.68 | 475 |
| B | 40 | 25 | 0.41 | 34 | 12 | 10S +0.86 | 476 |
| B | 40 | 35 | 0.31 | 85 | 9 | 02S -0.80 | 477 |
| B | 40 | 49 | 0.46 | 112 | 9 | 07S -0.76 | 478 |
| B | 40 | 52 | 0.53 | 86 | 11 | 07S -0.76 | 479 |
| B | 40 | 117 | 0.21 | 105 | 4 | 13S -0.78 | 480 |
| B | 41 | 4 | 0.48 | 66 | 10 | 09S +0.77 | 481 |
| B | 41 | 7 | 0.36 | 92 | 12 | 07S +0.69 | 482 |
| B | 41 | 8 | 0.29 | 109 | 6 | 07S +0.67 | 483 |
| B | 41 | 11 | 0.34 | 56 | 8 | 08S -0.66 | 484 |
| B | 41 | 38 | 0.94 | 86 | 17 | 09S -0.73 | 485 |
| B | 41 | 56 | 0.3 | 97 | 6 | 03S -0.75 | 486 |
| B | 42 | 7 | 0.33 | 71 | 11 | 07S +0.69 | 487 |
| B | 42 | 11 | 0.48 | 47 | 14 | 03S -0.61 | 488 |
| B | 42 | 11 | 0.24 | 61 | 7 | 09S +0.71 | 488 |
| B | 42 | 28 | 0.62 | 68 | 13 | 09S -0.70 | 489 |
| B | 42 | 46 | 0.38 | 86 | 8 | 09S -0.77 | 490 |
| B | 42 | 69 | 0.55 | 88 | 12 | 03S -0.63 | 491 |
| B | 42 | 113 | 0.43 | 46 | 8 | 09S -0.78 | 492 |
| B | 42 | 115 | 0.24 | 134 | 5 | 06S +0.62 | 493 |
| B | 42 | 117 | 0.27 | 118 | 5 | 13S -0.86 | 494 |
| B | 43 | 3 | 0.48 | 57 | 10 | 09S +0.75 | 495 |
| B | 43 | 4 | 0.33 | 57 | 11 | 05S +0.67 | 496 |
| B | 43 | 6 | 0.38 | 80 | 13 | 07S +0.67 | 497 |
| B | 43 | 7 | 0.32 | 90 | 7 | 07S +0.69 | 498 |
| B | 43 | 7 | 0.42 | 44 | 9 | 09S -0.74 | 498 |
| B | 43 | 8 | 0.23 | 105 | 8 | 09S -0.71 | 499 |
| B | 43 | 9 | 0.19 | 105 | 4 | 03S -0.74 | 500 |
| B | 43 | 13 | 0.22 | 86 | 5 | 06S +0.46 | 501 |
| B | 43 | 19 | 0.44 | 111 | 9 | 09S -0.75 | 502 |
| B | 43 | 26 | 0.46 | 44 | 13 | 07S -0.66 | 503 |
| B | 43 | 44 | 0.41 | 76 | 12 | 03S -0.77 | 504 |
| B | 43 | 116 | 0.37 | 43 | 7 | 03S -0.73 | 505 |
| B | 44 | 1 | 0.29 | 120 | 10 | 12S -0.78 | 506 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 44 | 7 | 0.31 | 82 | 11 | 07S +0.73 | 507 |
| B | 44 | 8 | 0.33 | 109 | 7 | 08S +0.66 | 508 |
| B | 44 | 8 | 0.43 | 66 | 9 | 09S -0.63 | 508 |
| B | 44 | 22 | 0.41 | 62 | 12 | 03S -0.68 | 509 |
| B | 44 | 38 | 0.25 | 89 | 5 | 05S -0.78 | 510 |
| B | 45 | 3 | 0.44 | 84 | 14 | 09S +0.74 | 511 |
| B | 45 | 7 | 0.6 | 114 | 18 | 07S +0.69 | 512 |
| B | 45 | 8 | 0.45 | 77 | 9 | 09S +0.86 | 513 |
| B | 45 | 35 | 1.06 | 91 | 19 | 07S -0.80 | 514 |
| B | 45 | 44 | 0.46 | 100 | 13 | 15S +0.50 | 515 |
| B | 45 | 55 | 0.38 | 94 | 8 | 07S -0.78 | 516 |
| B | 45 | 118 | 0.12 | 60 | 4 | 07S -0.77 | 517 |
| B | 46 | 6 | 0.35 | 86 | 8 | 07S +0.69 | 518 |
| B | 46 | 7 | 0.44 | 87 | 14 | 07S +0.71 | 519 |
| B | 46 | 8 | 0.36 | 48 | 8 | 09S +0.64 | 520 |
| B | 46 | 12 | 0.33 | 82 | 7 | 03S -0.70 | 521 |
| B | 46 | 48 | 0.19 | 301 | 6 | 03S -0.73 | 522 |
| B | 46 | 52 | 0.22 | 96 | 7 | 07S -0.79 | 523 |
| B | 46 | 55 | 0.37 | 226 | 8 | 03S -0.74 | 524 |
| B | 46 | 67 | 0.54 | 88 | 11 | 07S -0.65 | 525 |
| B | 46 | 116 | 0.21 | 79 | 7 | 09S -0.84 | 526 |
| B | 46 | 117 | 0.17 | 58 | 4 | 07S -0.73 | 527 |
| B | 47 | 3 | 0.23 | 97 | 8 | 08S -0.71 | 528 |
| B | 47 | 5 | 0.29 | 93 | 10 | 07S +0.71 | 529 |
| B | 47 | 6 | 0.37 | 36 | 8 | 07S +0.75 | 530 |
| B | 47 | 6 | 0.35 | 152 | 7 | 09S -0.76 | 530 |
| B | 47 | 7 | 0.63 | 101 | 19 | 07S +0.73 | 531 |
| B | 47 | 8 | 0.3 | 72 | 6 | 07S +0.71 | 532 |
| B | 47 | 8 | 0.52 | 66 | 11 | 09S -0.70 | 532 |
| B | 47 | 10 | 0.16 | 123 | 6 | 09S -0.69 | 533 |
| B | 47 | 38 | 0.49 | 221 | 10 | 05S -0.78 | 534 |
| B | 47 | 53 | 0.44 | 84 | 9 | 07S -0.78 | 535 |
| B | 47 | 78 | 0.38 | 68 | 11 | 06S +0.76 | 536 |
| B | 48 | 7 | 0.57 | 111 | 11 | 07S +0.73 | 537 |
| B | 48 | 7 | 0.52 | 133 | 11 | 09S -0.74 | 537 |
| B | 48 | 9 | 0.27 | 68 | 6 | 07S +0.69 | 538 |
| B | 48 | 9 | 0.59 | 39 | 12 | 09S +0.68 | 538 |
| B | 48 | 35 | 0.35 | 104 | 7 | 09S -0.77 | 539 |
| B | 48 | 64 | 0.58 | 25 | 18 | 09S -0.70 | 540 |
| B | 48 | 111 | 0.16 | 105 | 6 | 08S -0.77 | 541 |
| B | 48 | 119 | 0.29 | 129 | 6 | 06S +0.60 | 542 |
| B | 48 | 122 | 0.38 | 92 | 12 | 10S -0.71 | 543 |
| B | 49 | 4 | 0.39 | 65 | 8 | 08S +0.61 | 544 |
| B | 49 | 6 | 0.29 | 122 | 6 | 07S +0.73 | 545 |
| B | 49 | 8 | 0.3 | 86 | 6 | 07S +0.73 | 546 |
| B | 49 | 9 | 0.43 | 39 | 14 | 08S +0.74 | 547 |
| B | 49 | 52 | 0.21 | 69 | 7 | 03S -0.84 | 548 |
| B | 49 | 78 | 0.33 | 67 | 7 | 12S -0.42 | 549 |
| B | 49 | 119 | 0.38 | 90 | 7 | 06S +0.69 | 550 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 49 | 120 | 0.26 | 89 | 9 | 06S +0.66 | 551 |
| B | 49 | 120 | 0.15 | 20 | 5 | 06S -0.77 | 551 |
| B | 49 | 121 | 0.23 | 74 | 5 | 09S -0.80 | 552 |
| B | 50 | 1 | 0.44 | 48 | 14 | 04S +0.80 | 553 |
| B | 50 | 3 | 0.38 | 120 | 8 | 09S -0.76 | 554 |
| B | 50 | 4 | 0.4 | 109 | 13 | 09S +0.70 | 555 |
| B | 50 | 6 | 0.32 | 79 | 11 | 09S +0.68 | 556 |
| B | 50 | 6 | 0.39 | 19 | 13 | 09S -0.78 | 556 |
| B | 50 | 13 | 0.45 | 57 | 9 | 03S -0.68 | 557 |
| B | 50 | 25 | 0.43 | 84 | 9 | 07S -0.72 | 558 |
| B | 50 | 37 | 0.38 | 162 | 11 | 03S -0.75 | 559 |
| B | 50 | 55 | 0.14 | 103 | 3 | 07S -0.73 | 560 |
| B | 51 | 6 | 0.38 | 108 | 8 | 09S -0.76 | 561 |
| B | 51 | 17 | 0.39 | 71 | 8 | 07S -0.72 | 562 |
| B | 51 | 33 | 0.42 | 88 | 9 | 09S -0.72 | 563 |
| B | 51 | 37 | 0.96 | 76 | 18 | 09S -0.78 | 564 |
| B | 51 | 50 | 0.32 | 58 | 7 | 07S -0.76 | 565 |
| B | 51 | 78 | 0.24 | 83 | 8 | 03S -0.70 | 566 |
| B | 51 | 83 | 0.26 | 81 | 8 | 05S -0.72 | 567 |
| B | 52 | 6 | 0.53 | 81 | 11 | 07S +0.67 | 568 |
| B | 52 | 6 | 0.19 | 88 | 4 | 09S -0.74 | 568 |
| B | 52 | 7 | 0.27 | 63 | 9 | 07S -0.65 | 569 |
| B | 52 | 7 | 0.43 | 108 | 14 | 07S +0.74 | 569 |
| B | 52 | 7 | 0.25 | 102 | 9 | 09S +0.68 | 569 |
| B | 52 | 7 | 0.25 | 29 | 9 | 09S -0.72 | 569 |
| B | 52 | 8 | 0.24 | 72 | 5 | 07S +0.73 | 570 |
| B | 52 | 28 | 0.43 | 83 | 13 | 07S -0.68 | 571 |
| B | 52 | 30 | 0.66 | 95 | 18 | 10S -0.76 | 572 |
| B | 52 | 46 | 0.44 | 104 | 13 | 07S -0.75 | 573 |
| B | 52 | 68 | 0.3 | 86 | 7 | 03S -0.70 | 574 |
| B | 53 | 7 | 0.32 | 69 | 11 | 09S +0.72 | 575 |
| B | 53 | 26 | 0.3 | 98 | 9 | 03S -0.66 | 576 |
| B | 53 | 32 | 0.36 | 64 | 11 | 07S -0.70 | 577 |
| B | 53 | 36 | 0.69 | 65 | 14 | 09S -0.66 | 578 |
| B | 53 | 57 | 0.32 | 66 | 10 | 07S -0.80 | 579 |
| B | 53 | 59 | 0.34 | 81 | 10 | 07S -0.82 | 580 |
| B | 53 | 123 | 0.24 | 89 | 8 | 08S -0.77 | 581 |
| B | 53 | 124 | 0.47 | 27 | 9 | 09S -0.86 | 582 |
| B | 54 | 1 | 0.37 | 92 | 10 | 11S -0.82 | 583 |
| B | 54 | 6 | 0.53 | 101 | 16 | 07S +0.73 | 584 |
| B | 54 | 7 | 0.39 | 46 | 8 | 07S +0.69 | 585 |
| B | 54 | 28 | 0.16 | 86 | 5 | 05S -0.77 | 586 |
| B | 54 | 58 | 0.35 | 84 | 10 | 09S -0.75 | 587 |
| B | 54 | 114 | 0.23 | 95 | 8 | 07S -0.82 | 588 |
| B | 54 | 121 | 0.54 | 61 | 10 | 07S -0.73 | 589 |
| B | 54 | 124 | 0.36 | 98 | 11 | 09S -0.77 | 590 |
| B | 55 | 4 | 0.61 | 132 | 12 | 09S +0.68 | 591 |
| B | 55 | 30 | 0.64 | 54 | 13 | 09S -0.66 | 592 |
| B | 55 | 87 | 0.25 | 83 | 6 | 11S +0.72 | 593 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|-------------|-----------|------------|
| B | 56 | 4 | 0.3 | 111 | 11 | 08S +0.78 | 594 |
| B | 56 | 21 | 0.24 | 120 | 5 | 05S -0.68 | 595 |
| B | 56 | 39 | 0.92 | 79 | 17 | 07S -0.73 | 596 |
| B | 56 | 39 | 0.61 | 38 | 12 | 03S -0.75 | 596 |
| B | 56 | 45 | 0.3 | 106 | 6 | 07S -0.75 | 597 |
| B | 56 | 72 | 0.3 | 101 | 11 | 03S -0.70 | 598 |
| B | 56 | 78 | 0.37 | 76 | 8 | 01S -0.67 | 599 |
| B | 56 | 111 | 0.18 | 83 | 6 | 07S -0.75 | 600 |
| B | 56 | 122 | 0.46 | 84 | 9 | 07S -0.78 | 601 |
| B | 56 | 124 | 0.28 | 101 | 5 | 05S -0.84 | 602 |
| B | 56 | 127 | 0.3 | 41 | 10 | 07S -0.75 | 603 |
| B | 57 | 2 | 0.38 | 56 | 10 | 12S +0.72 | 604 |
| B | 57 | 6 | 0.32 | 104 | 11 | 07S +0.73 | 605 |
| B | 57 | 39 | 0.5 | 83 | 14 | 07S -0.78 | 606 |
| B | 57 | 122 | 0.3 | 91 | 10 | 07S -0.75 | 607 |
| B | 57 | 126 | 0.48 | 78 | 14 | 07S -0.71 | 608 |
| B | 58 | 6 | 0.46 | 48 | 10 | 09S +0.61 | 609 |
| B | 58 | 8 | 0.14 | 57 | 3 | 03S -0.63 | 610 |
| B | 58 | 39 | 0.28 | 100 | 9 | 03S -0.66 | 611 |
| B | 58 | 49 | 0.24 | 68 | 5 | 11S +0.64 | 612 |
| B | 58 | 71 | 0.26 | 44 | 10 | 07S -0.66 | 613 |
| B | 58 | 78 | 0.4 | 83 | 9 | 07S -0.68 | 614 |
| B | 58 | 86 | 0.29 | 75 | 10 | 07S -0.70 | 615 |
| B | 58 | 101 | 0.17 | 117 | 4 | 07S -0.78 | 616 |
| B | 58 | 124 | 0.19 | 117 | 6 | 08S -0.73 | 617 |
| B | 58 | 125 | 0.36 | 88 | 7 | 08S -0.77 | 618 |
| B | 58 | 125 | 0.34 | 42 | 7 | 07S -0.75 | 618 |
| B | 58 | 125 | 0.26 | 43 | 5 | 07S +0.60 | 618 |
| B | 58 | 126 | 0.35 | 71 | 11 | 07S +0.69 | 619 |
| B | 58 | 127 | 0.25 | 75 | 5 | 08S -0.82 | 620 |
| B | 59 | 1 | 0.62 | 110 | 15 | 09S -0.67 | 621 |
| B | 59 | 5 | 0.38 | 33 | 13 | 09S -0.74 | 622 |
| B | 59 | 7 | 0.28 | 59 | 10 | 07S +0.73 | 623 |
| B | 59 | 45 | 0.33 | 96 | 10 | 07S -0.77 | 624 |
| B | 59 | 56 | 0.54 | 87 | 12 | 07S -0.70 | 625 |
| B | 59 | 113 | 0.56 | 85 | 10 | 07S -0.71 | 626 |
| B | 59 | 114 | 0.26 | 97 | 8 | 05S +0.66 | 627 |
| B | 59 | 118 | 0.29 | 80 | 9 | 07S -0.75 | 628 |
| B | 59 | 121 | 0.34 | 35 | 7 | 09S -0.73 | 629 |
| B | 59 | 122 | 0.67 | 104 | 18 | 09S -0.75 | 630 |
| B | 59 | 122 | 0.46 | 75 | 14 | 07S -0.78 | 630 |
| B | 59 | 123 | 0.24 | 75 | 5 | 09S +0.62 | 631 |
| B | 60 | 1 | 0.39 | 37 | 10 | 12S -0.78 | 632 |
| B | 60 | 6 | 0.16 | 134 | 4 | 03S -0.63 | 633 |
| B | 60 | 16 | 0.32 | 51 | 6 | 04S -0.83 | 634 |
| B | 60 | 48 | 0.37 | 77 | 11 | 07S -0.75 | 635 |
| B | 60 | 52 | 0.28 | 57 | 9 | 07S -0.71 | 636 |
| B | 60 | 70 | 0.23 | 84 | 5 | 05S +0.72 | 637 |
| B | 60 | 117 | 0.49 | 78 | 9 | 07S -0.73 | 638 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 60 | 119 | 1.06 | 84 | 18 | 07S -0.78 | 639 |
| B | 60 | 120 | 0.28 | 89 | 9 | 03S -0.79 | 640 |
| B | 60 | 124 | 0.3 | 54 | 10 | 07S -0.77 | 641 |
| B | 60 | 125 | 0.15 | 64 | 3 | 07S -0.77 | 642 |
| B | 60 | 126 | 0.23 | 83 | 8 | 09S -0.75 | 643 |
| B | 60 | 127 | 0.29 | 138 | 6 | 09S -0.82 | 644 |
| B | 60 | 127 | 0.32 | 49 | 6 | 08S -0.80 | 644 |
| B | 60 | 127 | 0.44 | 39 | 8 | 07S -0.73 | 644 |
| B | 61 | 1 | 0.46 | 138 | 12 | 09S -0.67 | 645 |
| B | 61 | 27 | 0.58 | 52 | 10 | 09S -0.73 | 646 |
| B | 61 | 28 | 0.44 | 55 | 8 | 07S -0.78 | 647 |
| B | 61 | 34 | 0.39 | 101 | 7 | 12S -0.71 | 648 |
| B | 61 | 42 | 0.7 | 78 | 18 | 07S -0.73 | 649 |
| B | 61 | 44 | 0.3 | 86 | 9 | 03S -0.73 | 650 |
| B | 61 | 50 | 0.31 | 71 | 10 | 07S -0.75 | 651 |
| B | 61 | 68 | 0.21 | 73 | 5 | 05S +0.78 | 652 |
| B | 61 | 124 | 0.2 | 112 | 4 | 09S +0.62 | 653 |
| B | 62 | 4 | 0.22 | 36 | 6 | 09S +0.70 | 654 |
| B | 62 | 6 | 0.35 | 60 | 8 | 07S +0.73 | 655 |
| B | 62 | 13 | 0.42 | 79 | 14 | 03S -0.69 | 656 |
| B | 62 | 56 | 0.16 | 64 | 4 | 07S -0.70 | 657 |
| B | 62 | 58 | 0.22 | 89 | 6 | 09S +0.82 | 658 |
| B | 62 | 83 | 0.24 | 54 | 9 | 02S +0.83 | 659 |
| B | 62 | 103 | 0.24 | 83 | 5 | 07S -0.77 | 660 |
| B | 62 | 115 | 0.37 | 90 | 12 | 14S -0.80 | 661 |
| B | 62 | 122 | 0.3 | 58 | 6 | 05S +0.59 | 662 |
| B | 62 | 127 | 0.15 | 68 | 5 | 08S -0.77 | 663 |
| B | 63 | 1 | 0.39 | 90 | 10 | 12S -0.78 | 664 |
| B | 63 | 7 | 0.29 | 34 | 10 | 08S -0.71 | 665 |
| B | 63 | 12 | 0.73 | 58 | 14 | 04S +0.78 | 666 |
| B | 63 | 19 | 0.42 | 77 | 11 | 03S -0.71 | 667 |
| B | 63 | 25 | 0.46 | 65 | 12 | 05S -0.80 | 668 |
| B | 63 | 69 | 1.26 | 91 | 22 | 07S -0.65 | 669 |
| B | 63 | 113 | 0.24 | 81 | 5 | 04S +0.68 | 670 |
| B | 63 | 117 | 0.37 | 95 | 12 | 05S +0.74 | 671 |
| B | 63 | 124 | 0.18 | 92 | 4 | 04S +0.67 | 672 |
| B | 63 | 125 | 0.3 | 83 | 10 | 08S -0.68 | 673 |
| B | 63 | 125 | 0.3 | 106 | 10 | 07S +0.70 | 673 |
| B | 64 | 5 | 0.56 | 106 | 13 | 09S -0.72 | 674 |
| B | 64 | 8 | 0.32 | 65 | 11 | 09S +0.74 | 675 |
| B | 64 | 34 | 0.44 | 68 | 8 | 05S -0.77 | 676 |
| B | 64 | 34 | 0.28 | 45 | 5 | 04S +0.73 | 676 |
| B | 64 | 68 | 0.3 | 74 | 11 | 07S -0.74 | 677 |
| B | 64 | 77 | 0.37 | 89 | 8 | 07S -0.68 | 678 |
| B | 64 | 105 | 0.27 | 76 | 6 | 14S -0.84 | 679 |
| B | 64 | 121 | 0.51 | 88 | 10 | 04S +0.69 | 680 |
| B | 64 | 123 | 0.39 | 112 | 12 | 07S +0.57 | 681 |
| B | 65 | 1 | 0.25 | 105 | 6 | 14S -0.65 | 682 |
| B | 65 | 8 | 0.44 | 23 | 9 | 03S -0.69 | 683 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 65 | 50 | 0.51 | 39 | 15 | 07S -0.75 | 684 |
| B | 65 | 52 | 0.46 | 45 | 13 | 09S -0.77 | 685 |
| B | 65 | 52 | 0.25 | 78 | 8 | 06S +0.55 | 685 |
| B | 65 | 64 | 0.18 | 88 | 6 | 09S +0.81 | 686 |
| B | 65 | 71 | 0.26 | 51 | 5 | 09S -0.75 | 687 |
| B | 65 | 71 | 0.31 | 37 | 6 | 07S -0.69 | 687 |
| B | 65 | 112 | 0.41 | 97 | 12 | 04S +0.58 | 688 |
| B | 65 | 113 | 0.41 | 83 | 8 | 04S +0.75 | 689 |
| B | 65 | 115 | 0.56 | 93 | 15 | 04S +0.85 | 690 |
| B | 65 | 116 | 0.29 | 131 | 6 | 05S +0.64 | 691 |
| B | 65 | 119 | 1.12 | 98 | 25 | 05S +0.67 | 692 |
| B | 65 | 121 | 0.63 | 97 | 17 | 05S +0.66 | 693 |
| B | 65 | 122 | 0.64 | 82 | 12 | 05S +0.72 | 694 |
| B | 65 | 125 | 0.28 | 81 | 8 | 04S +0.66 | 695 |
| B | 65 | 127 | 0.32 | 109 | 9 | 09S -0.75 | 696 |
| B | 65 | 127 | 0.39 | 99 | 11 | 07S +0.60 | 696 |
| B | 65 | 127 | 0.2 | 65 | 6 | 07S -0.76 | 696 |
| B | 66 | 1 | 0.53 | 48 | 14 | 13S +0.72 | 697 |
| B | 66 | 4 | 0.6 | 45 | 14 | 09S +0.70 | 698 |
| B | 66 | 5 | 0.53 | 76 | 12 | 09S -0.72 | 699 |
| B | 66 | 37 | 0.89 | 90 | 15 | 09S -0.75 | 700 |
| B | 66 | 57 | 0.19 | 83 | 5 | 07S -0.81 | 701 |
| B | 66 | 58 | 0.49 | 82 | 12 | 07S -0.81 | 702 |
| B | 66 | 64 | 0.19 | 89 | 5 | 09S +0.75 | 703 |
| B | 66 | 67 | 0.21 | 74 | 4 | 07S -0.70 | 704 |
| B | 66 | 72 | 0.28 | 50 | 6 | 07S -0.69 | 705 |
| B | 66 | 91 | 0.13 | 62 | 5 | 03S -0.66 | 706 |
| B | 66 | 106 | 0.46 | 95 | 13 | 07S -0.73 | 707 |
| B | 66 | 111 | 0.55 | 91 | 11 | 05S +0.69 | 708 |
| B | 66 | 112 | 0.26 | 97 | 8 | 05S +0.72 | 709 |
| B | 66 | 126 | 0.82 | 92 | 20 | 04S +0.64 | 710 |
| B | 67 | 5 | 0.43 | 76 | 14 | 09S -0.73 | 711 |
| B | 67 | 26 | 0.21 | 35 | 6 | 09S +0.69 | 712 |
| B | 67 | 33 | 0.76 | 89 | 13 | 07S -0.75 | 713 |
| B | 67 | 38 | 0.35 | 59 | 7 | 09S +0.74 | 714 |
| B | 67 | 40 | 0.43 | 54 | 13 | 09S +0.67 | 715 |
| B | 67 | 42 | 0.49 | 91 | 14 | 09S +0.69 | 716 |
| B | 67 | 44 | 0.31 | 39 | 10 | 09S -0.71 | 717 |
| B | 67 | 47 | 0.37 | 119 | 11 | 09S +0.69 | 718 |
| B | 67 | 49 | 0.29 | 71 | 9 | 09S -0.69 | 719 |
| B | 67 | 50 | 0.42 | 59 | 9 | 09S -0.71 | 720 |
| B | 67 | 51 | 0.35 | 35 | 11 | 09S -0.73 | 721 |
| B | 67 | 52 | 0.96 | 86 | 17 | 07S -0.76 | 722 |
| B | 67 | 54 | 0.2 | 66 | 4 | 09S -0.71 | 723 |
| B | 67 | 55 | 0.9 | 47 | 22 | 09S +0.69 | 724 |
| B | 67 | 59 | 0.56 | 83 | 12 | 09S +0.77 | 725 |
| B | 67 | 62 | 0.24 | 87 | 7 | 09S +0.79 | 726 |
| B | 67 | 63 | 0.27 | 76 | 10 | 09S +0.76 | 727 |
| B | 67 | 64 | 0.23 | 108 | 5 | 09S +0.77 | 728 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 67 | 70 | 0.3 | 101 | 6 | 03S -0.81 | 729 |
| B | 67 | 71 | 0.3 | 82 | 6 | 08S -0.72 | 730 |
| B | 67 | 112 | 0.46 | 99 | 14 | 05S +0.68 | 731 |
| B | 67 | 112 | 0.44 | 99 | 13 | 04S +0.63 | 731 |
| B | 67 | 113 | 0.34 | 104 | 7 | 04S +0.69 | 732 |
| B | 67 | 123 | 0.19 | 35 | 6 | 08S -0.73 | 733 |
| B | 67 | 125 | 0.34 | 83 | 10 | 07S -0.73 | 734 |
| B | 67 | 126 | 0.62 | 94 | 12 | 09S +0.64 | 735 |
| B | 67 | 126 | 0.38 | 117 | 8 | 07S -0.75 | 735 |
| B | 68 | 3 | 0.23 | 110 | 6 | 11S -0.63 | 736 |
| B | 68 | 5 | 0.46 | 70 | 10 | 09S +0.72 | 737 |
| B | 68 | 21 | 1.05 | 91 | 17 | 08S -0.82 | 738 |
| B | 68 | 30 | 0.27 | 110 | 5 | 07S -0.80 | 739 |
| B | 68 | 33 | 0.64 | 80 | 11 | 07S -0.75 | 740 |
| B | 68 | 38 | 0.42 | 59 | 8 | 09S +0.70 | 741 |
| B | 68 | 41 | 0.43 | 30 | 13 | 12S -0.77 | 742 |
| B | 68 | 42 | 0.69 | 102 | 13 | 09S +0.59 | 743 |
| B | 68 | 43 | 0.71 | 37 | 19 | 09S -0.71 | 744 |
| B | 68 | 44 | 0.3 | 127 | 6 | 09S -0.71 | 745 |
| B | 68 | 45 | 0.76 | 83 | 20 | 09S +0.72 | 746 |
| B | 68 | 45 | 0.45 | 54 | 13 | 09S -0.68 | 746 |
| B | 68 | 45 | 0.29 | 38 | 9 | 05S +0.62 | 746 |
| B | 68 | 47 | 0.62 | 142 | 12 | 09S +0.65 | 747 |
| B | 68 | 48 | 0.75 | 78 | 20 | 09S +0.69 | 748 |
| B | 68 | 49 | 0.46 | 86 | 9 | 09S +0.65 | 749 |
| B | 68 | 50 | 0.61 | 124 | 17 | 09S +0.67 | 750 |
| B | 68 | 50 | 0.41 | 139 | 12 | 09S -0.71 | 750 |
| B | 68 | 50 | 0.28 | 117 | 9 | 07S -0.73 | 750 |
| B | 68 | 51 | 0.64 | 128 | 12 | 09S -0.71 | 751 |
| B | 68 | 51 | 0.63 | 51 | 12 | 09S +0.65 | 751 |
| B | 68 | 52 | 0.47 | 124 | 14 | 09S +0.62 | 752 |
| B | 68 | 52 | 0.49 | 88 | 14 | 09S -0.62 | 752 |
| B | 68 | 53 | 0.58 | 70 | 11 | 09S +0.61 | 753 |
| B | 68 | 53 | 0.37 | 31 | 8 | 09S -0.69 | 753 |
| B | 68 | 54 | 0.62 | 93 | 17 | 07S -0.79 | 754 |
| B | 68 | 56 | 0.47 | 93 | 10 | 09S +0.65 | 755 |
| B | 68 | 57 | 0.13 | 73 | 3 | 09S -0.61 | 756 |
| B | 68 | 57 | 0.45 | 104 | 10 | 09S +0.77 | 756 |
| B | 68 | 58 | 0.3 | 98 | 6 | 09S +0.80 | 757 |
| B | 68 | 59 | 0.26 | 64 | 8 | 07S -0.68 | 758 |
| B | 68 | 59 | 0.36 | 69 | 11 | 09S -0.64 | 758 |
| B | 68 | 59 | 0.47 | 96 | 14 | 09S +0.77 | 758 |
| B | 68 | 60 | 0.25 | 73 | 6 | 09S -0.57 | 759 |
| B | 68 | 60 | 0.35 | 90 | 7 | 09S +0.82 | 759 |
| B | 68 | 61 | 0.44 | 97 | 13 | 09S +0.77 | 760 |
| B | 68 | 62 | 0.21 | 68 | 5 | 09S -0.59 | 761 |
| B | 68 | 62 | 0.43 | 95 | 9 | 09S +0.73 | 761 |
| B | 68 | 63 | 0.24 | 100 | 7 | 09S +0.79 | 762 |
| B | 68 | 64 | 0.55 | 95 | 11 | 09S +0.77 | 763 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 68 | 67 | 0.29 | 112 | 6 | 03S -0.81 | 764 |
| B | 68 | 69 | 0.22 | 70 | 5 | 07S -0.77 | 765 |
| B | 68 | 70 | 0.31 | 45 | 6 | 09S -0.68 | 766 |
| B | 68 | 102 | 0.19 | 93 | 4 | 07S -0.75 | 767 |
| B | 68 | 111 | 0.3 | 97 | 10 | 04S +0.58 | 768 |
| B | 68 | 125 | 0.56 | 95 | 11 | 05S -0.58 | 769 |
| B | 68 | 127 | 0.25 | 120 | 5 | 07S -0.42 | 770 |
| B | 68 | 129 | 0.31 | 81 | 7 | 09S -0.75 | 771 |
| B | 68 | 129 | 0.12 | 103 | 3 | 09S +0.69 | 771 |
| B | 69 | 8 | 0.39 | 96 | 13 | 12S -0.75 | 772 |
| B | 69 | 14 | 0.32 | 152 | 11 | 03S -0.64 | 773 |
| B | 69 | 15 | 0.25 | 110 | 6 | 04S +0.74 | 774 |
| B | 69 | 17 | 0.2 | 78 | 6 | 03S +0.66 | 775 |
| B | 69 | 17 | 0.37 | 64 | 10 | 03S -0.79 | 775 |
| B | 69 | 40 | 0.33 | 90 | 6 | 09S +0.67 | 776 |
| B | 69 | 40 | 0.33 | 42 | 6 | 09S -0.71 | 776 |
| B | 69 | 43 | 0.33 | 114 | 10 | 09S +0.67 | 777 |
| B | 69 | 44 | 0.73 | 34 | 14 | 09S +0.63 | 778 |
| B | 69 | 45 | 0.68 | 105 | 18 | 09S +0.74 | 779 |
| B | 69 | 46 | 0.76 | 114 | 20 | 09S +0.71 | 780 |
| B | 69 | 46 | 0.28 | 117 | 9 | 07S -0.79 | 780 |
| B | 69 | 47 | 0.68 | 103 | 13 | 09S +0.70 | 781 |
| B | 69 | 47 | 0.28 | 60 | 6 | 09S -0.73 | 781 |
| B | 69 | 48 | 0.67 | 85 | 18 | 09S +0.62 | 782 |
| B | 69 | 48 | 0.2 | 76 | 7 | 09S -0.70 | 782 |
| B | 69 | 49 | 0.73 | 83 | 14 | 09S +0.61 | 783 |
| B | 69 | 49 | 0.77 | 53 | 15 | 09S -0.69 | 783 |
| B | 69 | 49 | 0.44 | 35 | 9 | 05S +0.64 | 783 |
| B | 69 | 50 | 0.49 | 97 | 14 | 09S +0.69 | 784 |
| B | 69 | 50 | 0.37 | 81 | 11 | 09S -0.73 | 784 |
| B | 69 | 51 | 0.72 | 75 | 14 | 09S +0.63 | 785 |
| B | 69 | 51 | 0.44 | 58 | 9 | 09S -0.71 | 785 |
| B | 69 | 52 | 0.64 | 66 | 17 | 09S +0.64 | 786 |
| B | 69 | 52 | 0.46 | 47 | 13 | 09S -0.66 | 786 |
| B | 69 | 53 | 0.41 | 150 | 8 | 10S -0.79 | 787 |
| B | 69 | 53 | 0.38 | 71 | 8 | 09S +0.72 | 787 |
| B | 69 | 53 | 0.69 | 158 | 13 | 09S -0.67 | 787 |
| B | 69 | 54 | 0.52 | 92 | 15 | 09S +0.65 | 788 |
| B | 69 | 54 | 0.99 | 71 | 23 | 09S -0.71 | 788 |
| B | 69 | 55 | 0.65 | 88 | 13 | 09S +0.65 | 789 |
| B | 69 | 55 | 0.4 | 84 | 8 | 09S -0.73 | 789 |
| B | 69 | 55 | 0.12 | 80 | 3 | 04S +0.71 | 789 |
| B | 69 | 56 | 0.91 | 88 | 22 | 09S -0.73 | 790 |
| B | 69 | 56 | 0.84 | 93 | 21 | 07S -0.79 | 790 |
| B | 69 | 57 | 0.27 | 113 | 6 | 09S +0.69 | 791 |
| B | 69 | 57 | 0.25 | 131 | 5 | 09S +0.54 | 791 |
| B | 69 | 58 | 0.27 | 75 | 6 | 09S -0.62 | 792 |
| B | 69 | 58 | 0.69 | 96 | 14 | 09S +0.82 | 792 |
| B | 69 | 59 | 0.37 | 82 | 8 | 09S -0.62 | 793 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 69 | 59 | 1.5 | 82 | 24 | 09S +0.86 | 793 |
| B | 69 | 60 | 0.38 | 82 | 11 | 09S -0.50 | 794 |
| B | 69 | 60 | 0.71 | 88 | 19 | 09S +0.75 | 794 |
| B | 69 | 61 | 0.48 | 91 | 10 | 09S +0.75 | 795 |
| B | 69 | 62 | 0.39 | 95 | 12 | 09S +0.81 | 796 |
| B | 69 | 62 | 0.18 | 107 | 6 | 09S -0.66 | 796 |
| B | 69 | 63 | 0.4 | 108 | 9 | 09S +0.79 | 797 |
| B | 69 | 64 | 0.14 | 75 | 4 | 04S +0.77 | 798 |
| B | 69 | 64 | 0.26 | 105 | 8 | 09S +0.77 | 798 |
| B | 69 | 69 | 0.15 | 108 | 3 | 06S +0.66 | 799 |
| B | 69 | 70 | 0.17 | 72 | 4 | 06S +0.67 | 800 |
| B | 69 | 70 | 0.19 | 79 | 4 | 04S +0.63 | 800 |
| B | 69 | 72 | 0.31 | 123 | 6 | 11S -0.58 | 801 |
| B | 69 | 72 | 0.25 | 105 | 5 | 08S -0.74 | 801 |
| B | 69 | 72 | 0.21 | 107 | 4 | 07S +0.56 | 801 |
| B | 69 | 111 | 0.39 | 111 | 8 | 05S +0.69 | 802 |
| B | 69 | 116 | 0.37 | 125 | 11 | 05S +0.50 | 803 |
| B | 69 | 126 | 0.42 | 86 | 12 | 04S +0.80 | 804 |
| B | 69 | 126 | 0.24 | 95 | 7 | 09S -0.66 | 804 |
| B | 69 | 126 | 0.23 | 109 | 7 | 09S +0.58 | 804 |
| B | 69 | 128 | 0.39 | 147 | 11 | 07S -0.52 | 805 |
| B | 70 | 6 | 0.38 | 31 | 11 | 07S -0.74 | 806 |
| B | 70 | 38 | 0.33 | 55 | 10 | 09S -0.69 | 807 |
| B | 70 | 47 | 0.3 | 158 | 9 | 09S -0.67 | 808 |
| B | 70 | 47 | 0.48 | 70 | 13 | 09S +0.79 | 808 |
| B | 70 | 48 | 0.81 | 45 | 13 | 09S -0.67 | 809 |
| B | 70 | 50 | 0.52 | 32 | 14 | 09S +0.70 | 810 |
| B | 70 | 52 | 0.37 | 150 | 11 | 09S -0.69 | 811 |
| B | 70 | 52 | 0.56 | 86 | 15 | 09S +0.65 | 811 |
| B | 70 | 53 | 0.52 | 81 | 9 | 09S -0.56 | 812 |
| B | 70 | 53 | 0.36 | 81 | 6 | 09S +0.79 | 812 |
| B | 70 | 54 | 0.45 | 88 | 13 | 09S -0.71 | 813 |
| B | 70 | 56 | 0.19 | 106 | 6 | 09S -0.60 | 814 |
| B | 70 | 58 | 0.35 | 98 | 10 | 09S -0.69 | 815 |
| B | 70 | 58 | 0.35 | 66 | 10 | 09S +0.79 | 815 |
| B | 70 | 59 | 0.35 | 83 | 6 | 09S -0.53 | 816 |
| B | 70 | 59 | 0.88 | 92 | 14 | 09S +0.86 | 816 |
| B | 70 | 60 | 0.35 | 68 | 10 | 09S +0.79 | 817 |
| B | 70 | 61 | 0.22 | 86 | 4 | 07S -0.71 | 818 |
| B | 70 | 61 | 0.43 | 101 | 7 | 09S -0.63 | 818 |
| B | 70 | 61 | 0.91 | 102 | 14 | 09S +0.74 | 818 |
| B | 70 | 62 | 0.6 | 89 | 10 | 09S +0.81 | 819 |
| B | 70 | 63 | 0.22 | 70 | 4 | 09S -0.67 | 820 |
| B | 70 | 63 | 0.25 | 117 | 4 | 09S +0.79 | 820 |
| B | 70 | 68 | 0.7 | 87 | 13 | 07S -0.76 | 821 |
| B | 70 | 68 | 0.12 | 70 | 3 | 04S +0.73 | 821 |
| B | 70 | 70 | 0.2 | 61 | 4 | 09S -0.75 | 822 |
| B | 70 | 71 | 0.23 | 67 | 5 | 09S -0.72 | 823 |
| B | 70 | 110 | 0.29 | 94 | 6 | 04S +0.73 | 824 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 70 | 111 | 0.51 | 91 | 14 | 04S +0.67 | 825 |
| B | 70 | 111 | 0.32 | 96 | 9 | 05S +0.66 | 825 |
| B | 70 | 128 | 0.57 | 109 | 15 | 09S +0.61 | 826 |
| B | 71 | 6 | 0.36 | 39 | 10 | 03S -0.72 | 827 |
| B | 71 | 26 | 0.33 | 77 | 10 | 07S +0.76 | 828 |
| B | 71 | 38 | 0.9 | 83 | 14 | 07S -0.65 | 829 |
| B | 71 | 42 | 0.52 | 49 | 9 | 09S +0.79 | 830 |
| B | 71 | 43 | 0.47 | 28 | 13 | 06S +0.71 | 831 |
| B | 71 | 43 | 0.53 | 63 | 14 | 09S +0.77 | 831 |
| B | 71 | 46 | 0.4 | 150 | 11 | 09S +0.79 | 832 |
| B | 71 | 48 | 0.42 | 30 | 12 | 09S +0.77 | 833 |
| B | 71 | 48 | 0.27 | 51 | 8 | 09S -0.69 | 833 |
| B | 71 | 49 | 0.44 | 118 | 7 | 09S +0.77 | 834 |
| B | 71 | 50 | 0.49 | 52 | 13 | 09S -0.57 | 835 |
| B | 71 | 51 | 0.55 | 64 | 9 | 03S -0.67 | 836 |
| B | 71 | 51 | 0.54 | 81 | 9 | 09S +0.82 | 836 |
| B | 71 | 54 | 0.32 | 87 | 9 | 09S +0.72 | 837 |
| B | 71 | 55 | 0.83 | 68 | 13 | 07S -0.67 | 838 |
| B | 71 | 55 | 0.34 | 36 | 6 | 07S +0.74 | 838 |
| B | 71 | 55 | 0.51 | 105 | 9 | 09S -0.69 | 838 |
| B | 71 | 55 | 0.44 | 56 | 8 | 09S +0.77 | 838 |
| B | 71 | 56 | 0.31 | 24 | 9 | 09S -0.60 | 839 |
| B | 71 | 56 | 0.21 | 58 | 7 | 09S +0.74 | 839 |
| B | 71 | 57 | 0.28 | 80 | 5 | 09S +0.77 | 840 |
| B | 71 | 58 | 0.2 | 129 | 6 | 09S -0.62 | 841 |
| B | 71 | 58 | 0.23 | 64 | 7 | 09S +0.74 | 841 |
| B | 71 | 59 | 0.38 | 97 | 7 | 09S +0.81 | 842 |
| B | 71 | 60 | 0.25 | 115 | 8 | 09S -0.64 | 843 |
| B | 71 | 61 | 0.22 | 96 | 4 | 09S +0.79 | 844 |
| B | 71 | 62 | 0.42 | 82 | 12 | 09S +0.74 | 845 |
| B | 71 | 63 | 0.27 | 117 | 5 | 09S +0.74 | 846 |
| B | 71 | 71 | 0.21 | 100 | 4 | 08S -0.71 | 847 |
| B | 71 | 76 | 0.22 | 128 | 5 | 07S +0.63 | 848 |
| B | 71 | 82 | 0.34 | 30 | 8 | 07S -0.61 | 849 |
| B | 71 | 86 | 0.17 | 92 | 4 | 04S +0.76 | 850 |
| B | 71 | 111 | 0.27 | 76 | 8 | 05S +0.68 | 851 |
| B | 72 | 2 | 0.28 | 94 | 5 | 13S -0.82 | 852 |
| B | 72 | 39 | 0.62 | 63 | 16 | 12S +0.77 | 853 |
| B | 72 | 41 | 0.29 | 83 | 9 | 09S +0.75 | 854 |
| B | 72 | 43 | 0.42 | 48 | 12 | 09S +0.75 | 855 |
| B | 72 | 46 | 0.73 | 71 | 12 | 07S -0.76 | 856 |
| B | 72 | 46 | 0.29 | 117 | 5 | 09S +0.77 | 856 |
| B | 72 | 50 | 0.42 | 52 | 12 | 07S -0.76 | 857 |
| B | 72 | 50 | 0.25 | 56 | 8 | 09S +0.81 | 857 |
| B | 72 | 51 | 0.46 | 29 | 8 | 09S -0.67 | 858 |
| B | 72 | 51 | 0.35 | 121 | 6 | 09S +0.75 | 858 |
| B | 72 | 53 | 0.56 | 46 | 9 | 09S +0.72 | 859 |
| B | 72 | 54 | 0.51 | 57 | 14 | 09S -0.62 | 860 |
| B | 72 | 54 | 0.59 | 121 | 15 | 09S +0.79 | 860 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 72 | 57 | 0.35 | 84 | 6 | 07S -0.71 | 861 |
| B | 72 | 57 | 0.41 | 93 | 7 | 09S -0.65 | 861 |
| B | 72 | 57 | 0.28 | 102 | 5 | 09S +0.79 | 861 |
| B | 72 | 58 | 0.24 | 128 | 7 | 09S -0.64 | 862 |
| B | 72 | 58 | 0.56 | 87 | 15 | 09S +0.77 | 862 |
| B | 72 | 61 | 0.26 | 92 | 5 | 09S +0.77 | 863 |
| B | 72 | 64 | 0.33 | 73 | 6 | 10S -0.78 | 864 |
| B | 72 | 65 | 0.49 | 71 | 9 | 07S -0.71 | 865 |
| B | 72 | 67 | 0.51 | 69 | 10 | 03S -0.77 | 866 |
| B | 72 | 107 | 0.28 | 95 | 6 | 04S +0.73 | 867 |
| B | 72 | 129 | 0.48 | 99 | 13 | 10S -0.67 | 868 |
| B | 73 | 31 | 0.33 | 19 | 9 | 09S +0.75 | 869 |
| B | 73 | 44 | 0.38 | 68 | 7 | 09S +0.77 | 870 |
| B | 73 | 46 | 0.26 | 164 | 5 | 09S +0.75 | 871 |
| B | 73 | 46 | 0.35 | 55 | 7 | 09S -0.67 | 871 |
| B | 73 | 48 | 0.4 | 42 | 7 | 09S +0.75 | 872 |
| B | 73 | 51 | 0.29 | 78 | 8 | 03S -0.71 | 873 |
| B | 73 | 53 | 0.39 | 33 | 10 | 09S -0.66 | 874 |
| B | 73 | 53 | 0.34 | 53 | 9 | 09S +0.79 | 874 |
| B | 73 | 56 | 0.45 | 59 | 12 | 07S -0.75 | 875 |
| B | 73 | 56 | 0.45 | 154 | 12 | 09S -0.69 | 875 |
| B | 73 | 57 | 0.25 | 107 | 5 | 09S +0.75 | 876 |
| B | 73 | 58 | 0.25 | 145 | 7 | 09S -0.69 | 877 |
| B | 73 | 58 | 0.16 | 91 | 4 | 09S +0.72 | 877 |
| B | 73 | 58 | 0.36 | 83 | 9 | 07S -0.73 | 877 |
| B | 73 | 65 | 0.35 | 59 | 7 | 04S +0.60 | 878 |
| B | 73 | 67 | 0.38 | 132 | 8 | 07S -0.77 | 879 |
| B | 73 | 70 | 0.2 | 70 | 4 | 09S -0.75 | 880 |
| B | 73 | 74 | 0.23 | 114 | 5 | 11S -0.59 | 881 |
| B | 73 | 82 | 0.34 | 61 | 11 | 07S +0.74 | 882 |
| B | 73 | 86 | 0.23 | 49 | 8 | 04S +0.76 | 883 |
| B | 73 | 108 | 0.28 | 96 | 8 | 05S +0.73 | 884 |
| B | 73 | 118 | 0.2 | 76 | 6 | 06S -0.90 | 885 |
| B | 73 | 128 | 0.53 | 97 | 14 | 10S -0.81 | 886 |
| B | 73 | 128 | 0.44 | 120 | 12 | 09S +0.63 | 886 |
| B | 74 | 53 | 0.51 | 33 | 9 | 03S +0.76 | 887 |
| B | 74 | 56 | 0.24 | 68 | 7 | 03S -0.68 | 888 |
| B | 74 | 64 | 0.18 | 124 | 4 | 10S -0.78 | 889 |
| B | 74 | 64 | 0.18 | 67 | 4 | 05S +0.70 | 889 |
| B | 74 | 70 | 0.25 | 103 | 5 | 07S -0.76 | 890 |
| B | 74 | 123 | 0.17 | 62 | 4 | 09S -0.82 | 891 |
| B | 75 | 21 | 0.26 | 114 | 8 | 07S -0.84 | 892 |
| B | 75 | 24 | 0.28 | 104 | 5 | 04S +0.66 | 893 |
| B | 75 | 26 | 0.39 | 61 | 7 | 07S -0.82 | 894 |
| B | 75 | 51 | 0.28 | 88 | 8 | 03S -0.73 | 895 |
| B | 75 | 66 | 0.31 | 115 | 6 | 10S -0.79 | 896 |
| B | 75 | 105 | 0.19 | 68 | 4 | 02S +0.83 | 897 |
| B | 75 | 123 | 0.49 | 88 | 9 | 04S +0.67 | 898 |
| B | 75 | 123 | 0.3 | 126 | 6 | 15S +0.56 | 898 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|-------------|-------------|------------|--------------|------------|------------------------|-----------------|-----------------------|
| B | 75 | 124 | 0.28 | 128 | 6 | 09S -0.83 | 899 |
| B | 76 | 64 | 0.37 | 90 | 7 | 14S -0.77 | 900 |
| B | 76 | 64 | 1.17 | 99 | 19 | 07S -0.81 | 900 |
| B | 76 | 65 | 0.35 | 101 | 7 | 12S +0.81 | 901 |
| B | 76 | 65 | 0.24 | 127 | 5 | 13S +0.51 | 901 |
| B | 76 | 68 | 0.47 | 71 | 9 | 07S -0.73 | 902 |
| B | 76 | 69 | 0.21 | 78 | 4 | 07S -0.75 | 903 |
| B | 76 | 100 | 0.35 | 91 | 6 | 02S -0.67 | 904 |
| B | 76 | 101 | 0.26 | 70 | 7 | 13S -0.76 | 905 |
| B | 76 | 119 | 0.29 | 115 | 6 | 07S -0.70 | 906 |
| B | 76 | 119 | 0.34 | 98 | 7 | 08S +0.70 | 906 |
| B | 76 | 120 | 0.46 | 88 | 9 | 09S -0.76 | 907 |
| B | 76 | 120 | 0.43 | 104 | 8 | 07S -0.79 | 907 |
| B | 76 | 121 | 0.33 | 69 | 6 | 07S -0.74 | 908 |
| B | 76 | 123 | 0.4 | 104 | 8 | 11S -0.56 | 909 |
| B | 77 | 72 | 0.28 | 96 | 6 | 07S -0.74 | 910 |
| B | 77 | 75 | 0.37 | 83 | 7 | 08S -0.65 | 911 |
| B | 77 | 102 | 0.61 | 103 | 10 | 15S -0.39 | 912 |
| B | 77 | 103 | 0.26 | 141 | 7 | 07S +0.72 | 913 |
| B | 77 | 119 | 0.66 | 21 | 12 | 07S -0.75 | 914 |
| B | 77 | 125 | 0.78 | 104 | 14 | 11S -0.64 | 915 |
| B | 77 | 125 | 0.35 | 81 | 7 | 10S +0.22 | 915 |
| B | 77 | 125 | 0.27 | 138 | 5 | 05S -0.70 | 915 |
| B | 78 | 8 | 0.29 | 89 | 6 | 13S -0.75 | 916 |
| B | 78 | 52 | 0.44 | 30 | 11 | 03S -0.71 | 917 |
| B | 78 | 54 | 0.24 | 84 | 7 | 09S -0.69 | 918 |
| B | 78 | 71 | 0.31 | 100 | 6 | 06S -0.60 | 919 |
| B | 78 | 75 | 0.32 | 42 | 6 | 07S -0.70 | 920 |
| B | 78 | 109 | 0.27 | 105 | 5 | 07S -0.65 | 921 |
| B | 78 | 113 | 0.39 | 130 | 8 | 05S -0.77 | 922 |
| B | 78 | 122 | 0.26 | 82 | 5 | 09S -0.75 | 923 |
| B | 79 | 10 | 0.32 | 41 | 9 | 12S +0.65 | 924 |
| B | 79 | 21 | 0.37 | 118 | 7 | 07S -0.69 | 925 |
| B | 79 | 26 | 0.31 | 129 | 6 | 11S -0.67 | 926 |
| B | 79 | 34 | 0.34 | 90 | 6 | 09S +0.77 | 927 |
| B | 79 | 39 | 0.68 | 91 | 16 | 12S -0.74 | 928 |
| B | 79 | 40 | 0.37 | 106 | 7 | 11S -0.74 | 929 |
| B | 79 | 40 | 0.36 | 61 | 7 | 13S -0.74 | 929 |
| B | 79 | 54 | 0.16 | 119 | 5 | 09S -0.71 | 930 |
| B | 79 | 54 | 0.34 | 103 | 9 | 10S -0.72 | 930 |
| B | 79 | 55 | 0.3 | 116 | 6 | 06S -0.69 | 931 |
| B | 79 | 56 | 0.49 | 69 | 13 | 09S -0.71 | 932 |
| B | 79 | 57 | 0.97 | 90 | 16 | 07S -0.69 | 933 |
| B | 79 | 61 | 0.32 | 70 | 6 | 07S -0.69 | 934 |
| B | 79 | 61 | 0.36 | 70 | 7 | 12S -0.70 | 934 |
| B | 79 | 66 | 0.49 | 109 | 9 | 07S -0.68 | 935 |
| B | 79 | 75 | 0.3 | 95 | 6 | 07S -0.70 | 936 |
| B | 79 | 75 | 0.22 | 102 | 4 | 08S -0.73 | 936 |
| B | 79 | 77 | 0.27 | 67 | 5 | 07S -0.74 | 937 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 79 | 77 | 0.23 | 87 | 5 | 05S -0.81 | 937 |
| B | 79 | 79 | 0.31 | 54 | 6 | 07S -0.81 | 938 |
| B | 79 | 114 | 0.28 | 137 | 6 | 07S +0.42 | 939 |
| B | 79 | 123 | 0.41 | 77 | 8 | 06S -0.72 | 940 |
| B | 79 | 126 | 0.45 | 99 | 9 | 07S -0.70 | 941 |
| B | 80 | 9 | 0.48 | 54 | 12 | 11S -0.72 | 942 |
| B | 80 | 20 | 0.33 | 55 | 6 | 09S -0.67 | 943 |
| B | 80 | 30 | 0.28 | 64 | 5 | 07S -0.72 | 944 |
| B | 80 | 35 | 0.35 | 85 | 9 | 12S -0.67 | 945 |
| B | 80 | 43 | 0.26 | 79 | 7 | 03S -0.71 | 946 |
| B | 80 | 44 | 0.25 | 117 | 5 | 09S +0.75 | 947 |
| B | 80 | 49 | 0.28 | 84 | 8 | 09S +0.77 | 948 |
| B | 80 | 50 | 0.35 | 132 | 7 | 11S +0.63 | 949 |
| B | 80 | 52 | 0.25 | 87 | 5 | 09S +0.75 | 950 |
| B | 80 | 58 | 0.87 | 96 | 15 | 07S -0.65 | 951 |
| B | 80 | 58 | 0.52 | 98 | 9 | 09S -0.70 | 951 |
| B | 80 | 59 | 0.19 | 99 | 5 | 07S -0.69 | 952 |
| B | 80 | 60 | 0.35 | 87 | 7 | 07S -0.74 | 953 |
| B | 80 | 61 | 0.25 | 75 | 7 | 09S +0.77 | 954 |
| B | 80 | 61 | 0.23 | 88 | 6 | 12S -0.60 | 954 |
| B | 80 | 62 | 0.32 | 56 | 6 | 09S +0.77 | 955 |
| B | 80 | 62 | 0.2 | 100 | 4 | 12S -0.23 | 955 |
| B | 80 | 65 | 0.31 | 67 | 6 | 10S -0.78 | 956 |
| B | 80 | 65 | 0.33 | 54 | 6 | 13S -0.82 | 956 |
| B | 80 | 70 | 0.25 | 130 | 5 | 09S +0.66 | 957 |
| B | 80 | 70 | 0.33 | 81 | 7 | 07S -0.73 | 957 |
| B | 80 | 76 | 0.3 | 94 | 6 | 07S -0.72 | 958 |
| B | 80 | 76 | 0.17 | 73 | 3 | 06S -0.68 | 958 |
| B | 80 | 78 | 0.25 | 115 | 5 | 05S -0.74 | 959 |
| B | 80 | 80 | 0.26 | 76 | 5 | 07S -0.77 | 960 |
| B | 80 | 100 | 0.25 | 128 | 5 | 04S -0.74 | 961 |
| B | 80 | 125 | 0.35 | 32 | 7 | 07S -0.68 | 962 |
| B | 80 | 126 | 0.38 | 106 | 8 | 07S -0.74 | 963 |
| B | 80 | 127 | 0.36 | 117 | 7 | 08S +0.68 | 964 |
| B | 80 | 127 | 0.41 | 109 | 8 | 07S +0.64 | 964 |
| B | 80 | 127 | 0.54 | 94 | 10 | 07S -0.76 | 964 |
| B | 80 | 129 | 0.23 | 128 | 4 | 05S -0.46 | 965 |
| B | 80 | 131 | 0.33 | 101 | 6 | 13S -0.67 | 966 |
| B | 81 | 9 | 0.28 | 85 | 5 | 09S -0.65 | 967 |
| B | 81 | 16 | 0.34 | 118 | 9 | 09S -0.67 | 968 |
| B | 81 | 35 | 0.21 | 108 | 4 | 05S -0.70 | 969 |
| B | 81 | 41 | 0.46 | 114 | 9 | 09S -0.76 | 970 |
| B | 81 | 48 | 0.2 | 69 | 6 | 09S +0.71 | 971 |
| B | 81 | 49 | 0.32 | 25 | 6 | 09S -0.65 | 972 |
| B | 81 | 49 | 0.31 | 86 | 6 | 09S +0.77 | 972 |
| B | 81 | 62 | 0.4 | 74 | 11 | 09S +0.64 | 973 |
| B | 81 | 64 | 0.93 | 96 | 14 | 10S -0.67 | 974 |
| B | 81 | 65 | 0.68 | 98 | 13 | 10S -0.72 | 975 |
| B | 81 | 75 | 0.21 | 124 | 4 | 07S -0.69 | 976 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 81 | 78 | 0.21 | 90 | 4 | 09S -0.78 | 977 |
| B | 81 | 121 | 0.34 | 112 | 7 | 07S -0.79 | 978 |
| B | 81 | 122 | 0.57 | 107 | 11 | 07S -0.70 | 979 |
| B | 81 | 125 | 0.57 | 123 | 11 | 07S -0.70 | 980 |
| B | 81 | 125 | 0.54 | 91 | 10 | 03S -0.46 | 980 |
| B | 81 | 126 | 0.56 | 107 | 10 | 08S +0.72 | 981 |
| B | 81 | 126 | 0.28 | 127 | 5 | 07S -0.70 | 981 |
| B | 81 | 126 | 0.28 | 92 | 6 | 04S -0.72 | 981 |
| B | 81 | 126 | 0.29 | 87 | 6 | 03S -0.44 | 981 |
| B | 81 | 126 | 0.41 | 127 | 8 | 03S +0.35 | 981 |
| B | 81 | 128 | 0.23 | 76 | 4 | 07S -0.66 | 982 |
| B | 82 | 5 | 0.23 | 80 | 5 | 09S -0.81 | 983 |
| B | 82 | 6 | 0.51 | 87 | 10 | 09S -0.86 | 984 |
| B | 82 | 28 | 0.43 | 142 | 10 | 07S -0.74 | 985 |
| B | 82 | 30 | 0.12 | 52 | 3 | 07S -0.60 | 986 |
| B | 82 | 38 | 0.43 | 72 | 10 | 09S -0.86 | 987 |
| B | 82 | 41 | 0.26 | 97 | 5 | 07S -0.76 | 988 |
| B | 82 | 42 | 0.4 | 34 | 12 | 07S -0.64 | 989 |
| B | 82 | 47 | 0.19 | 97 | 3 | 04S -0.74 | 990 |
| B | 82 | 47 | 0.18 | 85 | 3 | 09S +0.82 | 990 |
| B | 82 | 49 | 0.33 | 111 | 6 | 07S -0.71 | 991 |
| B | 82 | 50 | 0.41 | 103 | 12 | 07S -0.68 | 992 |
| B | 82 | 50 | 0.31 | 71 | 9 | 09S +0.78 | 992 |
| B | 82 | 52 | 0.79 | 47 | 20 | 06S -0.68 | 993 |
| B | 82 | 53 | 0.56 | 41 | 9 | 06S -0.67 | 994 |
| B | 82 | 57 | 0.21 | 100 | 4 | 09S +0.79 | 995 |
| B | 82 | 61 | 0.37 | 87 | 6 | 09S +0.77 | 996 |
| B | 82 | 64 | 0.3 | 77 | 5 | 12S +0.65 | 997 |
| B | 82 | 100 | 0.2 | 94 | 6 | 06S -0.74 | 998 |
| B | 82 | 117 | 0.12 | 28 | 2 | 07S -0.68 | 999 |
| B | 82 | 125 | 0.41 | 102 | 8 | 08S +0.65 | 1000 |
| B | 82 | 125 | 0.34 | 152 | 7 | 09S +0.00 | 1000 |
| B | 83 | 6 | 0.25 | 62 | 5 | 09S +0.59 | 1001 |
| B | 83 | 8 | 0.25 | 88 | 5 | 09S -0.72 | 1002 |
| B | 83 | 9 | 0.45 | 93 | 9 | 09S -0.84 | 1003 |
| B | 83 | 11 | 0.6 | 54 | 11 | 09S -0.74 | 1004 |
| B | 83 | 17 | 0.21 | 80 | 4 | 09S -0.74 | 1005 |
| B | 83 | 20 | 0.28 | 57 | 7 | 11S +0.65 | 1006 |
| B | 83 | 29 | 0.23 | 76 | 6 | 09S -0.76 | 1007 |
| B | 83 | 35 | 0.67 | 51 | 11 | 03S -0.69 | 1008 |
| B | 83 | 36 | 0.55 | 28 | 12 | 09S -0.75 | 1009 |
| B | 83 | 45 | 0.5 | 77 | 14 | 07S -0.73 | 1010 |
| B | 83 | 49 | 0.27 | 68 | 8 | 06S -0.72 | 1011 |
| B | 83 | 49 | 0.19 | 91 | 6 | 07S -0.66 | 1011 |
| B | 83 | 49 | 0.19 | 89 | 6 | 07S +0.75 | 1011 |
| B | 83 | 51 | 0.51 | 57 | 14 | 11S +0.80 | 1012 |
| B | 83 | 57 | 0.38 | 92 | 7 | 07S -0.69 | 1013 |
| B | 83 | 57 | 0.3 | 81 | 5 | 09S -0.65 | 1013 |
| B | 83 | 61 | 0.3 | 86 | 5 | 07S -0.74 | 1014 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 83 | 61 | 0.29 | 87 | 5 | 09S +0.77 | 1014 |
| B | 83 | 79 | 0.27 | 72 | 5 | 07S -0.72 | 1015 |
| B | 83 | 97 | 0.3 | 82 | 5 | 12S -0.76 | 1016 |
| B | 83 | 99 | 0.47 | 34 | 12 | 06S -0.67 | 1017 |
| B | 83 | 110 | 0.27 | 95 | 5 | 04S +0.76 | 1018 |
| B | 83 | 122 | 0.25 | 85 | 5 | 07S -0.71 | 1019 |
| B | 83 | 123 | 0.26 | 148 | 5 | 07S -0.76 | 1020 |
| B | 83 | 125 | 0.3 | 126 | 6 | 07S -0.67 | 1021 |
| B | 83 | 126 | 0.3 | 127 | 6 | 07S -0.73 | 1022 |
| B | 83 | 127 | 0.42 | 138 | 8 | 07S +0.67 | 1023 |
| B | 83 | 127 | 0.39 | 123 | 8 | 07S -0.72 | 1023 |
| B | 83 | 128 | 0.37 | 94 | 7 | 04S +0.62 | 1024 |
| B | 83 | 128 | 0.2 | 131 | 4 | 04S -0.78 | 1024 |
| B | 83 | 129 | 0.25 | 104 | 5 | 07S -0.84 | 1025 |
| B | 83 | 130 | 0.38 | 110 | 7 | 09S -0.73 | 1026 |
| B | 83 | 131 | 0.22 | 28 | 5 | 13S -0.79 | 1027 |
| B | 83 | 131 | 0.53 | 116 | 10 | 09S -0.79 | 1027 |
| B | 84 | 9 | 0.31 | 62 | 6 | 09S +0.71 | 1028 |
| B | 84 | 26 | 0.3 | 89 | 6 | 07S -0.76 | 1029 |
| B | 84 | 27 | 0.31 | 37 | 7 | 03S -0.85 | 1030 |
| B | 84 | 38 | 0.29 | 95 | 7 | 09S -0.77 | 1031 |
| B | 84 | 39 | 0.3 | 80 | 6 | 09S -0.76 | 1032 |
| B | 84 | 39 | 0.77 | 98 | 13 | 07S -0.83 | 1032 |
| B | 84 | 47 | 0.42 | 54 | 7 | 09S -0.62 | 1033 |
| B | 84 | 47 | 0.22 | 66 | 4 | 09S +0.80 | 1033 |
| B | 84 | 61 | 0.37 | 74 | 7 | 09S +0.81 | 1034 |
| B | 84 | 72 | 0.29 | 95 | 6 | 07S -0.74 | 1035 |
| B | 84 | 75 | 0.54 | 74 | 10 | 07S -0.74 | 1036 |
| B | 84 | 80 | 0.29 | 120 | 5 | 05S -0.60 | 1037 |
| B | 84 | 85 | 0.65 | 85 | 11 | 07S -0.77 | 1038 |
| B | 84 | 114 | 0.2 | 81 | 4 | 07S -0.65 | 1039 |
| B | 84 | 123 | 0.62 | 99 | 11 | 08S +0.68 | 1040 |
| B | 84 | 125 | 0.51 | 106 | 10 | 08S +0.66 | 1041 |
| B | 84 | 125 | 0.46 | 130 | 9 | 03S +0.33 | 1041 |
| B | 84 | 126 | 0.38 | 111 | 8 | 09S -0.02 | 1042 |
| B | 84 | 128 | 0.45 | 110 | 9 | 07S -0.79 | 1043 |
| B | 85 | 37 | 0.64 | 36 | 11 | 07S -0.67 | 1044 |
| B | 85 | 38 | 0.41 | 97 | 9 | 03S -0.72 | 1045 |
| B | 85 | 39 | 0.46 | 30 | 10 | 10S -0.80 | 1046 |
| B | 85 | 43 | 0.44 | 71 | 8 | 09S -0.67 | 1047 |
| B | 85 | 43 | 0.22 | 82 | 4 | 10S -0.58 | 1047 |
| B | 85 | 49 | 0.31 | 61 | 5 | 10S +0.74 | 1048 |
| B | 85 | 49 | 0.11 | 62 | 2 | 10S -0.63 | 1048 |
| B | 85 | 50 | 0.36 | 87 | 11 | 10S +0.73 | 1049 |
| B | 85 | 51 | 0.85 | 18 | 13 | 10S -0.63 | 1050 |
| B | 85 | 72 | 0.35 | 77 | 6 | 06S -0.75 | 1051 |
| B | 85 | 76 | 0.28 | 29 | 6 | 04S -0.81 | 1052 |
| B | 85 | 90 | 0.26 | 55 | 5 | 07S -0.72 | 1053 |
| B | 85 | 123 | 0.4 | 113 | 8 | 08S +0.76 | 1054 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 85 | 126 | 0.51 | 82 | 9 | 07S -0.70 | 1055 |
| B | 85 | 127 | 0.3 | 29 | 6 | 09S -0.81 | 1056 |
| B | 85 | 127 | 0.34 | 101 | 7 | 07S -0.84 | 1056 |
| B | 85 | 128 | 0.22 | 62 | 4 | 07S -0.77 | 1057 |
| B | 86 | 6 | 0.26 | 111 | 5 | 09S -0.74 | 1058 |
| B | 86 | 6 | 0.49 | 125 | 8 | 09S +0.70 | 1058 |
| B | 86 | 7 | 0.53 | 70 | 10 | 09S +0.63 | 1059 |
| B | 86 | 7 | 0.49 | 26 | 10 | 09S -0.77 | 1059 |
| B | 86 | 25 | 0.41 | 117 | 9 | 07S -0.76 | 1060 |
| B | 86 | 38 | 0.5 | 30 | 11 | 09S -0.74 | 1061 |
| B | 86 | 53 | 0.78 | 88 | 12 | 07S -0.74 | 1062 |
| B | 86 | 53 | 0.48 | 48 | 8 | 09S -0.62 | 1062 |
| B | 86 | 76 | 0.21 | 59 | 4 | 07S -0.69 | 1063 |
| B | 86 | 85 | 0.29 | 110 | 5 | 06S -0.81 | 1064 |
| B | 86 | 104 | 0.33 | 77 | 6 | 07S -0.74 | 1065 |
| B | 86 | 108 | 0.28 | 100 | 5 | 06S -0.76 | 1066 |
| B | 86 | 110 | 0.21 | 35 | 4 | 05S -0.74 | 1067 |
| B | 86 | 112 | 0.28 | 98 | 5 | 02S -0.76 | 1068 |
| B | 86 | 116 | 0.3 | 117 | 6 | 05S -0.76 | 1069 |
| B | 86 | 124 | 0.62 | 94 | 12 | 08S +0.72 | 1070 |
| B | 86 | 124 | 0.24 | 162 | 5 | 03S +0.02 | 1070 |
| B | 86 | 125 | 0.3 | 95 | 6 | 07S -0.02 | 1071 |
| B | 86 | 126 | 0.46 | 115 | 9 | 07S +0.64 | 1072 |
| B | 86 | 126 | 0.58 | 114 | 11 | 07S -0.07 | 1072 |
| B | 86 | 126 | 0.38 | 103 | 8 | 03S +0.35 | 1072 |
| B | 86 | 129 | 0.22 | 95 | 4 | 09S -0.76 | 1073 |
| B | 87 | 8 | 0.26 | 60 | 5 | 09S -0.77 | 1074 |
| B | 87 | 8 | 0.31 | 116 | 6 | 07S -0.82 | 1074 |
| B | 87 | 22 | 0.52 | 71 | 9 | 07S -0.72 | 1075 |
| B | 87 | 40 | 0.94 | 81 | 15 | 09S -0.67 | 1076 |
| B | 87 | 49 | 0.71 | 79 | 18 | 06S -0.75 | 1077 |
| B | 87 | 50 | 0.37 | 67 | 6 | 06S -0.74 | 1078 |
| B | 87 | 53 | 0.65 | 59 | 17 | 06S -0.75 | 1079 |
| B | 87 | 53 | 0.32 | 79 | 10 | 11S +0.83 | 1079 |
| B | 87 | 56 | 0.24 | 76 | 4 | 07S -0.69 | 1080 |
| B | 87 | 57 | 0.21 | 68 | 7 | 09S +0.80 | 1081 |
| B | 87 | 67 | 0.29 | 93 | 5 | 07S -0.77 | 1082 |
| B | 87 | 85 | 0.19 | 70 | 4 | 06S -0.81 | 1083 |
| B | 87 | 112 | 0.4 | 118 | 10 | 07S +0.55 | 1084 |
| B | 87 | 123 | 0.37 | 105 | 8 | 08S -0.09 | 1085 |
| B | 87 | 125 | 0.29 | 106 | 6 | 08S -0.18 | 1086 |
| B | 88 | 3 | 0.23 | 92 | 5 | 10S +0.56 | 1087 |
| B | 88 | 8 | 0.45 | 106 | 8 | 07S -0.79 | 1088 |
| B | 88 | 12 | 0.66 | 89 | 12 | 07S -0.74 | 1089 |
| B | 88 | 19 | 0.49 | 86 | 9 | 03S -0.81 | 1090 |
| B | 88 | 23 | 0.23 | 94 | 6 | 07S -0.79 | 1091 |
| B | 88 | 29 | 0.54 | 78 | 12 | 07S -0.72 | 1092 |
| B | 88 | 31 | 0.47 | 76 | 11 | 09S -0.74 | 1093 |
| B | 88 | 47 | 0.51 | 103 | 9 | 09S -0.67 | 1094 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 88 | 49 | 0.28 | 47 | 5 | 06S -0.74 | 1095 |
| B | 88 | 50 | 0.25 | 154 | 8 | 06S -0.72 | 1096 |
| B | 88 | 51 | 0.48 | 48 | 8 | 03S -0.69 | 1097 |
| B | 88 | 53 | 0.77 | 70 | 12 | 07S -0.65 | 1098 |
| B | 88 | 70 | 0.45 | 79 | 8 | 06S -0.73 | 1099 |
| B | 88 | 113 | 0.46 | 110 | 8 | 07S +0.69 | 1100 |
| B | 88 | 123 | 0.25 | 95 | 5 | 08S +0.28 | 1101 |
| B | 88 | 123 | 0.2 | 137 | 4 | 08S -0.16 | 1101 |
| B | 88 | 123 | 0.28 | 134 | 6 | 07S -0.05 | 1101 |
| B | 88 | 123 | 0.47 | 133 | 9 | 03S -0.07 | 1101 |
| B | 88 | 125 | 0.26 | 71 | 5 | 07S -0.73 | 1102 |
| B | 88 | 127 | 0.27 | 102 | 5 | 09S -0.77 | 1103 |
| B | 88 | 128 | 0.52 | 123 | 10 | 07S -0.74 | 1104 |
| B | 88 | 129 | 0.26 | 92 | 5 | 11S -0.73 | 1105 |
| B | 88 | 129 | 0.18 | 55 | 4 | 07S -0.79 | 1105 |
| B | 89 | 4 | 0.36 | 62 | 7 | 10S +0.53 | 1106 |
| B | 89 | 5 | 0.43 | 57 | 8 | 01S -0.73 | 1107 |
| B | 89 | 49 | 0.2 | 53 | 6 | 07S -0.68 | 1108 |
| B | 89 | 50 | 0.54 | 34 | 9 | 09S -0.65 | 1109 |
| B | 89 | 53 | 0.32 | 55 | 10 | 07S -0.70 | 1110 |
| B | 89 | 84 | 0.72 | 80 | 12 | 07S -0.74 | 1111 |
| B | 89 | 109 | 0.23 | 107 | 4 | 07S -0.71 | 1112 |
| B | 89 | 122 | 0.13 | 32 | 3 | 07S +0.02 | 1113 |
| B | 89 | 123 | 0.55 | 126 | 10 | 07S -0.09 | 1114 |
| B | 89 | 126 | 0.25 | 64 | 5 | 07S -0.74 | 1115 |
| B | 89 | 127 | 0.27 | 108 | 6 | 07S -0.76 | 1116 |
| B | 90 | 5 | 0.6 | 49 | 11 | 07S -0.72 | 1117 |
| B | 90 | 35 | 0.24 | 117 | 6 | 07S -0.86 | 1118 |
| B | 90 | 41 | 0.77 | 72 | 19 | 07S -0.70 | 1119 |
| B | 90 | 48 | 0.27 | 69 | 8 | 07S -0.70 | 1120 |
| B | 90 | 50 | 0.52 | 48 | 14 | 06S +0.70 | 1121 |
| B | 90 | 60 | 0.85 | 81 | 14 | 07S -0.73 | 1122 |
| B | 90 | 65 | 0.46 | 81 | 8 | 07S -0.68 | 1123 |
| B | 90 | 89 | 0.25 | 79 | 5 | 07S -0.77 | 1124 |
| B | 90 | 126 | 0.35 | 95 | 7 | 07S -0.81 | 1125 |
| B | 90 | 128 | 0.44 | 113 | 9 | 09S -0.84 | 1126 |
| B | 91 | 1 | 0.26 | 80 | 5 | 13S -0.81 | 1127 |
| B | 91 | 5 | 0.33 | 27 | 6 | 09S +0.63 | 1128 |
| B | 91 | 6 | 0.65 | 71 | 12 | 09S +0.61 | 1129 |
| B | 91 | 7 | 0.45 | 191 | 8 | 09S +0.65 | 1130 |
| B | 91 | 12 | 0.32 | 41 | 7 | 07S -0.79 | 1131 |
| B | 91 | 41 | 0.36 | 45 | 11 | 06S +0.72 | 1132 |
| B | 91 | 42 | 0.28 | 78 | 5 | 10S -0.70 | 1133 |
| B | 91 | 53 | 0.27 | 79 | 8 | 13S +0.87 | 1134 |
| B | 91 | 58 | 0.21 | 75 | 6 | 08S -0.64 | 1135 |
| B | 91 | 87 | 0.33 | 65 | 6 | 03S -0.76 | 1136 |
| B | 91 | 96 | 0.48 | 31 | 12 | 03S -0.71 | 1137 |
| B | 91 | 119 | 0.25 | 97 | 5 | 07S -0.74 | 1138 |
| B | 91 | 126 | 0.22 | 99 | 4 | 07S -0.76 | 1139 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 92 | 8 | 0.29 | 117 | 6 | 07S -0.68 | 1140 |
| B | 92 | 17 | 0.6 | 97 | 11 | 09S -0.80 | 1141 |
| B | 92 | 36 | 0.78 | 74 | 14 | 07S -0.90 | 1142 |
| B | 92 | 38 | 0.15 | 85 | 3 | 09S -0.74 | 1143 |
| B | 92 | 47 | 0.23 | 101 | 7 | 06S -0.67 | 1144 |
| B | 92 | 60 | 0.63 | 85 | 11 | 07S -0.73 | 1145 |
| B | 92 | 116 | 0.22 | 36 | 5 | 07S -0.77 | 1146 |
| B | 92 | 120 | 0.14 | 103 | 3 | 07S -0.79 | 1147 |
| B | 92 | 120 | 0.31 | 128 | 6 | 05S -0.76 | 1147 |
| B | 92 | 124 | 0.56 | 83 | 11 | 07S -0.78 | 1148 |
| B | 92 | 126 | 0.37 | 78 | 7 | 09S -0.86 | 1149 |
| B | 92 | 126 | 0.62 | 118 | 12 | 07S -0.85 | 1149 |
| B | 93 | 4 | 0.24 | 103 | 5 | 09S +0.66 | 1150 |
| B | 93 | 6 | 0.4 | 104 | 8 | 09S +0.66 | 1151 |
| B | 93 | 17 | 0.7 | 88 | 12 | 09S -0.78 | 1152 |
| B | 93 | 34 | 0.31 | 70 | 8 | 07S -0.88 | 1153 |
| B | 93 | 36 | 0.87 | 90 | 17 | 09S -0.72 | 1154 |
| B | 93 | 40 | 0.69 | 68 | 11 | 09S -0.65 | 1155 |
| B | 93 | 50 | 0.27 | 81 | 8 | 08S +0.77 | 1156 |
| B | 93 | 55 | 0.34 | 37 | 9 | 07S -0.73 | 1157 |
| B | 93 | 116 | 0.12 | 127 | 3 | 07S -0.86 | 1158 |
| B | 94 | 7 | 0.63 | 44 | 11 | 09S +0.65 | 1159 |
| B | 94 | 17 | 0.38 | 88 | 7 | 15S +0.85 | 1160 |
| B | 94 | 51 | 0.36 | 94 | 6 | 14S -0.81 | 1161 |
| B | 94 | 56 | 0.15 | 46 | 5 | 07S -0.72 | 1162 |
| B | 94 | 66 | 0.39 | 84 | 7 | 07S -0.71 | 1163 |
| B | 94 | 127 | 0.3 | 56 | 6 | 09S +0.63 | 1164 |
| B | 95 | 1 | 0.31 | 94 | 6 | 07S -0.77 | 1165 |
| B | 95 | 3 | 0.38 | 4 | 7 | 09S +0.63 | 1166 |
| B | 95 | 5 | 0.39 | 105 | 7 | 07S -0.77 | 1167 |
| B | 95 | 6 | 0.46 | 43 | 9 | 09S +0.45 | 1168 |
| B | 95 | 20 | 0.52 | 97 | 12 | 07S -0.81 | 1169 |
| B | 95 | 21 | 0.45 | 19 | 8 | 06S +0.75 | 1170 |
| B | 95 | 23 | 0.41 | 76 | 8 | 07S -0.80 | 1171 |
| B | 95 | 26 | 0.39 | 102 | 9 | 07S -0.85 | 1172 |
| B | 95 | 27 | 0.27 | 90 | 7 | 15S +0.79 | 1173 |
| B | 95 | 53 | 0.42 | 46 | 7 | 08S +0.76 | 1174 |
| B | 95 | 85 | 0.75 | 93 | 13 | 07S +0.65 | 1175 |
| B | 95 | 90 | 0.27 | 55 | 5 | 07S -0.75 | 1176 |
| B | 96 | 4 | 0.63 | 74 | 11 | 09S +0.65 | 1177 |
| B | 96 | 35 | 0.4 | 54 | 7 | 06S +0.63 | 1178 |
| B | 96 | 51 | 0.7 | 38 | 18 | 06S +0.68 | 1179 |
| B | 96 | 66 | 0.91 | 89 | 14 | 07S -0.66 | 1180 |
| B | 96 | 67 | 0.27 | 68 | 8 | 06S +0.66 | 1181 |
| B | 96 | 70 | 0.81 | 84 | 15 | 07S -0.75 | 1182 |
| B | 96 | 100 | 0.3 | 95 | 5 | 10S -0.77 | 1183 |
| B | 96 | 127 | 0.71 | 80 | 13 | 07S +0.82 | 1184 |
| B | 97 | 2 | 0.51 | 160 | 10 | 09S +0.68 | 1185 |
| B | 97 | 3 | 0.2 | 51 | 4 | 09S +0.75 | 1186 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 97 | 5 | 0.2 | 149 | 4 | 13S -0.88 | 1187 |
| B | 97 | 5 | 0.4 | 113 | 8 | 07S +0.67 | 1187 |
| B | 97 | 41 | 0.4 | 53 | 12 | 09S -0.59 | 1188 |
| B | 97 | 41 | 0.31 | 42 | 9 | 11S -0.79 | 1188 |
| B | 97 | 63 | 0.28 | 83 | 5 | 06S +0.66 | 1189 |
| B | 97 | 98 | 0.34 | 95 | 10 | 13S -0.76 | 1190 |
| B | 97 | 121 | 0.35 | 98 | 7 | 07S -0.71 | 1191 |
| B | 97 | 123 | 0.42 | 60 | 8 | 09S +0.72 | 1192 |
| B | 98 | 35 | 0.29 | 37 | 8 | 07S -0.90 | 1193 |
| B | 98 | 48 | 0.76 | 27 | 19 | 07S +0.70 | 1194 |
| B | 98 | 54 | 0.28 | 82 | 9 | 08S -0.65 | 1195 |
| B | 98 | 108 | 0.21 | 242 | 4 | 05S -0.74 | 1196 |
| B | 98 | 124 | 0.39 | 111 | 8 | 09S +0.58 | 1197 |
| B | 99 | 2 | 0.59 | 34 | 11 | 09S +0.59 | 1198 |
| B | 99 | 4 | 0.67 | 125 | 12 | 09S +0.59 | 1199 |
| B | 99 | 6 | 0.17 | 85 | 4 | 06S -0.09 | 1200 |
| B | 99 | 7 | 0.23 | 55 | 4 | 09S +0.70 | 1201 |
| B | 99 | 41 | 0.6 | 55 | 16 | 03S -0.68 | 1202 |
| B | 99 | 46 | 0.33 | 98 | 6 | 07S -0.67 | 1203 |
| B | 99 | 106 | 0.16 | 99 | 5 | 06S -0.74 | 1204 |
| B | 99 | 114 | 0.18 | 47 | 4 | 07S -0.82 | 1205 |
| B | 99 | 122 | 0.22 | 115 | 4 | 09S -0.81 | 1206 |
| B | 99 | 123 | 0.2 | 117 | 5 | 09S -0.82 | 1207 |
| B | 99 | 126 | 0.62 | 97 | 11 | 07S +0.28 | 1208 |
| B | 100 | 3 | 0.3 | 65 | 6 | 09S -0.76 | 1209 |
| B | 100 | 5 | 0.55 | 109 | 10 | 09S +0.70 | 1210 |
| B | 100 | 5 | 0.29 | 112 | 6 | 07S -0.74 | 1210 |
| B | 100 | 21 | 0.43 | 100 | 8 | 07S -0.76 | 1211 |
| B | 100 | 84 | 0.37 | 131 | 7 | 03S -0.67 | 1212 |
| B | 100 | 120 | 0.19 | 53 | 4 | 05S -0.79 | 1213 |
| B | 100 | 122 | 0.35 | 36 | 7 | 09S +0.67 | 1214 |
| B | 100 | 122 | 0.51 | 33 | 9 | 07S -0.60 | 1214 |
| B | 101 | 10 | 0.42 | 7 | 8 | 07S -0.81 | 1215 |
| B | 101 | 24 | 0.68 | 55 | 16 | 09S -0.77 | 1216 |
| B | 101 | 35 | 0.4 | 69 | 10 | 07S -0.79 | 1217 |
| B | 101 | 81 | 0.2 | 102 | 6 | 07S -0.72 | 1218 |
| B | 102 | 95 | 0.9 | 92 | 21 | 07S -0.72 | 1219 |
| B | 102 | 111 | 0.38 | 119 | 8 | 07S +0.65 | 1220 |
| B | 102 | 112 | 0.34 | 128 | 6 | 07S -0.66 | 1221 |
| B | 102 | 113 | 0.63 | 102 | 13 | 07S +0.65 | 1222 |
| B | 102 | 115 | 0.64 | 123 | 13 | 07S +0.58 | 1223 |
| B | 102 | 116 | 0.46 | 120 | 8 | 07S -0.65 | 1224 |
| B | 102 | 116 | 0.17 | 136 | 3 | 07S +0.50 | 1224 |
| B | 102 | 119 | 0.25 | 93 | 6 | 07S -0.84 | 1225 |
| B | 103 | 5 | 0.65 | 110 | 12 | 09S +0.63 | 1226 |
| B | 103 | 27 | 0.26 | 101 | 7 | 07S -0.77 | 1227 |
| B | 103 | 55 | 0.27 | 49 | 5 | 07S -0.74 | 1228 |
| B | 103 | 97 | 0.26 | 74 | 7 | 04S -0.69 | 1229 |
| B | 103 | 121 | 0.25 | 59 | 5 | 09S +0.60 | 1230 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 103 | 123 | 0.33 | 61 | 7 | 07S -0.74 | 1231 |
| B | 104 | 46 | 0.51 | 82 | 8 | 07S -0.69 | 1232 |
| B | 104 | 119 | 0.22 | 109 | 4 | 09S +0.60 | 1233 |
| B | 104 | 119 | 0.37 | 127 | 7 | 08S +0.65 | 1233 |
| B | 104 | 122 | 0.75 | 64 | 15 | 10S +0.61 | 1234 |
| B | 104 | 123 | 0.5 | 36 | 9 | 07S +0.67 | 1235 |
| B | 105 | 5 | 0.28 | 115 | 5 | 09S +0.68 | 1236 |
| B | 105 | 42 | 0.85 | 81 | 13 | 07S -0.74 | 1237 |
| B | 105 | 44 | 0.49 | 79 | 8 | 10S -0.30 | 1238 |
| B | 105 | 87 | 0.27 | 58 | 5 | 07S -0.73 | 1239 |
| B | 105 | 104 | 0.15 | 82 | 5 | 07S -0.74 | 1240 |
| B | 105 | 113 | 0.62 | 86 | 12 | 07S -0.80 | 1241 |
| B | 105 | 117 | 0.3 | 123 | 7 | 08S +0.63 | 1242 |
| B | 105 | 120 | 0.33 | 81 | 7 | 07S -0.68 | 1243 |
| B | 105 | 122 | 0.32 | 114 | 6 | 07S -0.76 | 1244 |
| B | 106 | 38 | 0.57 | 89 | 9 | 07S -0.76 | 1245 |
| B | 106 | 55 | 0.19 | 34 | 7 | 07S -0.70 | 1246 |
| B | 106 | 61 | 1.08 | 90 | 17 | 07S -0.71 | 1247 |
| B | 106 | 71 | 0.41 | 83 | 6 | 07S -0.74 | 1248 |
| B | 106 | 92 | 0.16 | 101 | 3 | 03S -0.71 | 1249 |
| B | 106 | 97 | 0.47 | 45 | 13 | 02S -0.69 | 1250 |
| B | 106 | 117 | 0.22 | 106 | 4 | 09S -0.79 | 1251 |
| B | 106 | 118 | 0.35 | 96 | 8 | 08S -0.77 | 1252 |
| B | 107 | 23 | 0.29 | 92 | 5 | 07S -0.80 | 1253 |
| B | 107 | 67 | 0.41 | 100 | 11 | 07S -0.74 | 1254 |
| B | 107 | 116 | 0.31 | 85 | 7 | 07S -0.86 | 1255 |
| B | 108 | 25 | 0.35 | 40 | 7 | 07S -0.80 | 1256 |
| B | 108 | 55 | 0.33 | 54 | 6 | 07S -0.75 | 1257 |
| B | 109 | 52 | 0.61 | 90 | 10 | 07S -0.73 | 1258 |
| B | 109 | 84 | 0.37 | 84 | 7 | 03S -0.74 | 1259 |
| B | 109 | 84 | 0.8 | 100 | 13 | 07S -0.69 | 1259 |
| B | 109 | 100 | 0.3 | 48 | 9 | 07S -0.74 | 1260 |
| B | 109 | 108 | 0.24 | 95 | 7 | 07S -0.74 | 1261 |
| B | 109 | 117 | 0.22 | 116 | 5 | 09S -0.79 | 1262 |
| B | 110 | 14 | 0.21 | 124 | 4 | 15S -0.78 | 1263 |
| B | 110 | 24 | 0.45 | 86 | 9 | 09S -0.77 | 1264 |
| B | 110 | 50 | 0.19 | 65 | 3 | 07S -0.80 | 1265 |
| B | 110 | 57 | 0.19 | 75 | 4 | 07S -0.80 | 1266 |
| B | 110 | 81 | 0.33 | 89 | 6 | 03S -0.69 | 1267 |
| B | 110 | 85 | 0.26 | 78 | 5 | 06S +0.18 | 1268 |
| B | 110 | 112 | 0.28 | 140 | 6 | 08S +0.56 | 1269 |
| B | 111 | 27 | 0.32 | 46 | 6 | 07S -0.83 | 1270 |
| B | 111 | 66 | 0.77 | 76 | 13 | 07S -0.72 | 1271 |
| B | 111 | 71 | 0.36 | 83 | 10 | 03S -0.72 | 1272 |
| B | 111 | 71 | 0.39 | 83 | 11 | 07S -0.74 | 1272 |
| B | 111 | 111 | 0.2 | 87 | 4 | 07S -0.74 | 1273 |
| B | 112 | 26 | 0.37 | 83 | 8 | 09S -0.75 | 1274 |
| B | 112 | 42 | 0.51 | 30 | 10 | 09S -0.75 | 1275 |
| B | 112 | 82 | 0.58 | 95 | 10 | 07S -0.74 | 1276 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 112 | 114 | 0.25 | 148 | 6 | 09S +0.61 | 1277 |
| B | 112 | 114 | 0.28 | 112 | 6 | 09S -0.86 | 1277 |
| B | 113 | 23 | 0.22 | 69 | 4 | 09S -0.84 | 1278 |
| B | 113 | 71 | 0.17 | 114 | 5 | 07S -0.74 | 1279 |
| B | 113 | 85 | 0.15 | 82 | 5 | 07S -0.71 | 1280 |
| B | 113 | 94 | 0.28 | 126 | 5 | 07S -0.69 | 1281 |
| B | 113 | 108 | 0.29 | 108 | 6 | 07S -0.81 | 1282 |
| B | 114 | 39 | 0.81 | 21 | 15 | 09S -0.72 | 1283 |
| B | 114 | 49 | 0.13 | 11 | 3 | 07S -0.75 | 1284 |
| B | 114 | 70 | 0.46 | 110 | 8 | 07S -0.71 | 1285 |
| B | 114 | 93 | 0.48 | 64 | 9 | 02S -0.71 | 1286 |
| B | 114 | 111 | 0.33 | 126 | 6 | 09S +0.65 | 1287 |
| B | 115 | 5 | 0.3 | 104 | 6 | 07S -0.42 | 1288 |
| B | 115 | 40 | 0.46 | 52 | 10 | 07S -0.81 | 1289 |
| B | 115 | 43 | 0.38 | 92 | 8 | 07S -0.86 | 1290 |
| B | 115 | 57 | 0.68 | 89 | 13 | 07S -0.79 | 1291 |
| B | 115 | 61 | 0.38 | 93 | 7 | 03S -0.71 | 1292 |
| B | 115 | 63 | 0.19 | 56 | 3 | 07S -0.73 | 1293 |
| B | 115 | 80 | 0.25 | 108 | 8 | 07S -0.69 | 1294 |
| B | 115 | 87 | 0.47 | 78 | 9 | 07S -0.64 | 1295 |
| B | 115 | 99 | 0.25 | 100 | 5 | 07S -0.67 | 1296 |
| B | 115 | 100 | 0.33 | 87 | 10 | 07S -0.74 | 1297 |
| B | 115 | 109 | 0.17 | 134 | 3 | 09S +0.67 | 1298 |
| B | 115 | 109 | 0.14 | 86 | 3 | 09S -0.81 | 1298 |
| B | 115 | 112 | 0.25 | 115 | 6 | 10S -0.81 | 1299 |
| B | 115 | 114 | 0.17 | 76 | 3 | 07S -0.79 | 1300 |
| B | 116 | 25 | 0.48 | 23 | 10 | 07S -0.86 | 1301 |
| B | 116 | 35 | 0.54 | 54 | 12 | 07S -0.74 | 1302 |
| B | 116 | 39 | 0.25 | 91 | 6 | 03S -0.80 | 1303 |
| B | 116 | 49 | 0.72 | 85 | 15 | 07S -0.79 | 1304 |
| B | 116 | 50 | 0.37 | 105 | 8 | 07S -0.79 | 1305 |
| B | 116 | 52 | 0.26 | 113 | 6 | 07S -0.81 | 1306 |
| B | 116 | 61 | 0.27 | 67 | 4 | 07S -0.76 | 1307 |
| B | 116 | 62 | 0.2 | 44 | 7 | 07S -0.73 | 1308 |
| B | 116 | 80 | 0.37 | 95 | 5 | 07S -0.69 | 1309 |
| B | 116 | 81 | 0.23 | 64 | 8 | 07S -0.71 | 1310 |
| B | 116 | 92 | 0.16 | 79 | 3 | 07S -0.69 | 1311 |
| B | 116 | 100 | 0.3 | 108 | 6 | 13S -0.72 | 1312 |
| B | 116 | 111 | 0.26 | 102 | 5 | 10S -0.79 | 1313 |
| B | 117 | 40 | 0.31 | 101 | 7 | 07S -0.84 | 1314 |
| B | 117 | 71 | 0.25 | 85 | 8 | 07S -0.68 | 1315 |
| B | 117 | 73 | 0.31 | 112 | 10 | 07S -0.68 | 1316 |
| B | 117 | 82 | 0.88 | 96 | 19 | 07S -0.74 | 1317 |
| B | 118 | 19 | 0.32 | 97 | 6 | 07S -0.77 | 1318 |
| B | 118 | 30 | 0.42 | 46 | 9 | 07S -0.86 | 1319 |
| B | 118 | 56 | 0.19 | 46 | 3 | 07S -0.74 | 1320 |
| B | 118 | 60 | 0.3 | 109 | 4 | 13S -0.76 | 1321 |
| B | 118 | 64 | 0.2 | 90 | 3 | 03S -0.71 | 1322 |
| B | 118 | 66 | 0.32 | 105 | 5 | 03S -0.71 | 1323 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 118 | 66 | 0.51 | 99 | 7 | 07S -0.71 | 1323 |
| B | 118 | 76 | 0.16 | 103 | 2 | 07S -0.71 | 1324 |
| B | 118 | 89 | 0.21 | 101 | 4 | 07S -0.73 | 1325 |
| B | 118 | 99 | 0.37 | 80 | 9 | 07S -0.72 | 1326 |
| B | 118 | 105 | 0.17 | 102 | 3 | 09S +0.74 | 1327 |
| B | 119 | 12 | 0.46 | 95 | 9 | 07S -0.79 | 1328 |
| B | 119 | 20 | 0.36 | 86 | 7 | 09S -0.79 | 1329 |
| B | 119 | 40 | 0.37 | 49 | 8 | 07S -0.80 | 1330 |
| B | 119 | 48 | 0.67 | 97 | 13 | 07S -0.81 | 1331 |
| B | 119 | 66 | 0.31 | 105 | 5 | 07S -0.71 | 1332 |
| B | 119 | 75 | 0.21 | 71 | 7 | 07S -0.71 | 1333 |
| B | 119 | 79 | 0.14 | 79 | 5 | 07S -0.75 | 1334 |
| B | 119 | 80 | 0.21 | 73 | 3 | 07S -0.71 | 1335 |
| B | 119 | 94 | 0.19 | 109 | 4 | 13S -0.76 | 1336 |
| B | 119 | 97 | 0.28 | 97 | 6 | 07S -0.80 | 1337 |
| B | 119 | 106 | 0.2 | 65 | 4 | 10S -0.83 | 1338 |
| B | 119 | 106 | 0.15 | 125 | 3 | 09S +0.70 | 1338 |
| B | 120 | 3 | 0.44 | 25 | 9 | 07S -0.75 | 1339 |
| B | 120 | 5 | 0.31 | 39 | 6 | 03S -0.86 | 1340 |
| B | 120 | 50 | 0.18 | 73 | 4 | 07S -0.79 | 1341 |
| B | 120 | 56 | 0.23 | 113 | 3 | 03S -0.71 | 1342 |
| B | 120 | 63 | 0.53 | 69 | 16 | 07S -0.69 | 1343 |
| B | 120 | 97 | 0.36 | 97 | 7 | 07S -0.74 | 1344 |
| B | 120 | 102 | 0.38 | 82 | 9 | 07S -0.67 | 1345 |
| B | 120 | 102 | 0.26 | 83 | 6 | 09S +0.67 | 1345 |
| B | 120 | 103 | 0.28 | 83 | 5 | 09S -0.77 | 1346 |
| B | 120 | 105 | 0.32 | 102 | 6 | 09S +0.67 | 1347 |
| B | 121 | 38 | 0.34 | 76 | 8 | 07S -0.76 | 1348 |
| B | 121 | 45 | 0.48 | 88 | 11 | 07S -0.78 | 1349 |
| B | 121 | 48 | 0.22 | 120 | 5 | 07S -0.72 | 1350 |
| B | 121 | 49 | 0.32 | 64 | 7 | 07S -0.79 | 1351 |
| B | 121 | 63 | 0.41 | 84 | 6 | 07S -0.67 | 1352 |
| B | 121 | 64 | 0.24 | 110 | 9 | 07S -0.73 | 1353 |
| B | 121 | 68 | 0.6 | 106 | 18 | 07S -0.69 | 1354 |
| B | 121 | 78 | 0.37 | 78 | 13 | 03S -0.68 | 1355 |
| B | 121 | 91 | 0.21 | 92 | 4 | 07S -0.72 | 1356 |
| B | 121 | 95 | 0.26 | 142 | 5 | 08S +0.74 | 1357 |
| B | 122 | 18 | 0.38 | 50 | 8 | 03S -0.79 | 1358 |
| B | 122 | 38 | 0.43 | 97 | 9 | 07S -0.77 | 1359 |
| B | 122 | 55 | 0.36 | 93 | 5 | 07S -0.69 | 1360 |
| B | 122 | 56 | 0.39 | 91 | 13 | 07S -0.69 | 1361 |
| B | 122 | 57 | 0.3 | 67 | 4 | 07S -0.71 | 1362 |
| B | 122 | 72 | 0.29 | 91 | 10 | 07S -0.76 | 1363 |
| B | 122 | 89 | 0.24 | 127 | 6 | 07S -0.30 | 1364 |
| B | 122 | 89 | 0.2 | 83 | 5 | 07S +0.69 | 1364 |
| B | 122 | 101 | 0.28 | 92 | 7 | 09S +0.72 | 1365 |
| B | 122 | 102 | 0.29 | 75 | 5 | 07S -0.79 | 1366 |
| B | 122 | 103 | 0.27 | 97 | 6 | 10S -0.77 | 1367 |
| B | 123 | 6 | 0.23 | 97 | 5 | 07S +0.68 | 1368 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 123 | 6 | 0.29 | 92 | 6 | 07S -0.70 | 1368 |
| B | 123 | 8 | 0.22 | 128 | 4 | 07S -0.79 | 1369 |
| B | 123 | 30 | 0.36 | 113 | 8 | 07S -0.79 | 1370 |
| B | 123 | 43 | 0.19 | 70 | 4 | 07S -0.81 | 1371 |
| B | 123 | 65 | 0.34 | 86 | 12 | 07S -0.74 | 1372 |
| B | 123 | 70 | 0.24 | 85 | 4 | 07S -0.71 | 1373 |
| B | 123 | 74 | 0.54 | 79 | 8 | 07S -0.75 | 1374 |
| B | 123 | 76 | 0.4 | 103 | 6 | 07S -0.71 | 1375 |
| B | 123 | 93 | 0.32 | 124 | 8 | 07S -0.72 | 1376 |
| B | 123 | 102 | 0.55 | 110 | 10 | 10S -0.76 | 1377 |
| B | 123 | 103 | 0.38 | 126 | 8 | 10S -0.74 | 1378 |
| B | 124 | 6 | 0.23 | 126 | 5 | 07S +0.68 | 1379 |
| B | 124 | 17 | 0.45 | 91 | 9 | 07S -0.81 | 1380 |
| B | 124 | 29 | 0.25 | 69 | 6 | 07S -0.79 | 1381 |
| B | 124 | 29 | 0.24 | 51 | 6 | 06S -0.79 | 1381 |
| B | 124 | 44 | 0.13 | 16 | 3 | 07S -0.82 | 1382 |
| B | 124 | 45 | 0.22 | 76 | 5 | 07S -0.79 | 1383 |
| B | 124 | 48 | 0.37 | 107 | 8 | 07S -0.77 | 1384 |
| B | 124 | 57 | 0.15 | 77 | 2 | 07S -0.71 | 1385 |
| B | 124 | 65 | 0.15 | 76 | 2 | 07S -0.71 | 1386 |
| B | 124 | 66 | 0.25 | 66 | 9 | 03S -0.66 | 1387 |
| B | 124 | 67 | 0.25 | 86 | 4 | 07S -0.71 | 1388 |
| B | 124 | 70 | 0.29 | 113 | 10 | 07S -0.73 | 1389 |
| B | 124 | 71 | 1.28 | 84 | 16 | 07S -0.66 | 1390 |
| B | 124 | 73 | 0.38 | 109 | 6 | 07S -0.73 | 1391 |
| B | 124 | 99 | 0.38 | 78 | 9 | 10S -0.72 | 1392 |
| B | 125 | 34 | 0.2 | 86 | 5 | 07S -0.82 | 1393 |
| B | 125 | 42 | 0.29 | 115 | 7 | 07S -0.79 | 1394 |
| B | 125 | 82 | 0.32 | 69 | 6 | 07S -0.65 | 1395 |
| B | 125 | 86 | 0.32 | 84 | 6 | 07S -0.74 | 1396 |
| B | 125 | 89 | 0.54 | 99 | 13 | 07S -0.72 | 1397 |
| B | 125 | 92 | 0.18 | 89 | 4 | 07S -0.69 | 1398 |
| B | 125 | 98 | 0.46 | 90 | 11 | 10S -0.67 | 1399 |
| B | 125 | 99 | 0.15 | 104 | 3 | 10S -0.67 | 1400 |
| B | 125 | 100 | 0.51 | 83 | 9 | 10S -0.79 | 1401 |
| B | 126 | 2 | 0.31 | 78 | 6 | 10S +0.70 | 1402 |
| B | 126 | 2 | 0.37 | 46 | 8 | 10S -0.60 | 1402 |
| B | 126 | 2 | 0.3 | 42 | 6 | 09S +0.59 | 1402 |
| B | 126 | 4 | 0.21 | 149 | 4 | 09S +0.68 | 1403 |
| B | 126 | 7 | 0.52 | 68 | 10 | 10S +0.65 | 1404 |
| B | 126 | 13 | 0.32 | 60 | 7 | 07S -0.74 | 1405 |
| B | 126 | 22 | 0.22 | 66 | 4 | 14S -0.77 | 1406 |
| B | 126 | 26 | 0.31 | 63 | 7 | 15S -0.89 | 1407 |
| B | 126 | 43 | 0.29 | 83 | 7 | 07S -0.79 | 1408 |
| B | 126 | 53 | 0.5 | 103 | 16 | 07S -0.71 | 1409 |
| B | 126 | 62 | 0.17 | 63 | 3 | 07S -0.69 | 1410 |
| B | 126 | 64 | 0.18 | 100 | 3 | 07S -0.74 | 1411 |
| B | 126 | 66 | 0.17 | 94 | 3 | 07S -0.74 | 1412 |
| B | 126 | 68 | 0.14 | 49 | 2 | 07S -0.69 | 1413 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 126 | 75 | 0.18 | 114 | 7 | 07S -0.73 | 1414 |
| B | 126 | 96 | 0.35 | 89 | 9 | 09S +0.67 | 1415 |
| B | 126 | 98 | 0.19 | 159 | 4 | 10S +0.67 | 1416 |
| B | 126 | 98 | 0.39 | 120 | 7 | 10S -0.62 | 1416 |
| B | 127 | 3 | 0.36 | 83 | 7 | 10S +0.65 | 1417 |
| B | 127 | 3 | 0.51 | 33 | 10 | 10S -0.65 | 1417 |
| B | 127 | 5 | 0.27 | 117 | 6 | 09S -0.72 | 1418 |
| B | 127 | 6 | 0.23 | 73 | 5 | 14S -0.83 | 1419 |
| B | 127 | 20 | 0.24 | 114 | 5 | 13S -0.84 | 1420 |
| B | 127 | 31 | 0.24 | 99 | 6 | 07S -0.79 | 1421 |
| B | 127 | 53 | 0.25 | 106 | 4 | 07S -0.71 | 1422 |
| B | 127 | 58 | 0.69 | 98 | 20 | 07S -0.73 | 1423 |
| B | 127 | 95 | 0.57 | 81 | 15 | 10S -0.74 | 1424 |
| B | 127 | 96 | 0.19 | 121 | 4 | 10S +0.67 | 1425 |
| B | 127 | 96 | 0.58 | 96 | 10 | 10S -0.67 | 1425 |
| B | 127 | 98 | 0.14 | 99 | 3 | 10S -0.67 | 1426 |
| B | 128 | 8 | 0.25 | 156 | 5 | 07S +0.68 | 1427 |
| B | 128 | 33 | 0.29 | 107 | 7 | 09S -0.79 | 1428 |
| B | 128 | 38 | 0.4 | 113 | 9 | 09S -0.77 | 1429 |
| B | 128 | 39 | 0.23 | 70 | 5 | 07S -0.81 | 1430 |
| B | 128 | 52 | 0.2 | 113 | 3 | 07S -0.71 | 1431 |
| B | 128 | 53 | 0.43 | 79 | 14 | 13S -0.74 | 1432 |
| B | 128 | 58 | 0.19 | 92 | 3 | 07S -0.71 | 1433 |
| B | 128 | 66 | 0.47 | 86 | 7 | 07S -0.71 | 1434 |
| B | 128 | 85 | 0.23 | 78 | 7 | 07S -0.65 | 1435 |
| B | 128 | 87 | 0.27 | 68 | 8 | 13S -0.77 | 1436 |
| B | 128 | 93 | 0.32 | 81 | 10 | 10S -0.69 | 1437 |
| B | 128 | 94 | 0.37 | 100 | 7 | 10S -0.46 | 1438 |
| B | 129 | 1 | 0.27 | 115 | 5 | 10S +0.65 | 1439 |
| B | 129 | 2 | 0.51 | 94 | 10 | 11S -0.68 | 1440 |
| B | 129 | 3 | 0.27 | 72 | 5 | 09S +0.72 | 1441 |
| B | 129 | 4 | 0.3 | 90 | 6 | 09S +0.59 | 1442 |
| B | 129 | 34 | 0.54 | 86 | 12 | 07S -0.78 | 1443 |
| B | 129 | 40 | 0.25 | 77 | 6 | 07S -0.83 | 1444 |
| B | 129 | 51 | 0.33 | 100 | 5 | 07S -0.71 | 1445 |
| B | 129 | 52 | 0.56 | 99 | 17 | 07S -0.71 | 1446 |
| B | 129 | 53 | 0.54 | 61 | 8 | 07S -0.71 | 1447 |
| B | 129 | 53 | 0.59 | 91 | 8 | 09S -0.74 | 1447 |
| B | 129 | 69 | 0.52 | 99 | 7 | 07S -0.73 | 1448 |
| B | 129 | 93 | 0.31 | 103 | 6 | 10S -0.56 | 1449 |
| B | 129 | 93 | 0.21 | 138 | 4 | 10S +0.69 | 1449 |
| B | 129 | 94 | 0.23 | 79 | 7 | 07S -0.74 | 1450 |
| B | 129 | 94 | 0.21 | 82 | 6 | 10S -0.69 | 1450 |
| B | 129 | 94 | 0.32 | 71 | 9 | 13S -0.74 | 1450 |
| B | 130 | 2 | 0.22 | 48 | 4 | 13S -0.73 | 1451 |
| B | 130 | 6 | 0.19 | 84 | 4 | 09S +0.68 | 1452 |
| B | 130 | 14 | 0.45 | 97 | 8 | 09S -0.74 | 1453 |
| B | 130 | 14 | 0.35 | 99 | 6 | 07S +0.73 | 1453 |
| B | 130 | 19 | 0.36 | 56 | 7 | 10S -0.82 | 1454 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 130 | 23 | 0.66 | 87 | 13 | 07S -0.77 | 1455 |
| B | 130 | 33 | 0.26 | 98 | 6 | 07S -0.77 | 1456 |
| B | 130 | 39 | 0.31 | 92 | 7 | 03S -0.74 | 1457 |
| B | 130 | 47 | 0.48 | 101 | 7 | 07S -0.71 | 1458 |
| B | 130 | 65 | 0.36 | 78 | 5 | 07S -0.69 | 1459 |
| B | 130 | 71 | 0.22 | 88 | 3 | 07S -0.71 | 1460 |
| B | 130 | 91 | 0.33 | 107 | 9 | 10S -0.67 | 1461 |
| B | 130 | 92 | 0.52 | 101 | 14 | 10S -0.67 | 1462 |
| B | 130 | 93 | 0.19 | 72 | 6 | 07S -0.70 | 1463 |
| B | 130 | 93 | 0.31 | 103 | 9 | 10S -0.72 | 1463 |
| B | 131 | 50 | 0.51 | 87 | 7 | 07S -0.71 | 1464 |
| B | 131 | 67 | 0.37 | 99 | 5 | 07S -0.73 | 1465 |
| B | 131 | 81 | 0.23 | 80 | 5 | 13S -0.74 | 1466 |
| B | 131 | 82 | 0.22 | 82 | 7 | 07S -0.69 | 1467 |
| B | 131 | 82 | 0.25 | 93 | 8 | 13S -0.76 | 1467 |
| B | 131 | 90 | 0.2 | 91 | 6 | 10S -0.69 | 1468 |
| B | 132 | 4 | 0.36 | 148 | 7 | 09S +0.63 | 1469 |
| B | 132 | 6 | 0.27 | 40 | 5 | 07S -0.79 | 1470 |
| B | 132 | 26 | 0.2 | 85 | 5 | 07S -0.76 | 1471 |
| B | 132 | 30 | 0.27 | 93 | 6 | 07S -0.77 | 1472 |
| B | 132 | 36 | 0.28 | 81 | 7 | 07S -0.76 | 1473 |
| B | 132 | 45 | 0.57 | 90 | 8 | 07S -0.74 | 1474 |
| B | 132 | 48 | 0.78 | 93 | 11 | 07S -0.71 | 1475 |
| B | 132 | 49 | 0.29 | 86 | 10 | 07S -0.76 | 1476 |
| B | 132 | 58 | 0.56 | 106 | 17 | 07S -0.71 | 1477 |
| B | 132 | 63 | 0.8 | 94 | 11 | 07S -0.69 | 1478 |
| B | 132 | 72 | 0.34 | 55 | 9 | 07S -0.72 | 1479 |
| B | 132 | 74 | 0.24 | 51 | 6 | 07S -0.72 | 1480 |
| B | 132 | 76 | 0.21 | 100 | 4 | 13S -0.76 | 1481 |
| B | 132 | 80 | 0.28 | 66 | 7 | 07S -0.88 | 1482 |
| B | 132 | 83 | 0.18 | 102 | 6 | 10S -0.67 | 1483 |
| B | 132 | 84 | 0.43 | 107 | 11 | 10S -0.65 | 1484 |
| B | 132 | 85 | 0.34 | 76 | 10 | 07S -0.72 | 1485 |
| B | 133 | 2 | 0.32 | 139 | 7 | 12S +0.63 | 1486 |
| B | 133 | 3 | 0.35 | 78 | 7 | 10S -0.68 | 1487 |
| B | 133 | 3 | 0.23 | 250 | 5 | 10S +0.83 | 1487 |
| B | 133 | 5 | 0.18 | 138 | 3 | 09S +0.63 | 1488 |
| B | 133 | 35 | 0.38 | 85 | 8 | 07S -0.75 | 1489 |
| B | 133 | 46 | 0.26 | 94 | 9 | 07S -0.69 | 1490 |
| B | 133 | 49 | 0.25 | 101 | 4 | 07S -0.71 | 1491 |
| B | 133 | 57 | 0.21 | 114 | 3 | 07S -0.74 | 1492 |
| B | 133 | 69 | 0.3 | 104 | 5 | 13S -0.83 | 1493 |
| B | 133 | 85 | 0.19 | 90 | 4 | 10S -0.65 | 1494 |
| B | 134 | 4 | 0.38 | 152 | 7 | 09S +0.72 | 1495 |
| B | 134 | 4 | 0.56 | 27 | 10 | 10S +0.63 | 1495 |
| B | 134 | 4 | 0.27 | 75 | 5 | 10S -0.68 | 1495 |
| B | 134 | 6 | 0.62 | 36 | 11 | 09S +0.68 | 1496 |
| B | 134 | 7 | 0.45 | 75 | 9 | 09S +0.73 | 1497 |
| B | 134 | 29 | 0.28 | 90 | 7 | 07S -0.77 | 1498 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 134 | 35 | 0.2 | 86 | 5 | 07S -0.77 | 1499 |
| B | 134 | 38 | 0.56 | 104 | 12 | 07S -0.72 | 1500 |
| B | 134 | 39 | 0.31 | 136 | 7 | 07S -0.75 | 1501 |
| B | 134 | 45 | 0.55 | 50 | 8 | 07S -0.69 | 1502 |
| B | 134 | 48 | 0.3 | 106 | 11 | 13S -0.76 | 1503 |
| B | 134 | 63 | 0.59 | 91 | 8 | 07S -0.71 | 1504 |
| B | 134 | 70 | 0.23 | 132 | 6 | 07S -0.79 | 1505 |
| B | 134 | 75 | 0.29 | 34 | 8 | 07S -0.72 | 1506 |
| B | 134 | 78 | 0.21 | 104 | 4 | 07S -0.71 | 1507 |
| B | 134 | 81 | 0.23 | 61 | 4 | 07S -0.62 | 1508 |
| B | 134 | 85 | 0.24 | 87 | 7 | 07S -0.72 | 1509 |
| B | 135 | 2 | 0.4 | 20 | 8 | 10S +0.70 | 1510 |
| B | 135 | 3 | 0.33 | 101 | 6 | 10S -0.72 | 1511 |
| B | 135 | 3 | 0.3 | 79 | 6 | 10S +0.63 | 1511 |
| B | 135 | 29 | 0.5 | 92 | 11 | 07S -0.72 | 1512 |
| B | 135 | 41 | 0.34 | 121 | 8 | 07S -0.72 | 1513 |
| B | 135 | 43 | 0.48 | 77 | 7 | 07S -0.69 | 1514 |
| B | 135 | 43 | 0.42 | 108 | 6 | 09S -0.76 | 1514 |
| B | 135 | 45 | 0.29 | 96 | 4 | 07S -0.69 | 1515 |
| B | 135 | 47 | 0.43 | 100 | 6 | 07S -0.69 | 1516 |
| B | 135 | 81 | 0.39 | 111 | 7 | 10S -0.62 | 1517 |
| B | 136 | 1 | 0.49 | 112 | 10 | 10S +0.65 | 1518 |
| B | 136 | 3 | 0.54 | 145 | 10 | 11S -0.79 | 1519 |
| B | 136 | 3 | 0.65 | 92 | 12 | 10S +0.63 | 1519 |
| B | 136 | 4 | 0.44 | 68 | 8 | 10S -0.70 | 1520 |
| B | 136 | 4 | 0.29 | 75 | 6 | 10S +0.63 | 1520 |
| B | 136 | 9 | 0.41 | 12 | 8 | 09S +0.66 | 1521 |
| B | 136 | 13 | 0.41 | 129 | 8 | 15S -0.83 | 1522 |
| B | 136 | 15 | 0.21 | 96 | 4 | 15S -0.84 | 1523 |
| B | 136 | 28 | 0.38 | 45 | 7 | 07S -0.85 | 1524 |
| B | 136 | 32 | 0.68 | 99 | 13 | 07S -0.76 | 1525 |
| B | 136 | 45 | 0.63 | 92 | 9 | 07S -0.71 | 1526 |
| B | 136 | 49 | 0.26 | 77 | 4 | 07S -0.69 | 1527 |
| B | 136 | 73 | 0.27 | 71 | 7 | 09S -0.77 | 1528 |
| B | 136 | 79 | 0.19 | 91 | 5 | 13S -0.72 | 1529 |
| B | 136 | 81 | 0.3 | 81 | 8 | 13S -0.70 | 1530 |
| B | 137 | 1 | 0.35 | 79 | 7 | 10S +0.63 | 1531 |
| B | 137 | 1 | 0.29 | 150 | 6 | 10S -0.70 | 1531 |
| B | 137 | 2 | 0.38 | 81 | 8 | 10S +0.72 | 1532 |
| B | 137 | 3 | 0.41 | 96 | 8 | 10S +0.70 | 1533 |
| B | 137 | 3 | 0.48 | 133 | 9 | 10S -0.77 | 1533 |
| B | 137 | 28 | 0.23 | 43 | 5 | 07S -0.79 | 1534 |
| B | 137 | 43 | 0.22 | 82 | 3 | 07S -0.69 | 1535 |
| B | 137 | 57 | 0.25 | 86 | 4 | 07S -0.71 | 1536 |
| B | 137 | 66 | 0.21 | 80 | 8 | 15S -0.74 | 1537 |
| B | 137 | 74 | 0.16 | 62 | 4 | 07S -0.74 | 1538 |
| B | 137 | 77 | 0.31 | 73 | 8 | 07S -0.70 | 1539 |
| B | 138 | 1 | 0.29 | 130 | 6 | 12S +0.53 | 1540 |
| B | 138 | 1 | 0.37 | 126 | 7 | 10S -0.77 | 1540 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 138 | 2 | 0.78 | 46 | 14 | 11S -0.68 | 1541 |
| B | 138 | 2 | 0.54 | 115 | 10 | 10S +0.70 | 1541 |
| B | 138 | 2 | 0.44 | 54 | 9 | 10S -0.68 | 1541 |
| B | 138 | 9 | 0.3 | 89 | 6 | 09S +0.65 | 1542 |
| B | 138 | 20 | 0.55 | 55 | 11 | 07S -0.73 | 1543 |
| B | 138 | 28 | 0.24 | 109 | 6 | 07S -0.77 | 1544 |
| B | 138 | 30 | 0.61 | 92 | 10 | 07S -0.72 | 1545 |
| B | 138 | 42 | 0.28 | 89 | 4 | 07S -0.71 | 1546 |
| B | 138 | 50 | 0.26 | 66 | 4 | 07S -0.69 | 1547 |
| B | 138 | 59 | 0.23 | 74 | 8 | 13S -0.74 | 1548 |
| B | 138 | 63 | 0.31 | 101 | 11 | 13S -0.74 | 1549 |
| B | 138 | 66 | 0.22 | 107 | 6 | 13S -0.77 | 1550 |
| B | 138 | 74 | 0.23 | 97 | 6 | 13S -0.72 | 1551 |
| B | 139 | 3 | 0.37 | 96 | 7 | 10S +0.53 | 1552 |
| B | 139 | 5 | 0.25 | 86 | 5 | 09S +0.55 | 1553 |
| B | 139 | 7 | 0.35 | 50 | 7 | 05S -0.77 | 1554 |
| B | 139 | 15 | 0.26 | 140 | 6 | 07S -0.70 | 1555 |
| B | 139 | 21 | 0.44 | 79 | 9 | 07S -0.77 | 1556 |
| B | 139 | 24 | 0.17 | 17 | 4 | 07S -0.75 | 1557 |
| B | 139 | 34 | 0.22 | 98 | 5 | 07S -0.77 | 1558 |
| B | 139 | 45 | 0.98 | 93 | 13 | 07S -0.76 | 1559 |
| B | 139 | 49 | 0.22 | 82 | 3 | 07S -0.74 | 1560 |
| B | 139 | 53 | 0.29 | 90 | 4 | 07S -0.74 | 1561 |
| B | 139 | 64 | 0.17 | 104 | 6 | 14S -0.72 | 1562 |
| B | 139 | 74 | 0.72 | 105 | 17 | 07S -0.72 | 1563 |
| B | 139 | 74 | 0.18 | 72 | 5 | 13S +0.74 | 1563 |
| B | 140 | 3 | 0.3 | 59 | 6 | 10S +0.63 | 1564 |
| B | 140 | 3 | 0.36 | 136 | 7 | 10S -0.65 | 1564 |
| B | 140 | 3 | 0.37 | 57 | 7 | 03S -0.79 | 1564 |
| B | 140 | 4 | 0.31 | 112 | 6 | 10S +0.63 | 1565 |
| B | 140 | 6 | 0.26 | 102 | 5 | 13S -0.82 | 1566 |
| B | 140 | 14 | 0.16 | 105 | 3 | 07S -0.74 | 1567 |
| B | 140 | 15 | 1.31 | 94 | 22 | 07S -0.75 | 1568 |
| B | 140 | 21 | 0.63 | 87 | 13 | 07S -0.75 | 1569 |
| B | 140 | 32 | 0.34 | 86 | 7 | 07S -0.76 | 1570 |
| B | 140 | 55 | 0.19 | 121 | 7 | 09S -0.76 | 1571 |
| B | 140 | 58 | 0.42 | 104 | 6 | 13S -0.76 | 1572 |
| B | 141 | 3 | 0.39 | 34 | 7 | 10S -0.75 | 1573 |
| B | 141 | 4 | 0.59 | 66 | 11 | 10S +0.70 | 1574 |
| B | 141 | 26 | 0.23 | 68 | 5 | 07S -0.77 | 1575 |
| B | 141 | 29 | 0.48 | 117 | 10 | 13S -0.86 | 1576 |
| B | 141 | 39 | 0.27 | 85 | 10 | 07S -0.69 | 1577 |
| B | 141 | 57 | 0.33 | 107 | 11 | 07S -0.69 | 1578 |
| B | 141 | 59 | 0.3 | 84 | 10 | 14S -0.72 | 1579 |
| B | 141 | 61 | 0.31 | 66 | 11 | 05S +0.43 | 1580 |
| B | 142 | 3 | 0.3 | 56 | 6 | 10S +0.61 | 1581 |
| B | 142 | 3 | 0.37 | 149 | 7 | 10S -0.70 | 1581 |
| B | 142 | 11 | 0.36 | 60 | 7 | 07S -0.79 | 1582 |
| B | 142 | 12 | 0.34 | 79 | 8 | 07S -0.75 | 1583 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 142 | 14 | 0.58 | 92 | 12 | 07S -0.73 | 1584 |
| B | 142 | 15 | 0.33 | 67 | 7 | 07S -0.84 | 1585 |
| B | 142 | 17 | 0.38 | 96 | 8 | 07S -0.75 | 1586 |
| B | 142 | 24 | 0.26 | 110 | 6 | 07S -0.75 | 1587 |
| B | 142 | 25 | 0.25 | 91 | 5 | 07S -0.77 | 1588 |
| B | 142 | 34 | 0.22 | 70 | 8 | 08S -0.73 | 1589 |
| B | 142 | 38 | 0.32 | 70 | 11 | 03S -0.71 | 1590 |
| B | 142 | 38 | 0.32 | 86 | 11 | 07S -0.73 | 1590 |
| B | 142 | 40 | 0.33 | 94 | 11 | 13S -0.78 | 1591 |
| B | 142 | 55 | 0.39 | 89 | 6 | 09S -0.78 | 1592 |
| B | 142 | 57 | 0.41 | 93 | 6 | 07S -0.74 | 1593 |
| B | 142 | 65 | 0.3 | 75 | 8 | 08S -0.72 | 1594 |
| B | 143 | 2 | 0.19 | 134 | 4 | 10S -0.82 | 1595 |
| B | 143 | 3 | 0.54 | 113 | 10 | 10S -0.72 | 1596 |
| B | 143 | 15 | 0.23 | 42 | 5 | 04S -0.76 | 1597 |
| B | 143 | 26 | 0.19 | 108 | 4 | 07S -0.77 | 1598 |
| B | 143 | 27 | 0.19 | 152 | 4 | 15S -0.79 | 1599 |
| B | 143 | 31 | 0.37 | 95 | 8 | 07S -0.75 | 1600 |
| B | 143 | 60 | 0.24 | 131 | 5 | 13S -0.69 | 1601 |
| B | 144 | 2 | 0.5 | 48 | 9 | 10S -0.73 | 1602 |
| B | 144 | 3 | 0.51 | 39 | 10 | 10S -0.68 | 1603 |
| B | 144 | 8 | 0.24 | 75 | 5 | 07S -0.74 | 1604 |
| B | 144 | 9 | 0.43 | 111 | 9 | 07S -0.68 | 1605 |
| B | 144 | 12 | 0.86 | 83 | 16 | 07S -0.79 | 1606 |
| B | 144 | 13 | 0.41 | 91 | 9 | 07S -0.75 | 1607 |
| B | 144 | 15 | 0.58 | 89 | 11 | 07S -0.76 | 1608 |
| B | 144 | 16 | 0.53 | 110 | 11 | 07S -0.75 | 1609 |
| B | 144 | 19 | 0.26 | 105 | 5 | 07S -0.77 | 1610 |
| B | 144 | 22 | 0.38 | 99 | 8 | 07S -0.75 | 1611 |
| B | 144 | 23 | 0.2 | 103 | 4 | 07S -0.74 | 1612 |
| B | 144 | 31 | 0.17 | 68 | 6 | 07S -0.69 | 1613 |
| B | 144 | 49 | 0.52 | 84 | 17 | 07S -0.69 | 1614 |
| B | 144 | 50 | 0.35 | 91 | 5 | 07S -0.71 | 1615 |
| B | 144 | 51 | 0.25 | 53 | 9 | 07S -0.73 | 1616 |
| B | 144 | 56 | 0.39 | 88 | 7 | 07S -0.67 | 1617 |
| B | 144 | 57 | 0.62 | 95 | 15 | 07S -0.67 | 1618 |
| B | 144 | 57 | 0.38 | 104 | 10 | 13S -0.79 | 1618 |
| B | 145 | 2 | 0.42 | 84 | 8 | 10S -0.79 | 1619 |
| B | 145 | 8 | 0.44 | 88 | 9 | 07S -0.77 | 1620 |
| B | 145 | 10 | 0.25 | 63 | 6 | 07S -0.73 | 1621 |
| B | 145 | 10 | 0.17 | 140 | 4 | 04S -0.77 | 1621 |
| B | 145 | 12 | 0.32 | 101 | 6 | 07S -0.72 | 1622 |
| B | 145 | 13 | 0.38 | 87 | 8 | 07S -0.72 | 1623 |
| B | 145 | 15 | 0.23 | 93 | 5 | 07S -0.79 | 1624 |
| B | 145 | 21 | 0.33 | 97 | 7 | 07S -0.75 | 1625 |
| B | 145 | 22 | 0.31 | 132 | 7 | 13S -0.88 | 1626 |
| B | 145 | 26 | 0.2 | 87 | 5 | 07S -0.75 | 1627 |
| B | 145 | 26 | 0.24 | 161 | 5 | 07S +0.60 | 1627 |
| B | 145 | 28 | 0.52 | 87 | 8 | 07S -0.76 | 1628 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 145 | 33 | 0.15 | 103 | 5 | 07S -0.67 | 1629 |
| B | 145 | 33 | 0.24 | 54 | 9 | 07S +0.76 | 1629 |
| B | 145 | 34 | 0.75 | 92 | 11 | 07S -0.72 | 1630 |
| B | 145 | 36 | 0.19 | 99 | 6 | 07S -0.87 | 1631 |
| B | 145 | 37 | 0.44 | 104 | 7 | 14S +0.67 | 1632 |
| B | 145 | 39 | 0.26 | 80 | 4 | 07S -0.74 | 1633 |
| B | 145 | 47 | 0.21 | 80 | 3 | 07S -0.69 | 1634 |
| B | 145 | 54 | 0.26 | 118 | 9 | 10S -0.67 | 1635 |
| B | 146 | 1 | 0.16 | 136 | 4 | 13S -0.79 | 1636 |
| B | 146 | 11 | 0.25 | 145 | 5 | 07S -0.76 | 1637 |
| B | 146 | 14 | 0.92 | 93 | 17 | 07S -0.77 | 1638 |
| B | 146 | 16 | 0.24 | 100 | 6 | 07S -0.77 | 1639 |
| B | 146 | 17 | 0.32 | 81 | 6 | 07S -0.83 | 1640 |
| B | 146 | 18 | 0.28 | 105 | 6 | 07S -0.79 | 1641 |
| B | 146 | 19 | 0.36 | 89 | 7 | 07S -0.77 | 1642 |
| B | 146 | 24 | 0.24 | 118 | 6 | 09S +0.37 | 1643 |
| B | 146 | 26 | 0.34 | 72 | 5 | 07S -0.60 | 1644 |
| B | 146 | 26 | 0.42 | 81 | 6 | 07S +0.71 | 1644 |
| B | 146 | 26 | 0.81 | 92 | 11 | 08S -0.69 | 1644 |
| B | 146 | 26 | 0.32 | 53 | 5 | 08S +0.72 | 1644 |
| B | 146 | 26 | 0.91 | 89 | 12 | 09S -0.78 | 1644 |
| B | 146 | 26 | 0.25 | 97 | 4 | 09S +0.63 | 1644 |
| B | 146 | 30 | 0.54 | 78 | 8 | 07S -0.76 | 1645 |
| B | 146 | 47 | 0.44 | 103 | 7 | 07S -0.72 | 1646 |
| B | 146 | 48 | 0.49 | 130 | 16 | 10S -0.64 | 1647 |
| B | 146 | 49 | 0.36 | 110 | 5 | 10S -0.67 | 1648 |
| B | 146 | 50 | 0.22 | 55 | 8 | 07S -0.67 | 1649 |
| B | 146 | 50 | 0.33 | 149 | 11 | 10S -0.64 | 1649 |
| B | 147 | 5 | 0.43 | 148 | 9 | 13S -0.84 | 1650 |
| B | 147 | 8 | 0.19 | 104 | 4 | 08S +0.61 | 1651 |
| B | 147 | 9 | 0.69 | 44 | 14 | 02S +0.77 | 1652 |
| B | 147 | 12 | 0.42 | 88 | 8 | 07S -0.74 | 1653 |
| B | 147 | 15 | 0.42 | 94 | 9 | 07S -0.75 | 1654 |
| B | 147 | 15 | 0.14 | 132 | 3 | 07S +0.58 | 1654 |
| B | 147 | 16 | 0.2 | 100 | 4 | 07S -0.74 | 1655 |
| B | 147 | 16 | 0.18 | 84 | 4 | 07S +0.67 | 1655 |
| B | 147 | 17 | 0.26 | 97 | 6 | 07S +0.70 | 1656 |
| B | 147 | 18 | 0.16 | 93 | 3 | 07S +0.71 | 1657 |
| B | 147 | 20 | 0.14 | 150 | 3 | 07S +0.67 | 1658 |
| B | 147 | 23 | 0.15 | 126 | 4 | 09S +0.54 | 1659 |
| B | 147 | 23 | 0.36 | 95 | 8 | 09S -0.81 | 1659 |
| B | 147 | 23 | 0.22 | 110 | 5 | 08S +0.67 | 1659 |
| B | 147 | 23 | 0.32 | 80 | 7 | 07S -0.77 | 1659 |
| B | 147 | 23 | 0.38 | 82 | 8 | 03S -0.75 | 1659 |
| B | 147 | 23 | 0.22 | 63 | 5 | 02S -0.60 | 1659 |
| B | 147 | 23 | 0.26 | 150 | 6 | 05S -0.78 | 1659 |
| B | 147 | 24 | 0.56 | 86 | 8 | 07S -0.77 | 1660 |
| B | 147 | 32 | 0.34 | 153 | 12 | 09S +0.65 | 1661 |
| B | 147 | 42 | 0.16 | 67 | 5 | 10S +0.76 | 1662 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 147 | 43 | 0.31 | 90 | 5 | 10S -0.65 | 1663 |
| B | 147 | 44 | 0.25 | 85 | 9 | 07S -0.64 | 1664 |
| B | 147 | 44 | 0.17 | 83 | 6 | 10S -0.64 | 1664 |
| B | 147 | 45 | 0.3 | 122 | 5 | 13S -0.74 | 1665 |
| B | 148 | 2 | 0.37 | 80 | 7 | 13S -0.83 | 1666 |
| B | 148 | 2 | 0.23 | 100 | 5 | 09S -0.86 | 1666 |
| B | 148 | 7 | 0.23 | 76 | 5 | 08S +0.65 | 1667 |
| B | 148 | 9 | 0.37 | 150 | 8 | 13S -0.81 | 1668 |
| B | 148 | 17 | 0.51 | 109 | 11 | 07S +0.60 | 1669 |
| B | 148 | 20 | 0.52 | 85 | 10 | 10S +0.67 | 1670 |
| B | 148 | 20 | 0.18 | 83 | 4 | 10S -0.81 | 1670 |
| B | 148 | 25 | 0.22 | 117 | 3 | 09S +0.63 | 1671 |
| B | 148 | 36 | 0.35 | 74 | 12 | 10S +0.67 | 1672 |
| B | 148 | 37 | 0.27 | 83 | 4 | 10S -0.60 | 1673 |
| B | 148 | 37 | 0.25 | 117 | 4 | 10S +0.72 | 1673 |
| B | 148 | 41 | 0.31 | 111 | 11 | 10S -0.67 | 1674 |
| B | 149 | 1 | 0.17 | 111 | 3 | 09S -0.81 | 1675 |
| B | 149 | 2 | 0.25 | 137 | 6 | 13S -0.81 | 1676 |
| B | 149 | 5 | 0.38 | 61 | 8 | 13S -0.83 | 1677 |
| B | 149 | 7 | 0.27 | 59 | 5 | 07S -0.74 | 1678 |
| B | 149 | 11 | 0.41 | 89 | 8 | 07S -0.79 | 1679 |
| B | 149 | 12 | 0.22 | 103 | 5 | 12S +0.58 | 1680 |
| B | 149 | 13 | 0.86 | 98 | 15 | 10S +0.56 | 1681 |
| B | 149 | 14 | 0.42 | 116 | 9 | 10S +0.65 | 1682 |
| B | 149 | 15 | 0.17 | 133 | 4 | 11S -0.81 | 1683 |
| B | 149 | 15 | 0.38 | 82 | 8 | 10S +0.63 | 1683 |
| B | 149 | 15 | 0.15 | 63 | 4 | 09S +0.61 | 1683 |
| B | 149 | 16 | 0.21 | 89 | 4 | 10S +0.72 | 1684 |
| B | 149 | 17 | 0.33 | 75 | 7 | 10S +0.68 | 1685 |
| B | 149 | 24 | 0.45 | 91 | 15 | 10S +0.74 | 1686 |
| B | 149 | 26 | 0.4 | 110 | 13 | 10S -0.67 | 1687 |
| B | 149 | 26 | 0.28 | 90 | 10 | 10S +0.69 | 1687 |
| B | 149 | 27 | 0.47 | 114 | 7 | 10S -0.72 | 1688 |
| B | 149 | 27 | 0.23 | 121 | 3 | 10S +0.69 | 1688 |
| B | 149 | 28 | 0.34 | 126 | 12 | 10S -0.67 | 1689 |
| B | 149 | 28 | 0.18 | 109 | 6 | 13S -0.78 | 1689 |
| B | 149 | 29 | 0.56 | 107 | 8 | 10S -0.55 | 1690 |
| B | 149 | 30 | 0.51 | 87 | 16 | 10S -0.62 | 1691 |
| B | 149 | 30 | 0.51 | 79 | 16 | 10S +0.69 | 1691 |
| B | 149 | 30 | 0.22 | 85 | 8 | 13S +0.63 | 1691 |
| B | 149 | 31 | 0.66 | 88 | 9 | 10S -0.67 | 1692 |
| B | 149 | 31 | 0.26 | 131 | 4 | 10S +0.74 | 1692 |
| B | 149 | 32 | 0.4 | 81 | 13 | 10S +0.74 | 1693 |
| B | 149 | 32 | 0.37 | 115 | 13 | 10S -0.71 | 1693 |
| B | 150 | 1 | 0.75 | 70 | 15 | 10S +0.65 | 1694 |
| B | 150 | 1 | 0.37 | 74 | 8 | 10S -0.77 | 1694 |
| B | 150 | 3 | 0.35 | 44 | 8 | 10S -0.77 | 1695 |
| B | 150 | 4 | 0.23 | 111 | 5 | 13S -0.83 | 1696 |
| B | 150 | 5 | 0.24 | 82 | 4 | 10S -0.60 | 1697 |

Tubes In-Service with Through-Wall Indications 1% to 39% OTSG A and B

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|------|------|-----|-------|-----|----------------|-----------|---------------|
| B | 150 | 6 | 0.24 | 94 | 5 | 10S -0.75 | 1698 |
| B | 150 | 9 | 0.22 | 113 | 5 | 10S +0.63 | 1699 |
| B | 150 | 9 | 0.17 | 95 | 4 | 10S -0.68 | 1699 |
| B | 150 | 10 | 0.4 | 124 | 8 | 10S +0.60 | 1700 |
| B | 150 | 10 | 0.27 | 109 | 5 | 10S -0.79 | 1700 |
| B | 150 | 11 | 0.34 | 128 | 8 | 10S +0.63 | 1701 |
| B | 150 | 11 | 0.27 | 122 | 6 | 10S -0.77 | 1701 |
| B | 150 | 12 | 0.35 | 104 | 7 | 10S +0.60 | 1702 |
| B | 150 | 12 | 0.36 | 118 | 7 | 10S -0.77 | 1702 |
| B | 150 | 13 | 0.41 | 92 | 9 | 10S +0.61 | 1703 |
| B | 150 | 13 | 0.3 | 88 | 7 | 10S -0.75 | 1703 |
| B | 150 | 14 | 0.33 | 109 | 5 | 10S -0.69 | 1704 |
| B | 150 | 14 | 0.26 | 86 | 4 | 07S -0.74 | 1704 |
| B | 150 | 15 | 0.42 | 87 | 14 | 07S -0.74 | 1705 |
| B | 150 | 15 | 0.27 | 106 | 10 | 10S -0.69 | 1705 |
| B | 150 | 15 | 0.36 | 84 | 12 | 10S +0.67 | 1705 |
| B | 150 | 16 | 0.29 | 109 | 4 | 10S -0.65 | 1706 |
| B | 150 | 17 | 0.31 | 104 | 11 | 10S -0.69 | 1707 |
| B | 150 | 17 | 0.24 | 101 | 8 | 14S -0.68 | 1707 |
| B | 150 | 18 | 0.48 | 90 | 7 | 10S -0.72 | 1708 |
| B | 150 | 18 | 0.26 | 107 | 4 | 14S -0.76 | 1708 |
| B | 150 | 19 | 0.14 | 138 | 5 | 09S +0.58 | 1709 |
| B | 150 | 19 | 0.45 | 107 | 15 | 10S -0.69 | 1709 |
| B | 150 | 19 | 0.28 | 82 | 10 | 10S +0.69 | 1709 |
| B | 150 | 20 | 0.22 | 93 | 3 | 10S +0.65 | 1710 |
| B | 150 | 20 | 0.24 | 108 | 4 | 07S -0.74 | 1710 |
| B | 150 | 20 | 0.48 | 97 | 7 | 10S -0.60 | 1710 |
| B | 150 | 21 | 0.33 | 119 | 12 | 13S +0.56 | 1711 |
| B | 150 | 21 | 0.26 | 106 | 9 | 14S -0.72 | 1711 |
| B | 150 | 21 | 0.52 | 119 | 17 | 10S -0.67 | 1711 |
| B | 150 | 21 | 0.3 | 97 | 11 | 10S +0.74 | 1711 |
| B | 150 | 22 | 0.42 | 118 | 6 | 10S -0.62 | 1712 |
| B | 150 | 22 | 0.35 | 167 | 5 | 10S +0.58 | 1712 |
| B | 150 | 23 | 0.29 | 109 | 10 | 10S -0.69 | 1713 |
| B | 150 | 23 | 0.38 | 93 | 13 | 10S +0.67 | 1713 |
| B | 150 | 24 | 0.62 | 99 | 9 | 10S -0.69 | 1714 |
| B | 150 | 24 | 0.33 | 92 | 5 | 10S +0.83 | 1714 |
| B | 150 | 24 | 0.31 | 121 | 5 | 11S -0.65 | 1714 |
| B | 150 | 25 | 0.38 | 126 | 13 | 10S -0.69 | 1715 |
| B | 150 | 25 | 0.35 | 94 | 12 | 10S +0.74 | 1715 |
| B | 150 | 25 | 0.36 | 100 | 12 | 14S -0.74 | 1715 |
| B | 150 | 27 | 0.26 | 98 | 9 | 10S -0.67 | 1716 |
| B | 150 | 27 | 0.16 | 119 | 5 | 07S -0.71 | 1716 |
| B | 151 | 2 | 0.33 | 91 | 7 | 10S -0.70 | 1717 |
| B | 151 | 2 | 0.31 | 70 | 6 | 13S -0.76 | 1717 |
| B | 151 | 3 | 0.41 | 93 | 9 | 10S -0.75 | 1718 |
| B | 151 | 4 | 0.35 | 76 | 7 | 10S -0.74 | 1719 |
| B | 151 | 5 | 0.29 | 81 | 6 | 10S -0.75 | 1720 |
| B | 151 | 5 | 0.25 | 184 | 6 | 13S -0.79 | 1720 |

**Tubes In-Service with Through-Wall Indications 1% to 39%
OTSG A and B**

| OTSG | Tube | Row | Volts | Deg | Bobbin % TW | Location | Tube Count |
|-------------|-------------|------------|--------------|------------|------------------------|-----------------|-----------------------|
| B | 151 | 8 | 0.23 | 95 | 5 | 10S -0.77 | 1721 |
| B | 151 | 8 | 0.14 | 90 | 3 | 11S -0.65 | 1721 |
| B | 151 | 9 | 0.2 | 92 | 3 | 10S -0.72 | 1722 |
| B | 151 | 10 | 0.2 | 70 | 7 | 10S +0.67 | 1723 |
| B | 151 | 10 | 0.17 | 82 | 6 | 13S -0.72 | 1723 |
| B | 151 | 10 | 0.31 | 98 | 11 | 13S +0.61 | 1723 |
| B | 151 | 10 | 0.6 | 87 | 19 | 10S -0.76 | 1723 |
| B | 151 | 11 | 0.31 | 103 | 5 | 10S -0.65 | 1724 |
| B | 151 | 12 | 0.6 | 120 | 19 | 10S -0.67 | 1725 |
| B | 151 | 12 | 0.25 | 85 | 9 | 10S +0.69 | 1725 |
| B | 151 | 15 | 0.35 | 117 | 12 | 10S -0.67 | 1726 |
| B | 151 | 15 | 0.64 | 101 | 20 | 10S +0.69 | 1726 |

PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

APPENDIX 2 TO SPECIAL REPORT 08-01

FIRST SPAN IGA IN OTSG-B

Appendix Acronyms

IGA Intergranular Attack
LTS Lower Tubesheet
OTSG Once-Through Steam Generator
TW Through-Wall

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 16 | 22 | TWD | 23 | 6.58 | 0.13 | 134 | 3 | 1 |
| 24 | 43 | TWD | 30 | 39.03 | 0.24 | 133 | -3 | 2 |
| 38 | 45 | TWD | 32 | 9.54 | 0.5 | 170 | 4 | 3 |
| 38 | 64 | TWD | 31 | 8.06 | 0.2 | 136 | 2 | 4 |
| 40 | 46 | TWD | 29 | 10.05 | 0.32 | 156 | 0 | 5 |
| 41 | 39 | TWD | 24 | 10.91 | 0.19 | 66 | -3 | 6 |
| 42 | 34 | TWD | 30 | 8.71 | 0.2 | 141 | 6 | 7 |
| 42 | 42 | TWD | 22 | 7.17 | 0.14 | 118 | -6 | 8 |
| 42 | 42 | TWD | 32 | 7.67 | 0.17 | 68 | 1 | 8 |
| 42 | 42 | TWD | 31 | 10.5 | 0.29 | 150 | 1 | 8 |
| 42 | 47 | TWD | 31 | 10.98 | 0.14 | 113 | 6 | 9 |
| 42 | 63 | TWD | 27 | 9.11 | 0.22 | 140 | 0 | 10 |
| 42 | 63 | TWD | 31 | 13.54 | 0.14 | 128 | 0 | 10 |
| 43 | 48 | TWD | 26 | 10.74 | 0.14 | 73 | -2 | 11 |
| 43 | 48 | TWD | 11 | 26.13 | 0.07 | 150 | 3 | 11 |
| 43 | 82 | TWD | 27 | 4.25 | 0.11 | 135 | -3 | 12 |
| 45 | 40 | TWD | 30 | 8.76 | 0.34 | 158 | -2 | 13 |
| 45 | 40 | TWD | 28 | 12.25 | 0.57 | 176 | -4 | 13 |
| 45 | 40 | TWD | 30 | 13.07 | 0.34 | 148 | -2 | 13 |
| 45 | 48 | TWD | 32 | 13.53 | 0.15 | 101 | -2 | 14 |
| 45 | 49 | TWD | 30 | 13.4 | 0.21 | 133 | -1 | 15 |
| 46 | 41 | TWD | 32 | 8.54 | 0.24 | 117 | -2 | 16 |
| 46 | 49 | TWD | 28 | 14.24 | 0.31 | 154 | -2 | 17 |
| 48 | 43 | TWD | 26 | 8.83 | 0.3 | 164 | -4 | 18 |
| 48 | 43 | TWD | 17 | 9.4 | 0.06 | 120 | -6 | 18 |
| 48 | 43 | TWD | 32 | 11.51 | 0.25 | 112 | 0 | 18 |
| 48 | 43 | TWD | 27 | 12.17 | 0.17 | 137 | -3 | 18 |
| 48 | 43 | TWD | 24 | 14.81 | 0.19 | 152 | -2 | 18 |
| 48 | 61 | TWD | 20 | 7.43 | 0.17 | 151 | 1 | 19 |
| 48 | 72 | TWD | 21 | 9.03 | 0.12 | 137 | -10 | 20 |
| 49 | 56 | TWD | 23 | 6.18 | 0.13 | 156 | 10 | 21 |
| 49 | 56 | TWD | 23 | 11.91 | 0.11 | 145 | -8 | 21 |
| 51 | 30 | TWD | 34 | 10.47 | 0.58 | 157 | 4 | 22 |
| 51 | 55 | TWD | 31 | 7.75 | 0.26 | 146 | -3 | 23 |
| 51 | 79 | TWD | 28 | 9.79 | 0.25 | 150 | -4 | 24 |
| 51 | 79 | TWD | 31 | 13.51 | 0.31 | 143 | -1 | 24 |
| 51 | 80 | TWD | 29 | 8.69 | 0.17 | 123 | 3 | 25 |
| 52 | 37 | TWD | 30 | 13.06 | 0.15 | 156 | 1 | 26 |
| 52 | 37 | TWD | 26 | 13.3 | 0.12 | 81 | -3 | 26 |
| 52 | 37 | TWD | 24 | 13.65 | 0.12 | 155 | 1 | 26 |
| 52 | 37 | TWD | 13 | 17.48 | 0.05 | 69 | -9 | 26 |
| 52 | 49 | TWD | 29 | 14.7 | 0.23 | 152 | -4 | 27 |
| 53 | 44 | TWD | 26 | 8.11 | 0.11 | 132 | 3 | 28 |
| 53 | 44 | TWD | 32 | 9.65 | 0.31 | 137 | -1 | 28 |
| 53 | 44 | TWD | 30 | 10.68 | 0.25 | 124 | 3 | 28 |
| 53 | 44 | TWD | 24 | 11.01 | 0.07 | 102 | -10 | 28 |
| 54 | 82 | TWD | 20 | 6.12 | 0.08 | 85 | -4 | 29 |
| 54 | 82 | TWD | 30 | 9.7 | 0.17 | 152 | -1 | 29 |
| 54 | 82 | TWD | 30 | 10.76 | 0.26 | 117 | -2 | 29 |
| 56 | 37 | TWD | 31 | 8.43 | 0.4 | 153 | -2 | 30 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 56 | 37 | TWD | 31 | 11.22 | 0.22 | 134 | -2 | 30 |
| 56 | 53 | TWD | 33 | 5.5 | 0.22 | 119 | 1 | 31 |
| 56 | 53 | TWD | 29 | 11.45 | 0.34 | 142 | -2 | 31 |
| 56 | 53 | TWD | 20 | 13.48 | 0.06 | 155 | -2 | 31 |
| 56 | 53 | TWD | 26 | 14.43 | 0.16 | 153 | 6 | 31 |
| 57 | 33 | TWD | 28 | 14.08 | 0.26 | 149 | -4 | 32 |
| 57 | 33 | TWD | 31 | 26.93 | 0.23 | 144 | 1 | 32 |
| 57 | 89 | TWD | 26 | 6.64 | 0.2 | 132 | -3 | 33 |
| 57 | 89 | TWD | 30 | 7.1 | 0.12 | 130 | 9 | 33 |
| 57 | 89 | TWD | 21 | 7.34 | 0.1 | 141 | -1 | 33 |
| 57 | 89 | TWD | 26 | 10.22 | 0.14 | 113 | 1 | 33 |
| 58 | 33 | TWD | 31 | 8.83 | 0.26 | 155 | 0 | 34 |
| 58 | 33 | TWD | 20 | 11.23 | 0.08 | 88 | -5 | 34 |
| 58 | 33 | TWD | 29 | 15.5 | 0.14 | 67 | 2 | 34 |
| 58 | 89 | TWD | 33 | 5.86 | 0.26 | 138 | 1 | 35 |
| 59 | 30 | TWD | 29 | 9.74 | 0.35 | 164 | 2 | 36 |
| 59 | 40 | TWD | 25 | 9.26 | 0.16 | 131 | -7 | 37 |
| 59 | 80 | TWD | 27 | 12.31 | 0.19 | 140 | 1 | 38 |
| 60 | 34 | TWD | 29 | 15.49 | 0.19 | 94 | 0 | 39 |
| 60 | 44 | TWD | 26 | 8.01 | 0.21 | 163 | -6 | 40 |
| 61 | 25 | TWD | 34 | 6.8 | 0.33 | 136 | 2 | 41 |
| 61 | 25 | TWD | 31 | 8.08 | 0.38 | 158 | -1 | 41 |
| 61 | 27 | TWD | 36 | 9.82 | 0.24 | 149 | 7 | 42 |
| 61 | 46 | TWD | 19 | 8.35 | 0.11 | 145 | -3 | 43 |
| 61 | 82 | TWD | 30 | 8.36 | 0.24 | 117 | 0 | 44 |
| 61 | 82 | TWD | 22 | 12.33 | 0.08 | 133 | 1 | 44 |
| 61 | 88 | TWD | 33 | 6.01 | 0.18 | 125 | 4 | 45 |
| 62 | 28 | TWD | 34 | 8.07 | 0.24 | 121 | 0 | 46 |
| 62 | 28 | TWD | 28 | 9.83 | 0.14 | 144 | 4 | 46 |
| 62 | 28 | TWD | 33 | 10.47 | 0.6 | 153 | -1 | 46 |
| 62 | 28 | TWD | 26 | 11.26 | 0.04 | 75 | -4 | 46 |
| 62 | 44 | TWD | 27 | 9.72 | 0.15 | 115 | 0 | 47 |
| 62 | 44 | TWD | 24 | 11.81 | 0.2 | 162 | -3 | 47 |
| 62 | 99 | TWD | 33 | 9.29 | 0.17 | 124 | 4 | 48 |
| 62 | 99 | TWD | 32 | 10.12 | 0.16 | 143 | -2 | 48 |
| 63 | 26 | TWD | 30 | 11.6 | 0.23 | 148 | -1 | 49 |
| 63 | 26 | TWD | 27 | 27.65 | 0.36 | 174 | -4 | 49 |
| 63 | 41 | TWD | 33 | 12.2 | 0.34 | 138 | -1 | 50 |
| 63 | 41 | TWD | 31 | 13.59 | 0.2 | 148 | 2 | 50 |
| 64 | 42 | TWD | 32 | 11.83 | 0.21 | 121 | -2 | 51 |
| 65 | 37 | TWD | 20 | 6.82 | 0.09 | 126 | 12 | 52 |
| 65 | 37 | TWD | 32 | 8.47 | 0.24 | 76 | 3 | 52 |
| 65 | 37 | TWD | 31 | 10.61 | 0.25 | 121 | 1 | 52 |
| 65 | 37 | TWD | 27 | 12.47 | 0.17 | 112 | -2 | 52 |
| 65 | 37 | TWD | 29 | 12.91 | 0.18 | 150 | -5 | 52 |
| 65 | 37 | TWD | 27 | 16.68 | 0.19 | 69 | -3 | 52 |
| 65 | 37 | TWD | 30 | 17.19 | 0.27 | 147 | -2 | 52 |
| 65 | 42 | TWD | 21 | 6.72 | 0.14 | 69 | -10 | 53 |
| 65 | 44 | TWD | 27 | 11.35 | 0.19 | 144 | -7 | 54 |
| 65 | 44 | TWD | 29 | 14.39 | 0.23 | 52 | -4 | 54 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 65 | 50 | TWD | 24 | 12.22 | 0.06 | 94 | -6 | 55 |
| 65 | 50 | TWD | 28 | 13.44 | 0.12 | 93 | 1 | 55 |
| 66 | 34 | TWD | 26 | 8.72 | 0.09 | 151 | 3 | 56 |
| 66 | 34 | TWD | 29 | 12.58 | 0.14 | 106 | 5 | 56 |
| 67 | 50 | TWD | 33 | 11.78 | 0.25 | 79 | 1 | 57 |
| 68 | 38 | TWD | 29 | 10.07 | 0.28 | 144 | -1 | 58 |
| 68 | 38 | TWD | 30 | 11.66 | 0.23 | 84 | -4 | 58 |
| 68 | 38 | TWD | 23 | 13.8 | 0.21 | 153 | 3 | 58 |
| 68 | 38 | TWD | 26 | 15.67 | 0.17 | 145 | -3 | 58 |
| 68 | 38 | TWD | 27 | 16.95 | 0.28 | 159 | 1 | 58 |
| 68 | 99 | TWD | 32 | 8.13 | 0.47 | 160 | 1 | 59 |
| 68 | 99 | TWD | 33 | 11.3 | 0.45 | 51 | 1 | 59 |
| 69 | 42 | TWD | 33 | 13.87 | 0.26 | 144 | 5 | 60 |
| 70 | 38 | TWD | 30 | 13.94 | 0.24 | 159 | 7 | 61 |
| 70 | 38 | TWD | 26 | 15.46 | 0.19 | 150 | -7 | 61 |
| 70 | 38 | TWD | 25 | 15.7 | 0.11 | 60 | -11 | 61 |
| 70 | 38 | TWD | 31 | 17.6 | 0.41 | 150 | 0 | 61 |
| 70 | 58 | TWD | 28 | 31.12 | 0.17 | 108 | -1 | 62 |
| 71 | 95 | TWD | 26 | 7 | 0.18 | 123 | -3 | 63 |
| 73 | 44 | TWD | 24 | 24.22 | 0.14 | 74 | -4 | 64 |
| 77 | 86 | TWD | 23 | 7.82 | 0.13 | 139 | 0 | 65 |
| 78 | 41 | TWD | 30 | 27.43 | 0.13 | 151 | -2 | 66 |
| 78 | 45 | TWD | 30 | 25.76 | 0.27 | 74 | -4 | 67 |
| 78 | 93 | TWD | 32 | 11.51 | 0.36 | 142 | -5 | 68 |
| 79 | 43 | TWD | 29 | 25.92 | 0.25 | 136 | -6 | 69 |
| 79 | 92 | TWD | 30 | 12.62 | 0.27 | 138 | -4 | 70 |
| 79 | 92 | TWD | 34 | 14.63 | 0.18 | 129 | -1 | 70 |
| 79 | 97 | TWD | 34 | 9.39 | 0.41 | 130 | 1 | 71 |
| 79 | 97 | TWD | 29 | 16.43 | 0.29 | 162 | 2 | 71 |
| 80 | 48 | TWD | 29 | 5.17 | 0.2 | 135 | 1 | 72 |
| 80 | 99 | TWD | 28 | 7 | 0.1 | 82 | 0 | 73 |
| 80 | 99 | TWD | 36 | 7.81 | 0.38 | 159 | 2 | 73 |
| 80 | 99 | TWD | 29 | 10.23 | 0.35 | 165 | -3 | 73 |
| 80 | 99 | TWD | 32 | 11.28 | 0.2 | 124 | 3 | 73 |
| 80 | 99 | TWD | 29 | 14.6 | 0.2 | 125 | 0 | 73 |
| 81 | 104 | TWD | 28 | 8.48 | 0.16 | 124 | 0 | 74 |
| 83 | 100 | TWD | 22 | 5.96 | 0.1 | 79 | 11 | 75 |
| 83 | 100 | TWD | 32 | 7.86 | 0.41 | 151 | 3 | 75 |
| 83 | 100 | TWD | 29 | 10.9 | 0.28 | 150 | 5 | 75 |
| 84 | 31 | TWD | 33 | 12.49 | 0.26 | 130 | -1 | 76 |
| 84 | 93 | TWD | 26 | 14.4 | 0.09 | 141 | -2 | 77 |
| 84 | 98 | TWD | 26 | 9.15 | 0.18 | 76 | -4 | 78 |
| 84 | 98 | TWD | 21 | 10.18 | 0.13 | 165 | 7 | 78 |
| 84 | 98 | TWD | 35 | 11.06 | 0.49 | 165 | 3 | 78 |
| 84 | 98 | TWD | 30 | 12.17 | 0.44 | 154 | -4 | 78 |
| 84 | 98 | TWD | 25 | 13.71 | 0.13 | 74 | -8 | 78 |
| 84 | 98 | TWD | 22 | 16.88 | 0.09 | 90 | -7 | 78 |
| 84 | 100 | TWD | 29 | 6.99 | 0.25 | 161 | 2 | 79 |
| 84 | 100 | TWD | 29 | 8.33 | 0.22 | 144 | -2 | 79 |
| 84 | 100 | TWD | 28 | 11.13 | 0.15 | 169 | 0 | 79 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 85 | 43 | TWD | 34 | 10.42 | 0.29 | 114 | 0 | 80 |
| 85 | 92 | TWD | 28 | 8.23 | 0.12 | 131 | 4 | 81 |
| 85 | 96 | TWD | 31 | 9.7 | 0.29 | 88 | -3 | 82 |
| 85 | 98 | TWD | 29 | 9.64 | 0.3 | 144 | 0 | 83 |
| 86 | 24 | TWD | 31 | 9.1 | 0.4 | 155 | -3 | 84 |
| 86 | 24 | TWD | 34 | 12.79 | 0.29 | 121 | 0 | 84 |
| 87 | 39 | TWD | 24 | 12.75 | 0.16 | 93 | -4 | 85 |
| 88 | 34 | TWD | 32 | 12.72 | 0.25 | 62 | -5 | 86 |
| 88 | 34 | TWD | 29 | 15.38 | 0.15 | 114 | -4 | 86 |
| 88 | 45 | TWD | 30 | 14 | 0.22 | 128 | -5 | 87 |
| 89 | 33 | TWD | 32 | 9.7 | 0.32 | 144 | -3 | 88 |
| 89 | 39 | TWD | 31 | 14.35 | 0.21 | 113 | 0 | 89 |
| 89 | 89 | TWD | 27 | 5.79 | 0.17 | 135 | 3 | 90 |
| 89 | 89 | TWD | 30 | 8.4 | 0.24 | 139 | 5 | 90 |
| 89 | 89 | TWD | 17 | 11.35 | 0.22 | 166 | 1 | 90 |
| 90 | 40 | TWD | 33 | 8.31 | 0.38 | 144 | 0 | 91 |
| 90 | 40 | TWD | 24 | 9.9 | 0.1 | 151 | -3 | 91 |
| 90 | 40 | TWD | 32 | 11.78 | 0.26 | 134 | -1 | 91 |
| 90 | 40 | TWD | 33 | 11.97 | 0.13 | 90 | 4 | 91 |
| 90 | 40 | TWD | 24 | 12.24 | 0.15 | 122 | -4 | 91 |
| 90 | 40 | TWD | 31 | 14.49 | 0.23 | 106 | 2 | 91 |
| 90 | 40 | TWD | 25 | 15.5 | 0.17 | 126 | -1 | 91 |
| 90 | 40 | TWD | 22 | 17.77 | 0.05 | 132 | 3 | 91 |
| 90 | 88 | TWD | 30 | 5.33 | 0.25 | 136 | -2 | 92 |
| 91 | 93 | TWD | 28 | 9.24 | 0.15 | 97 | 1 | 93 |
| 91 | 94 | TWD | 31 | 8.03 | 0.21 | 133 | -2 | 94 |
| 91 | 94 | TWD | 30 | 10.74 | 0.31 | 156 | -1 | 94 |
| 91 | 98 | TWD | 30 | 8.96 | 0.23 | 123 | -2 | 95 |
| 91 | 98 | TWD | 31 | 11.14 | 0.27 | 121 | -8 | 95 |
| 92 | 39 | TWD | 28 | 10.95 | 0.23 | 130 | -2 | 96 |
| 92 | 40 | TWD | 26 | 14.33 | 0.17 | 59 | -3 | 97 |
| 92 | 43 | TWD | 35 | 5.73 | 0.49 | 144 | -3 | 98 |
| 93 | 31 | TWD | 28 | 11.09 | 0.23 | 80 | -2 | 99 |
| 93 | 31 | TWD | 32 | 12.7 | 0.27 | 63 | -4 | 99 |
| 93 | 46 | TWD | 17 | 6.85 | 0.17 | 164 | 2 | 100 |
| 93 | 46 | TWD | 26 | 10.98 | 0.38 | 157 | 1 | 100 |
| 93 | 46 | TWD | 23 | 11.97 | 0.12 | 153 | -6 | 100 |
| 93 | 46 | TWD | 19 | 15.68 | 0.18 | 159 | -4 | 100 |
| 93 | 79 | TWD | 33 | 10.56 | 0.15 | 118 | 1 | 101 |
| 93 | 87 | TWD | 21 | 7.44 | 0.13 | 158 | 4 | 102 |
| 93 | 94 | TWD | 30 | 6.98 | 0.58 | 168 | -4 | 103 |
| 93 | 94 | TWD | 33 | 12.48 | 0.35 | 139 | 0 | 103 |
| 95 | 36 | TWD | 32 | 9.71 | 0.24 | 106 | 1 | 104 |
| 95 | 36 | TWD | 29 | 14.62 | 0.2 | 131 | -3 | 104 |
| 95 | 36 | TWD | 25 | 18.01 | 0.31 | 165 | 0 | 104 |
| 95 | 47 | TWD | 29 | 10.34 | 0.55 | 176 | 5 | 105 |
| 96 | 40 | TWD | 33 | 10.33 | 0.23 | 151 | 1 | 106 |
| 96 | 41 | TWD | 35 | 11.69 | 0.37 | 136 | 2 | 107 |
| 96 | 41 | TWD | 16 | 13.13 | 0.12 | 127 | -6 | 107 |
| 96 | 44 | TWD | 22 | 6.69 | 0.18 | 125 | -3 | 108 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 96 | 44 | TWD | 23 | 9.07 | 0.15 | 80 | -1 | 108 |
| 96 | 45 | TWD | 28 | 12.17 | 0.22 | 113 | 0 | 109 |
| 96 | 91 | TWD | 19 | 11.89 | 0.11 | 145 | 3 | 110 |
| 97 | 41 | TWD | 29 | 11.44 | 0.3 | 160 | -1 | 111 |
| 97 | 41 | TWD | 29 | 13.5 | 0.28 | 75 | -2 | 111 |
| 98 | 39 | TWD | 23 | 6.69 | 0.15 | 59 | -7 | 112 |
| 98 | 39 | TWD | 28 | 12.09 | 0.21 | 104 | -5 | 112 |
| 98 | 39 | TWD | 29 | 14.48 | 0.2 | 96 | -2 | 112 |
| 98 | 39 | TWD | 31 | 15.59 | 0.19 | 128 | 3 | 112 |
| 98 | 39 | TWD | 26 | 17.94 | 0.13 | 93 | 2 | 112 |
| 98 | 42 | TWD | 33 | 12.04 | 0.21 | 147 | 0 | 113 |
| 98 | 42 | TWD | 27 | 15.09 | 0.22 | 51 | 0 | 113 |
| 98 | 45 | TWD | 25 | 12.19 | 0.09 | 86 | -2 | 114 |
| 98 | 47 | TWD | 28 | 6.98 | 0.13 | 121 | 2 | 115 |
| 98 | 47 | TWD | 25 | 17.19 | 0.16 | 79 | -5 | 115 |
| 99 | 41 | TWD | 30 | 10.41 | 0.2 | 121 | 0 | 116 |
| 100 | 33 | TWD | 31 | 10.17 | 0.23 | 100 | 1 | 117 |
| 100 | 33 | TWD | 32 | 11.07 | 0.24 | 94 | 1 | 117 |
| 100 | 36 | TWD | 31 | 8.04 | 0.46 | 154 | -3 | 118 |
| 100 | 36 | TWD | 29 | 13.64 | 0.31 | 57 | -4 | 118 |
| 100 | 38 | TWD | 24 | 14.87 | 0.15 | 66 | -3 | 119 |
| 100 | 38 | TWD | 30 | 15.1 | 0.44 | 173 | -3 | 119 |
| 100 | 38 | TWD | 28 | 17.07 | 0.21 | 123 | -4 | 119 |
| 100 | 41 | TWD | 31 | 8.05 | 0.53 | 162 | -1 | 120 |
| 100 | 41 | TWD | 32 | 17.43 | 0.35 | 148 | 3 | 120 |
| 100 | 45 | TWD | 30 | 15.07 | 0.29 | 137 | 0 | 121 |
| 100 | 66 | TWD | 30 | 9.98 | 0.1 | 112 | 9 | 122 |
| 100 | 92 | TWD | 32 | 7.21 | 0.19 | 117 | -1 | 123 |
| 100 | 92 | TWD | 24 | 9.1 | 0.36 | 166 | 1 | 123 |
| 101 | 43 | TWD | 28 | 9.19 | 0.27 | 47 | -1 | 124 |
| 101 | 47 | TWD | 27 | 9.04 | 0.12 | 103 | 4 | 125 |
| 101 | 47 | TWD | 16 | 11.29 | 0.14 | 163 | -11 | 125 |
| 101 | 47 | TWD | 28 | 15.28 | 0.14 | 101 | 6 | 125 |
| 101 | 98 | TWD | 27 | 13.11 | 0.14 | 132 | -5 | 126 |
| 101 | 98 | TWD | 24 | 17.27 | 0.12 | 81 | 0 | 126 |
| 102 | 41 | TWD | 27 | 16.34 | 0.37 | 160 | -7 | 127 |
| 102 | 43 | TWD | 31 | 7.75 | 0.36 | 162 | 2 | 128 |
| 102 | 43 | TWD | 33 | 12.29 | 0.26 | 81 | 0 | 128 |
| 102 | 43 | TWD | 30 | 13.32 | 0.12 | 105 | 2 | 128 |
| 102 | 44 | TWD | 27 | 9.72 | 0.2 | 67 | -2 | 129 |
| 103 | 36 | TWD | 32 | 11.35 | 0.32 | 159 | 0 | 130 |
| 103 | 37 | TWD | 34 | 10.45 | 0.38 | 128 | 3 | 131 |
| 103 | 37 | TWD | 30 | 15.36 | 0.26 | 130 | -4 | 131 |
| 103 | 37 | TWD | 26 | 23.93 | 0.12 | 136 | 6 | 131 |
| 103 | 41 | TWD | 22 | 15.84 | 0.16 | 73 | -6 | 132 |
| 103 | 94 | TWD | 30 | 5.24 | 0.17 | 91 | 0 | 133 |
| 104 | 40 | TWD | 24 | 13.35 | 0.14 | 124 | 4 | 134 |
| 104 | 40 | TWD | 24 | 15.21 | 0.09 | 74 | -7 | 134 |
| 104 | 44 | TWD | 22 | 11.83 | 0.13 | 51 | 4 | 135 |
| 104 | 44 | TWD | 24 | 12.41 | 0.1 | 151 | 1 | 135 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 104 | 44 | TWD | 19 | 18.06 | 0.1 | 56 | -8 | 135 |
| 104 | 90 | TWD | 23 | 8.88 | 0.11 | 145 | -6 | 136 |
| 104 | 90 | TWD | 27 | 12.02 | 0.18 | 106 | 1 | 136 |
| 104 | 90 | TWD | 29 | 14.12 | 0.11 | 136 | -3 | 136 |
| 106 | 42 | TWD | 22 | 11.57 | 0.11 | 107 | -9 | 137 |
| 106 | 42 | TWD | 25 | 12.69 | 0.25 | 148 | -5 | 137 |
| 106 | 42 | TWD | 25 | 14.97 | 0.14 | 48 | 0 | 137 |
| 106 | 42 | TWD | 33 | 16.51 | 0.35 | 127 | 2 | 137 |
| 106 | 43 | TWD | 26 | 7.1 | 0.14 | 135 | 3 | 138 |
| 106 | 48 | TWD | 31 | 8.92 | 0.31 | 139 | -1 | 139 |
| 106 | 50 | TWD | 25 | 10.69 | 0.14 | 44 | 0 | 140 |
| 106 | 50 | TWD | 27 | 13.84 | 0.28 | 49 | -2 | 140 |
| 106 | 74 | TWD | 28 | 9.31 | 0.18 | 138 | 0 | 141 |
| 106 | 74 | TWD | 20 | 14.08 | 0.07 | 152 | 5 | 141 |
| 107 | 47 | TWD | 33 | 7.4 | 0.28 | 148 | -1 | 142 |
| 107 | 47 | TWD | 30 | 12.08 | 0.25 | 125 | -1 | 142 |
| 107 | 47 | TWD | 27 | 14.4 | 0.16 | 106 | -5 | 142 |
| 107 | 47 | TWD | 28 | 16.36 | 0.19 | 82 | -3 | 142 |
| 107 | 66 | TWD | 26 | 6.64 | 0.11 | 137 | 9 | 143 |
| 107 | 66 | TWD | 26 | 7.44 | 0.1 | 123 | -1 | 143 |
| 107 | 66 | TWD | 20 | 12.24 | 0.09 | 107 | 1 | 143 |
| 107 | 66 | TWD | 25 | 14.8 | 0.09 | 135 | 2 | 143 |
| 108 | 34 | TWD | 30 | 15.04 | 0.24 | 53 | -2 | 144 |
| 108 | 74 | TWD | 25 | 13.3 | 0.2 | 141 | 1 | 145 |
| 109 | 46 | TWD | 25 | 8.48 | 0.28 | 157 | 0 | 146 |
| 109 | 46 | TWD | 28 | 10.83 | 0.14 | 112 | 1 | 146 |
| 109 | 46 | TWD | 24 | 12.35 | 0.14 | 147 | -4 | 146 |
| 110 | 40 | TWD | 28 | 12.95 | 0.34 | 158 | 5 | 147 |
| 110 | 43 | TWD | 31 | 24.49 | 0.16 | 107 | 2 | 148 |
| 110 | 46 | TWD | 30 | 12.37 | 0.21 | 54 | 0 | 149 |
| 110 | 52 | TWD | 28 | 9.61 | 0.2 | 125 | -3 | 150 |
| 110 | 52 | TWD | 30 | 10.31 | 0.28 | 143 | 0 | 150 |
| 110 | 52 | TWD | 26 | 11.4 | 0.11 | 113 | 2 | 150 |
| 110 | 52 | TWD | 30 | 14.03 | 0.16 | 114 | 2 | 150 |
| 111 | 39 | TWD | 26 | 10.17 | 0.19 | 136 | -2 | 151 |
| 111 | 42 | TWD | 30 | 11.51 | 0.43 | 161 | -1 | 152 |
| 111 | 42 | TWD | 25 | 14.15 | 0.27 | 176 | -6 | 152 |
| 111 | 51 | TWD | 32 | 11.32 | 0.25 | 146 | 2 | 153 |
| 113 | 44 | TWD | 25 | 7.94 | 0.1 | 127 | 3 | 154 |
| 113 | 44 | TWD | 31 | 10.24 | 0.36 | 150 | -2 | 154 |
| 113 | 44 | TWD | 26 | 12.41 | 0.26 | 169 | 0 | 154 |
| 113 | 45 | TWD | 28 | 17.11 | 0.18 | 61 | -1 | 155 |
| 114 | 41 | TWD | 27 | 8.26 | 0.2 | 123 | -7 | 156 |
| 114 | 41 | TWD | 27 | 9.16 | 0.09 | 86 | 4 | 156 |
| 114 | 42 | TWD | 24 | 6.95 | 0.1 | 150 | -1 | 157 |
| 114 | 42 | TWD | 28 | 8.29 | 0.18 | 170 | 4 | 157 |
| 114 | 42 | TWD | 25 | 8.61 | 0.27 | 168 | -5 | 157 |
| 114 | 42 | TWD | 31 | 11.67 | 0.45 | 159 | -1 | 157 |
| 114 | 42 | TWD | 22 | 26.48 | 0.11 | 110 | -2 | 157 |
| 114 | 43 | TWD | 23 | 6.94 | 0.07 | 75 | -2 | 158 |

First Span IGA in OTSG-B Regression Analysis

| Row | Col | Ind. Code | % TW | Inches above LTS | Volts | Deg | % Change in TW from 1997, or earliest, Indication | Tube Count |
|-----|-----|-----------|------|------------------|-------|-----|---|------------|
| 114 | 43 | TWD | 31 | 7.43 | 0.25 | 172 | 6 | 158 |
| 114 | 43 | TWD | 26 | 10.71 | 0.25 | 169 | -2 | 158 |
| 114 | 43 | TWD | 26 | 12.49 | 0.21 | 158 | -4 | 158 |
| 114 | 43 | TWD | 26 | 24.16 | 0.16 | 94 | 2 | 158 |
| 114 | 43 | TWD | 11 | 26.29 | 0.05 | 118 | -21 | 158 |
| 114 | 46 | TWD | 21 | 6.7 | 0.18 | 141 | 3 | 159 |
| 116 | 43 | TWD | 26 | 6.44 | 0.12 | 131 | 1 | 160 |
| 116 | 43 | TWD | 31 | 6.87 | 0.2 | 127 | 2 | 160 |
| 116 | 43 | TWD | 23 | 7.24 | 0.09 | 122 | -1 | 160 |
| 116 | 43 | TWD | 27 | 7.98 | 0.15 | 127 | 1 | 160 |
| 118 | 41 | TWD | 32 | 5.8 | 0.26 | 141 | 3 | 161 |
| 118 | 41 | TWD | 29 | 8.87 | 0.2 | 61 | -5 | 161 |
| 118 | 41 | TWD | 24 | 9.63 | 0.16 | 69 | -5 | 161 |
| 123 | 77 | TWD | 27 | 4.58 | 0.13 | 145 | 3 | 162 |
| 129 | 41 | TWD | 30 | 21.47 | 0.22 | 109 | 1 | 163 |
| 131 | 3 | TWD | 24 | 37.29 | 0.28 | 152 | 3 | 164 |

PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

APPENDIX 3 TO SPECIAL REPORT 08-01

SERVICE INDUCED INDICATIONS - PLUGGED IN 15R

Appendix Acronyms

SAI Single Axial Indication
MAI Multiple Axial Indications
SCI Single Circumferential Indication
MAA Multiple Axial Anomaly
MCI Multiple Circumferential Indications
SVI Single Volumetric Indications
TWD Through-Wall Dimensions
MVI Multiple Volumetric Indications
I-Code Indication Code
UTE Upper Tube End
LTE Lower Tube End
15S Fifteenth Tube Support Plate

Service Induced Indications – Plugged in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|-----------|-------------|------|
| A | 3 | 31 | 1.9 | SCI | LTE +0.10 | 0.46 | 96 |
| A | 3 | 33 | 0.3 | SCI | LTE +0.11 | 0.28 | 92 |
| A | 4 | 2 | 0.31 | SAI | 15S -6.99 | 3.66 | 68 |
| A | 4 | 17 | 2.16 | MCI | LTE +0.31 | 0.68 | 55 |
| A | 4 | 30 | 2.81 | SCI | LTE +0.37 | 0.35 | 99 |
| A | 4 | 33 | 0.22 | MAI | 15S -4.93 | 3.75 | 1 |
| A | 4 | 36 | 0.46 | MAI | 15S -3.01 | 5.44 | 39 |
| A | 4 | 36 | 0.11 | SAI | 15S -7.06 | 0.66 | 55 |
| A | 5 | 36 | 0.23 | SAI | 15S -1.04 | 0.33 | 21 |
| A | 5 | 36 | 0.55 | MAI | 15S -4.92 | 5.05 | 1 |
| A | 5 | 46 | 0.28 | SAI | 15S -5.35 | 0.69 | 63 |
| A | 6 | 43 | 0.75 | SCI | LTE +0.35 | 0.33 | 70 |
| A | 6 | 47 | 0.2 | SAI | 15S -3.98 | 2.48 | 39 |
| A | 7 | 40 | 0.28 | SAI | 15S -2.98 | 2.19 | 18 |
| A | 9 | 2 | 1.06 | SCI | LTE +0.17 | 0.21 | 92 |
| A | 9 | 3 | 0.36 | SCI | LTE +0.18 | 0.23 | 36 |
| A | 10 | 1 | 1.41 | SCI | LTE +0.02 | 0.21 | 96 |
| A | 10 | 2 | 1.88 | SCI | LTE +0.07 | 0.28 | 98 |
| A | 10 | 10 | 0.58 | SCI | LTE +0.43 | 0.21 | 36 |
| A | 11 | 2 | 1.66 | SCI | LTE +0.16 | 0.21 | 94 |
| A | 11 | 4 | 0.68 | SCI | LTE +0.47 | 0.21 | 23 |
| A | 11 | 52 | 0.59 | SAI | 14S +0.82 | 0.22 | 1 |
| A | 12 | 70 | 2.19 | SCI | LTE +0.12 | 0.21 | 98 |
| A | 13 | 2 | 1.48 | SCI | LTE +0.17 | 0.26 | 92 |
| A | 14 | 75 | 2.05 | SCI | LTE +0.07 | 0.23 | 99 |
| A | 15 | 2 | 0.23 | SCI | LTE +0.14 | 0.18 | 30 |
| A | 15 | 9 | 0.53 | SCI | LTE +0.12 | 0.21 | 50 |
| A | 16 | 80 | 1.09 | SCI | LTE +0.07 | 0.25 | 99 |
| A | 17 | 5 | 1.65 | MCI | LTE +0.33 | 0.91 | 44 |
| A | 18 | 84 | 0.68 | SCI | LTE +0.12 | 0.35 | 99 |
| A | 20 | 84 | 0.66 | SCI | LTE +0.20 | 0.30 | 43 |
| A | 28 | 5 | 0.45 | SCI | LTE +0.12 | 0.16 | 60 |
| A | 30 | 1 | 1.41 | SCI | LTE +0.10 | 0.23 | 27 |
| A | 30 | 3 | 0.26 | SVI | 15S -0.02 | 0.14 x 0.10 | 19 |
| A | 34 | 106 | 0.79 | SCI | LTE +0.27 | 0.21 | 93 |
| A | 38 | 1 | 0.81 | SCI | LTE +0.35 | 0.19 | 96 |
| A | 39 | 115 | 0.23 | SCI | LTE +0.26 | 0.19 | 95 |
| A | 40 | 117 | 1.55 | SCI | LTE +0.37 | 0.42 | 88 |
| A | 43 | 118 | 1.49 | SCI | LTE +0.13 | 0.25 | 95 |
| A | 47 | 122 | 0.86 | SCI | LTE +0.14 | 0.30 | 95 |
| A | 49 | 123 | 0.41 | SCI | LTE +0.40 | 0.28 | 95 |
| A | 50 | 123 | 1.93 | SCI | LTE +0.07 | 0.35 | 82 |
| A | 51 | 124 | 0.8 | SCI | LTE +0.14 | 0.19 | 99 |
| A | 58 | 75 | 1.24 | SAI | UTS -0.66 | 0.33 | 89 |
| A | 58 | 128 | 0.56 | SCI | LTE +0.10 | 0.19 | 74 |
| A | 58 | 129 | 0.69 | SCI | LTE +0.18 | 0.12 | 86 |

Service Induced Indications – Plugged in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|------------|-------------|------|
| A | 59 | 124 | 0.86 | SCI | LTE +0.13 | 0.26 | 91 |
| A | 60 | 121 | 0.66 | SVI | 11S -17.74 | 0.37 x 0.67 | 24 |
| A | 62 | 104 | 0.7 | SAI | 03S +1.47 | 0.22 | 10 |
| A | 62 | 129 | 0.62 | SCI | LTE +0.16 | 0.23 | 97 |
| A | 66 | 108 | 0.39 | SAI | 11S -13.59 | 0.25 | 14 |
| A | 79 | 14 | 0.19 | SVI | UTS +0.38 | 0.18 x 0.16 | 32 |
| A | 81 | 41 | 2.28 | SCI | LTE +0.29 | 0.46 | 73 |
| A | 83 | 88 | 3.11 | SCI | LTE +0.12 | 0.55 | 46 |
| A | 86 | 79 | 2.54 | SCI | LTE +0.16 | 0.64 | 36 |
| A | 86 | 79 | 1.27 | SCI | LTE +0.72 | 0.21 | 46 |
| A | 86 | 99 | 0.48 | MAI | UTE -4.10 | 0.22 | 48 |
| A | 86 | 99 | 0.38 | SCI | UTE -3.04 | 0.33 | 63 |
| A | 89 | 1 | 2.02 | SCI | LTE +0.12 | 0.30 | 99 |
| A | 89 | 41 | 0.42 | SAI | UTE -4.20 | 0.17 | 64 |
| A | 90 | 1 | 1.34 | SCI | LTE +0.03 | 0.32 | 95 |
| A | 90 | 129 | 0.64 | SCI | LTE +0.11 | 0.23 | 93 |
| A | 92 | 117 | 0.54 | SAI | 14S +33.35 | 0.32 | 99 |
| A | 95 | 82 | 0.38 | SAI | 15S +39.39 | 0.24 | 1 |
| A | 95 | 82 | 0.74 | SAI | 15S +42.31 | 0.61 | 1 |
| A | 98 | 3 | 0.3 | SVI | 15S +0.10 | 0.25 x 0.24 | 7 |
| A | 110 | 1 | 1.63 | SCI | LTE +0.13 | 0.25 | 51 |
| A | 110 | 5 | 0.23 | SAI | 15S -3.05 | 0.99 | 1 |
| A | 112 | 1 | 0.36 | SVI | 15S +0.68 | 0.22 x 0.24 | 40 |
| A | 113 | 2 | 0.14 | SAI | 14S +26.11 | 0.16 | 1 |
| A | 113 | 2 | 0.11 | SAI | 14S +27.23 | 0.51 | 1 |
| A | 113 | 2 | 0.17 | SAI | 14S +28.07 | 0.59 | 1 |
| A | 115 | 105 | 0.1 | SAI | UTS -0.95 | 0.46 | 1 |
| A | 115 | 113 | 0.4 | SAI | 14S +32.98 | 1.64 | 1 |
| A | 116 | 2 | 1.45 | SCI | LTE +0.14 | 0.23 | 48 |
| A | 116 | 112 | 0.33 | SAI | 14S +33.18 | 1.99 | 58 |
| A | 120 | 63 | 0.86 | SAI | UTE -4.28 | 0.16 | 45 |
| A | 122 | 1 | 0.28 | SVI | 14S +33.68 | 0.23 x 0.24 | 34 |
| A | 123 | 3 | 0.52 | SCI | LTE +0.47 | 0.16 | 62 |
| A | 129 | 94 | 0.15 | SAI | 15S +1.02 | 0.27 | 61 |
| A | 129 | 94 | 0.22 | SAI | 15S +1.84 | 0.25 | 21 |
| A | 130 | 91 | 0.18 | SAI | 15S +0.90 | 0.22 | 71 |
| A | 130 | 93 | 0.19 | SAI | 15S +0.84 | 0.19 | 78 |
| A | 131 | 89 | 0.21 | SAI | 15S +1.15 | 0.56 | 64 |
| A | 132 | 85 | 1.09 | SCI | LTE +0.06 | 0.18 | 75 |
| A | 133 | 84 | 0.8 | SCI | LTE +0.35 | 0.21 | 99 |
| A | 135 | 75 | 0.94 | SCI | LTE +0.07 | 0.23 | 95 |
| A | 135 | 82 | 0.82 | SCI | LTE +0.07 | 0.16 | 92 |
| A | 136 | 80 | 1.69 | SCI | LTE +0.08 | 0.37 | 94 |
| A | 137 | 77 | 0.75 | SCI | LTE +0.12 | 0.27 | 98 |
| A | 139 | 66 | 0.71 | SCI | LTE +0.14 | 0.21 | 59 |
| A | 139 | 73 | 0.36 | SCI | LTE +0.32 | 0.23 | 93 |

Service Induced Indications – Plugged in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|------------|-------------|------|
| A | 141 | 67 | 0.53 | SCI | LTE +0.07 | 0.27 | 97 |
| A | 142 | 1 | 0.26 | SVI | 15S -0.84 | 0.18 x 0.18 | 34 |
| A | 142 | 64 | 1.83 | SCI | LTE +0.03 | 0.18 | 90 |
| A | 143 | 61 | 0.68 | SCI | LTE +0.12 | 0.30 | 85 |
| A | 143 | 62 | 0.76 | SCI | LTE +0.47 | 0.36 | 91 |
| A | 144 | 56 | 1.41 | SCI | LTE +0.09 | 0.20 | 87 |
| A | 145 | 54 | 0.66 | SCI | LTE +0.14 | 0.18 | 88 |
| A | 147 | 16 | 0.91 | SCI | LTE +0.11 | 0.25 | 98 |
| A | 147 | 33 | 1.04 | SCI | LTE +0.08 | 0.18 | 99 |
| A | 148 | 2 | 0.77 | SCI | LTE +0.12 | 0.34 | 95 |
| A | 148 | 32 | 0.7 | SCI | LTE +0.49 | 0.18 | 76 |
| A | 148 | 40 | 1.76 | SCI | LTE +0.16 | 0.41 | 80 |
| A | 149 | 3 | 1.46 | SCI | LTE +0.13 | 0.37 | 96 |
| A | 149 | 4 | 1.03 | SCI | LTE +0.13 | 0.27 | 83 |
| A | 149 | 9 | 0.52 | SCI | LTE +0.45 | 0.30 | 78 |
| A | 149 | 20 | 1.39 | SCI | LTE +0.28 | 0.57 | 96 |
| A | 150 | 15 | 0.6 | SCI | LTE +0.38 | 0.58 | 98 |
| A | 150 | 16 | 0.84 | SCI | LTE +0.30 | 0.16 | 58 |
| A | 151 | 10 | 1.14 | SCI | LTE +0.18 | 0.20 | 99 |
| | | | | | | | |
| B | 5 | 3 | 0.4 | MAI | 15S -6.34 | 2.32 | 12 |
| B | 5 | 45 | 0.3 | SAI | 15S -4.99 | 2.08 | 26 |
| B | 5 | 46 | 0.22 | SAI | 15S -6.86 | 2.48 | 13 |
| B | 7 | 6 | 0.04 | SAI | 15S -5.41 | 1.63 | 12 |
| B | 7 | 52 | 0.18 | SAI | 15S -2.64 | 1.09 | 23 |
| B | 8 | 57 | 0.83 | MAI | UTE -3.34 | 0.33 | 35 |
| B | 9 | 6 | 1.32 | MCI | LTE +0.41 | 0.62 | 96 |
| B | 10 | 16 | 1.35 | SCI | LTE +0.42 | 0.3 | 96 |
| B | 11 | 3 | 0.43 | SAI | 15S -4.39 | 1.68 | 39 |
| B | 12 | 11 | 1.92 | SCI | LTE +0.41 | 0.46 | 98 |
| B | 13 | 12 | 1.44 | SCI | LTE +0.41 | 0.42 | 83 |
| B | 14 | 14 | 0.77 | SCI | LTE +0.29 | 0.21 | 95 |
| B | 18 | 76 | 0.38 | SAI | UTS +22.37 | 2.94 | 13 |
| B | 18 | 78 | 1.33 | SCI | LTE +0.47 | 0.21 | 39 |
| B | 22 | 54 | 0.63 | SAI | UTE -3.91 | 0.23 | 58 |
| B | 23 | 90 | 0.56 | SAI | UTS -10.86 | 0.22 | 65 |
| B | 28 | 15 | 0.18 | SAI | 11S -9.12 | 0.17 | 0 |
| B | 29 | 101 | 0.89 | SAI | UTE -4.35 | 0.20 | 41 |
| B | 33 | 75 | 1.17 | SAI | UTE -4.08 | 0.19 | 55 |
| B | 35 | 81 | 0.99 | SAI | UTE -4.40 | 0.16 | 84 |
| B | 39 | 94 | 0.45 | SAI | UTS +18.29 | 1.20 | 48 |
| B | 39 | 94 | 0.13 | SAI | UTS +17.64 | 0.26 | 42 |
| B | 44 | 1 | 1.1 | SCI | LTE +0.17 | 0.16 | 91 |
| B | 46 | 3 | 0.93 | SCI | LTE +0.43 | 0.16 | 98 |
| B | 46 | 103 | 1.83 | MAI | UTE -4.04 | 0.15 | 76 |
| B | 49 | 2 | 0.43 | SVI | LTS +0.01 | 0.28 x 0.12 | 23 |

Service Induced Indications – Plugged in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|------------|-------------|------|
| B | 51 | 124 | 0.97 | MAI | 15S -1.38 | 1.50 | 28 |
| B | 53 | 126 | 0.21 | MAI | 15S -1.84 | 0.65 | 1 |
| B | 54 | 116 | 1.14 | MAI | UTE -3.97 | 0.16 | 67 |
| B | 54 | 127 | 0.28 | SAI | 15S -2.46 | 0.44 | 1 |
| B | 54 | 127 | 0.17 | SAI | 15S -4.84 | 0.93 | 79 |
| B | 55 | 2 | 0.19 | SAI | 15S -4.72 | 4.14 | 61 |
| B | 55 | 2 | 0.15 | SAI | 15S -7.15 | 1.46 | 20 |
| B | 56 | 2 | 0.25 | SAI | 15S -6.81 | 3.58 | 61 |
| B | 56 | 2 | 0.24 | SAI | 15S -8.77 | 2.27 | 7 |
| B | 56 | 127 | 0.25 | SAI | 15S -3.42 | 0.60 | 48 |
| B | 58 | 128 | 0.36 | SAI | 15S -2.93 | 0.79 | 1 |
| B | 59 | 33 | 0.21 | SVI | UTE -3.93 | 0.23 x 0.21 | 11 |
| B | 59 | 124 | 0.22 | SAI | 15S +1.39 | 0.22 | 76 |
| B | 59 | 124 | 0.28 | SAI | 15S +2.09 | 1.47 | 13 |
| B | 65 | 20 | 2.26 | MAI | UTE -4.04 | 0.21 | 62 |
| B | 66 | 75 | 2.86 | SCI | UTE -0.18 | 0.88 | 38 |
| B | 67 | 20 | 1.67 | MAI | UTE -3.86 | 0.20 | 62 |
| B | 73 | 32 | 0.45 | SAI | UTE -4.40 | 0.16 | 43 |
| B | 75 | 49 | 0.53 | MAI | UTE -4.43 | 0.21 | 44 |
| B | 79 | 49 | 0.24 | SAI | 09S -19.30 | 0.16 | 1 |
| B | 79 | 64 | 1.06 | SAI | UTE -0.72 | 0.25 | 74 |
| B | 80 | 40 | 0.17 | SVI | UTE -3.91 | 0.13 x 0.12 | 32 |
| B | 86 | 118 | 0.47 | MAI | UTE -4.00 | 0.16 | 59 |
| B | 87 | 57 | 0.42 | SAI | 11S +4.30 | 4.17 | 1 |
| B | 88 | 33 | 1 | SCI | UTE -3.21 | 0.79 | 42 |
| B | 89 | 108 | 0.27 | SAI | UTE -4.53 | 0.22 | 85 |
| B | 96 | 97 | 0.98 | MAI | UTE -4.06 | 0.15 | 64 |
| B | 96 | 101 | 0.48 | MAI | UTE -4.60 | 0.13 | 74 |
| B | 99 | 35 | 0.27 | SAI | UTS -18.01 | 0.40 | 58 |
| B | 99 | 35 | 0.17 | SAI | UTS -17.35 | 0.57 | 51 |
| B | 107 | 72 | 0.88 | SAI | UTE -4.25 | 0.18 | 56 |
| B | 111 | 1 | 0.2 | SAI | 15S -1.69 | 0.97 | 8 |
| B | 122 | 103 | 0.12 | SAI | 15S -1.29 | 0.56 | 1 |
| B | 122 | 103 | 0.13 | SAI | 15S -2.79 | 0.22 | 68 |
| B | 124 | 100 | 0.21 | SAI | 15S -3.81 | 1.06 | 5 |
| B | 127 | 97 | 0.2 | SAI | 15S -5.07 | 0.33 | 5 |
| B | 127 | 97 | 0.39 | SAI | 15S -4.46 | 1.55 | 1 |
| B | 127 | 97 | 0.26 | SAI | 15S -3.79 | 0.47 | 1 |
| B | 127 | 98 | 0.1 | SAI | 15S -4.06 | 0.42 | 32 |
| B | 127 | 98 | 0.15 | SAI | 15S -4.43 | 1.19 | 28 |
| B | 128 | 95 | 0.26 | SAI | 15S -4.47 | 0.89 | 1 |
| B | 129 | 93 | 0.08 | SAI | 15S -1.63 | 0.86 | 1 |
| B | 129 | 93 | 0.11 | SAI | 15S -1.15 | 0.61 | 1 |
| B | 129 | 94 | 0.21 | SAI | 15S -1.41 | 1.14 | 1 |
| B | 130 | 93 | 0.13 | SAI | 15S -2.83 | 0.44 | 1 |
| B | 137 | 68 | 0.36 | SAI | UTS -15.90 | 0.29 | 61 |

Service Induced Indications – Plugged in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|-------------|------------|-------------|--------------|-------------------|-----------------|---------------|-------------|
| B | 139 | 8 | 0.3 | SAI | UTS +19.39 | 0.28 | 64 |
| B | 139 | 8 | 0.67 | SAI | UTS -15.31 | 0.30 | 80 |
| B | 140 | 2 | 0.73 | MCI | UTE -3.31 | 0.57 | 67 |
| B | 140 | 2 | 0.58 | SAI | UTE -3.63 | 0.29 | 98 |
| B | 140 | 68 | 0.73 | SAI | 10S -3.04 | 2.39 | 25 |
| B | 145 | 20 | 0.33 | SAI | UR1 -0.63 | 0.65 | 82 |

PROGRESS ENERGY FLORIDA, INC.

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

APPENDIX 4 TO SPECIAL REPORT 08-01

**SERVICE INDUCED INDICATIONS - REROLLED IN
15R**

Appendix Acronyms

| | |
|--------|--------------------------------------|
| SAI | Single Axial Indication |
| MAI | Multiple Axial Indications |
| SCI | Single Circumferential Indication |
| MAA | Multiple Axial Anomaly |
| MCI | Multiple Circumferential Indications |
| SVI | Single Volumetric Indications |
| TWD | Through-Wall Dimensions |
| MVI | Multiple Volumetric Indications |
| I-Code | Indication Code |
| UTE | Upper Tube End |
| LTE | Lower Tube End |
| 15S | Fifteenth Tube Support Plate |

Service Induced Indications – Rerolled in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|-----------|-------------|------|
| A | 12 | 1 | 1.18 | SCI | UTE -0.16 | 0.38 | 23 |
| A | 43 | 19 | 0.6 | SAI | UTE -1.02 | 0.15 | 48 |
| A | 43 | 30 | 0.9 | SAI | UTE -1.31 | 0.26 | 76 |
| A | 45 | 24 | 1.92 | SCI | UTE -0.23 | 0.54 | 64 |
| A | 54 | 110 | 1.47 | SVI | UTE -0.77 | 0.27 x 0.26 | 42 |
| A | 57 | 115 | 0.46 | SAI | UTE -0.95 | 0.21 | 83 |
| A | 61 | 19 | 1.33 | SAI | UTE -1.13 | 0.15 | 48 |
| A | 64 | 31 | 1.94 | SCI | UTE -0.22 | 0.83 | 63 |
| A | 69 | 48 | 0.71 | SCI | UTE -1.20 | 0.12 | 56 |
| A | 71 | 126 | 0.39 | SAI | UTE -1.07 | 0.14 | 76 |
| A | 79 | 105 | 1.52 | MAI | UTE -1.47 | 0.28 | 69 |
| A | 81 | 50 | 0.91 | SCI | UTE -0.34 | 0.21 | 46 |
| A | 83 | 53 | 0.78 | MAI | UTE -1.15 | 0.19 | 58 |
| A | 84 | 37 | 0.6 | SAI | UTE -1.10 | 0.18 | 45 |
| A | 85 | 124 | 0.81 | SAI | UTE -1.11 | 0.20 | 51 |
| A | 86 | 2 | 2.74 | MCI | UTE -0.35 | 0.44 | 81 |
| A | 101 | 42 | 1.2 | SCI | UTE -0.11 | 0.70 | 56 |
| A | 101 | 48 | 1.21 | SCI | UTE -0.22 | 0.79 | 83 |
| A | 103 | 41 | 0.92 | SCI | UTE -0.11 | 0.87 | 98 |
| A | 103 | 45 | 1.7 | SCI | UTE -0.16 | 0.96 | 56 |
| A | 104 | 76 | 0.57 | SCI | UTE -1.50 | 0.23 | 46 |
| A | 105 | 67 | 1.44 | SCI | UTE -0.17 | 0.91 | 97 |
| A | 105 | 106 | 1.52 | SCI | UTE -0.13 | 0.70 | 98 |
| A | 117 | 96 | 0.6 | SAI | UTE -1.00 | 0.18 | 76 |
| A | 118 | 12 | 0.53 | SCI | UTE -0.33 | 0.16 | 31 |
| A | 126 | 46 | 0.49 | SAI | UTE -1.14 | 0.21 | 97 |
| A | 130 | 1 | 1.87 | SCI | UTE -0.45 | 0.32 | 48 |
| A | 131 | 56 | 2.76 | SCI | UTE -0.15 | 0.60 | 86 |
| A | 138 | 72 | 2.64 | SCI | UTE -0.85 | 0.29 | 97 |
| A | 139 | 72 | 1.4 | MAI | UTE -1.05 | 0.16 | 78 |
| | | | | | | | |
| | | | | | | | |
| B | 16 | 10 | 4.17 | SCI | UTE -0.08 | 0.60 | 96 |
| B | 17 | 12 | 0.87 | SCI | UTE -0.33 | 0.27 | 73 |
| B | 19 | 47 | 1.5 | SCI | UTE -0.24 | 0.23 | 69 |
| B | 24 | 47 | 0.54 | SCI | UTE -0.23 | 0.39 | 99 |
| B | 25 | 58 | 0.51 | MCI | UTE -0.30 | 1.10 | 83 |
| B | 27 | 16 | 1.6 | SCI | UTE -0.10 | 0.12 | 51 |
| B | 27 | 43 | 1.31 | SCI | UTE -0.24 | 0.24 | 90 |
| B | 28 | 64 | 1.43 | SCI | UTE -0.14 | 0.26 | 100 |
| B | 28 | 88 | 1.36 | SCI | UTE -0.27 | 0.18 | 78 |
| B | 30 | 103 | 1.31 | SCI | UTE -0.29 | 0.33 | 83 |
| B | 35 | 103 | 0.63 | SCI | UTE -0.25 | 0.27 | 85 |
| B | 41 | 16 | 4.99 | SCI | UTE -0.21 | 0.32 | 68 |
| B | 41 | 26 | 0.97 | SCI | UTE -0.20 | 0.21 | 66 |
| B | 44 | 67 | 3.89 | SCI | UTE -0.17 | 1.03 | 59 |
| B | 44 | 118 | 2.16 | SCI | UTE -0.27 | 0.24 | 58 |
| B | 45 | 14 | 0.92 | SCI | UTE -0.20 | 0.23 | 79 |
| B | 45 | 67 | 11.27 | SCI | UTE -0.03 | 0.33 | 75 |
| B | 45 | 100 | 2.62 | SCI | UTE -0.17 | 0.21 | 71 |

Service Induced Indications – Rerolled in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|-----------|--------|------|
| B | 45 | 118 | 0.49 | SCI | UTE -0.34 | 0.27 | 94 |
| B | 47 | 121 | 0.92 | SCI | UTE -0.42 | 0.15 | 94 |
| B | 48 | 29 | 11.83 | SCI | UTE -0.04 | 0.29 | 98 |
| B | 48 | 50 | 1.77 | SAI | UTE -0.47 | 0.17 | 95 |
| B | 49 | 19 | 1.83 | SCI | UTE -0.15 | 0.21 | 100 |
| B | 49 | 67 | 9.11 | SCI | UTE -0.07 | 0.82 | 98 |
| B | 51 | 112 | 0.83 | SCI | UTE -0.29 | 0.36 | 98 |
| B | 53 | 11 | 1.29 | SCI | UTE -0.20 | 0.41 | 73 |
| B | 56 | 9 | 3.25 | SCI | UTE -0.12 | 0.47 | 86 |
| B | 57 | 28 | 12.8 | SCI | UTE -0.02 | 0.76 | 90 |
| B | 60 | 27 | 1.67 | SCI | UTE -0.16 | 0.29 | 95 |
| B | 61 | 43 | 1.49 | MCI | UTE -0.15 | 1.08 | 66 |
| B | 61 | 80 | 2.24 | SCI | UTE -0.21 | 0.72 | 50 |
| B | 61 | 121 | 0.93 | SCI | UTE -0.25 | 0.21 | 98 |
| B | 64 | 34 | 1.6 | SCI | UTE -0.20 | 0.67 | 98 |
| B | 65 | 87 | 2.42 | SCI | UTE -0.06 | 0.69 | 14 |
| B | 66 | 95 | 10.69 | SCI | UTE -0.09 | 0.35 | 98 |
| B | 66 | 130 | 1.06 | SCI | UTE -0.27 | 0.18 | 98 |
| B | 67 | 11 | 2.8 | SCI | UTE -0.13 | 0.32 | 98 |
| B | 67 | 24 | 2.3 | SCI | UTE -0.22 | 0.21 | 98 |
| B | 67 | 34 | 0.6 | SCI | UTE -0.28 | 0.15 | 97 |
| B | 67 | 79 | 5.48 | SCI | UTE -0.10 | 0.57 | 68 |
| B | 68 | 29 | 1.12 | SCI | UTE -0.20 | 0.23 | 98 |
| B | 68 | 130 | 1.4 | SCI | UTE -0.31 | 0.21 | 55 |
| B | 70 | 15 | 1.37 | SCI | UTE -0.28 | 0.23 | 59 |
| B | 70 | 130 | 1.98 | SCI | UTE -0.33 | 0.39 | 84 |
| B | 71 | 8 | 1.39 | SAI | UTE -0.74 | 0.19 | 88 |
| B | 71 | 105 | 2.53 | SCI | UTE -0.15 | 0.21 | 99 |
| B | 73 | 22 | 0.95 | SAI | UTE -0.71 | 0.19 | 66 |
| B | 73 | 36 | 0.88 | SAI | UTE -0.63 | 0.21 | 56 |
| B | 74 | 32 | 1.49 | MAI | UTE -0.70 | 0.35 | 98 |
| B | 74 | 38 | 1.52 | SAI | UTE -0.67 | 0.19 | 89 |
| B | 74 | 115 | 0.75 | SCI | UTE -0.27 | 0.39 | 93 |
| B | 78 | 114 | 3.22 | SCI | UTE -0.39 | 0.27 | 99 |
| B | 79 | 24 | 0.68 | SAI | UTE -0.77 | 0.15 | 64 |
| B | 79 | 24 | 0.34 | SAI | UTE -0.64 | 0.12 | 95 |
| B | 81 | 9 | 1.1 | SAI | UTE -0.78 | 0.18 | 54 |
| B | 81 | 37 | 1.07 | SCI | UTE -0.19 | 0.24 | 58 |
| B | 81 | 105 | 2.43 | SCI | UTE -0.17 | 0.21 | 100 |
| B | 82 | 28 | 2.76 | SCI | UTE -0.22 | 0.29 | 100 |
| B | 82 | 108 | 1.43 | SCI | UTE -0.25 | 0.21 | 81 |
| B | 82 | 121 | 1.16 | SCI | UTE -0.37 | 0.27 | 97 |
| B | 83 | 28 | 1.4 | SCI | UTE -0.16 | 0.17 | 84 |
| B | 83 | 44 | 5.21 | SCI | UTE -0.07 | 0.54 | 26 |
| B | 83 | 130 | 1.3 | SCI | UTE -0.25 | 0.24 | 100 |
| B | 84 | 13 | 1.81 | SCI | UTE -0.13 | 0.30 | 59 |
| B | 84 | 64 | 1.72 | SAI | UTE -0.77 | 0.16 | 97 |
| B | 85 | 42 | 2.45 | SCI | UTE -0.11 | 0.18 | 47 |
| B | 86 | 120 | 1.12 | SCI | UTE -0.15 | 0.83 | 57 |
| B | 87 | 7 | 1.64 | SCI | UTE -0.21 | 0.45 | 81 |

Service Induced Indications – Rerolled in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|-----------|-------------|------|
| B | 87 | 42 | 3.63 | MCI | UTE -0.14 | 1.40 | 44 |
| B | 89 | 7 | 1.82 | SCI | UTE -0.26 | 0.51 | 99 |
| B | 89 | 17 | 1.75 | SCI | UTE -0.26 | 0.48 | 76 |
| B | 89 | 64 | 0.8 | SCI | UTE -0.70 | 0.18 | 72 |
| B | 90 | 13 | 2.13 | SCI | UTE -0.29 | 0.39 | 81 |
| B | 90 | 106 | 1.61 | SCI | UTE -0.15 | 0.18 | 95 |
| B | 91 | 96 | 1.77 | SCI | UTE -0.13 | 0.23 | 99 |
| B | 91 | 120 | 1.34 | SCI | UTE -0.22 | 0.21 | 99 |
| B | 92 | 16 | 1.25 | SCI | UTE -0.23 | 0.88 | 94 |
| B | 93 | 36 | 4.05 | SCI | UTE -0.18 | 0.41 | 72 |
| B | 93 | 103 | 1.19 | SCI | UTE -0.18 | 0.85 | 96 |
| B | 98 | 29 | 2.98 | SCI | UTE -0.21 | 0.38 | 86 |
| B | 98 | 52 | 0.39 | SCI | UTE -1.27 | 0.15 | 33 |
| B | 99 | 60 | 3.93 | SCI | UTE -0.11 | 0.26 | 78 |
| B | 101 | 25 | 2.23 | SCI | UTE -0.28 | 0.32 | 41 |
| B | 102 | 26 | 1.7 | SCI | UTE -0.24 | 0.29 | 63 |
| B | 102 | 51 | 0.14 | SVI | UTE -1.29 | 0.30 x 0.17 | 11 |
| B | 103 | 18 | 1.87 | SCI | UTE -0.10 | 0.26 | 98 |
| B | 103 | 60 | 10.16 | MCI | UTE -0.10 | 1.58 | 94 |
| B | 103 | 89 | 2.35 | SCI | UTE -0.16 | 0.23 | 97 |
| B | 105 | 29 | 1.18 | SCI | UTE -0.20 | 0.62 | 56 |
| B | 105 | 105 | 1.06 | SCI | UTE -0.13 | 0.71 | 61 |
| B | 106 | 19 | 1.02 | SCI | UTE -0.20 | 0.23 | 67 |
| B | 106 | 34 | 1.52 | SCI | UTE -0.10 | 0.51 | 92 |
| B | 107 | 66 | 4.21 | SCI | UTE -0.10 | 0.41 | 82 |
| B | 108 | 20 | 0.77 | SCI | UTE -0.21 | 0.26 | 98 |
| B | 108 | 63 | 1.06 | SAI | UTE -0.69 | 0.16 | 62 |
| B | 108 | 70 | 4.14 | SCI | UTE -0.14 | 0.23 | 53 |
| B | 112 | 11 | 1.41 | SCI | UTE -0.31 | 0.21 | 58 |
| B | 112 | 25 | 0.74 | SCI | UTE -0.25 | 0.21 | 77 |
| B | 112 | 28 | 1.9 | SCI | UTE -0.21 | 0.77 | 66 |
| B | 112 | 64 | 4.28 | SCI | UTE -0.18 | 0.30 | 95 |
| B | 113 | 25 | 3.41 | SCI | UTE -0.23 | 0.82 | 63 |
| B | 113 | 38 | 1.02 | SCI | UTE -0.28 | 0.18 | 41 |
| B | 113 | 62 | 6.34 | SCI | UTE -0.18 | 0.57 | 35 |
| B | 113 | 71 | 1.87 | SAI | UTE -0.65 | 0.18 | 36 |
| B | 113 | 114 | 2.95 | SCI | UTE -0.30 | 0.24 | 62 |
| B | 114 | 93 | 1.11 | SAI | UTE -1.28 | 0.15 | 47 |
| B | 114 | 95 | 0.54 | SAI | UTE -1.23 | 0.12 | 33 |
| B | 115 | 23 | 1.07 | SCI | UTE -0.18 | 0.21 | 59 |
| B | 115 | 25 | 3.8 | SCI | UTE -0.26 | 0.57 | 89 |
| B | 115 | 43 | 6.95 | SCI | UTE -0.06 | 0.56 | 68 |
| B | 115 | 101 | 0.96 | SAI | UTE -1.27 | 0.12 | 35 |
| B | 117 | 2 | 0.49 | SCI | UTE -0.24 | 0.21 | 78 |
| B | 117 | 82 | 1.34 | SAI | UTE -0.69 | 0.20 | 99 |
| B | 118 | 43 | 1.56 | SCI | UTE -0.24 | 0.26 | 94 |
| B | 120 | 18 | 11.97 | SCI | UTE -0.11 | 0.32 | 97 |
| B | 121 | 69 | 0.57 | SCI | UTE -0.27 | 0.15 | 83 |
| B | 121 | 84 | 0.47 | SAI | UTE -1.22 | 0.12 | 67 |
| B | 122 | 77 | 0.99 | SCI | UTE -0.23 | 0.21 | 99 |

Service Induced Indications – Rerolled in 15R

| OTSG | Row | Tube | Volts | Indication | Location | Length | % TW |
|------|-----|------|-------|------------|-----------|-------------|------|
| B | 123 | 13 | 0.62 | SCI | UTE -0.37 | 0.32 | 66 |
| B | 124 | 46 | 1.66 | SCI | UTE -0.30 | 0.18 | 50 |
| B | 125 | 37 | 5.35 | SCI | UTE -0.22 | 0.21 | 99 |
| B | 127 | 26 | 2.08 | SCI | UTE -0.27 | 0.98 | 73 |
| B | 127 | 43 | 1.9 | SCI | UTE -0.22 | 0.21 | 71 |
| B | 129 | 12 | 2.73 | SCI | UTE -0.18 | 0.38 | 93 |
| B | 129 | 25 | 1.23 | SCI | UTE -0.30 | 0.27 | 97 |
| B | 130 | 59 | 0.23 | SAI | UTE -2.32 | 1.33 | 1 |
| B | 130 | 59 | 2.05 | SCI | UTE -0.10 | 0.27 | 44 |
| B | 131 | 14 | 1.27 | SCI | UTE -0.28 | 0.60 | 97 |
| B | 131 | 25 | 1.53 | SCI | UTE -0.17 | 0.26 | 24 |
| B | 134 | 50 | 2.01 | SCI | UTE -0.21 | 0.29 | 97 |
| B | 135 | 19 | 1.23 | SCI | UTE -0.27 | 0.21 | 100 |
| B | 135 | 21 | 5.05 | SCI | UTE -0.11 | 0.30 | 73 |
| B | 136 | 17 | 0.48 | SVI | UTE -0.51 | 0.21 x 0.20 | 38 |
| B | 137 | 23 | 2.08 | SCI | UTE -0.24 | 0.51 | 82 |
| B | 139 | 2 | 1.1 | SCI | UTE -0.20 | 0.23 | 40 |
| B | 139 | 64 | 1.69 | SCI | UTE -0.29 | 0.27 | 99 |
| B | 142 | 25 | 0.24 | SAI | UTE -1.47 | 0.31 | 61 |
| B | 148 | 37 | 0.61 | SCI | UTE -0.41 | 0.15 | 78 |
| B | 149 | 2 | 1.81 | SCI | UTE -0.27 | 0.41 | 79 |
| B | 151 | 14 | 4.55 | SCI | UTE -0.14 | 0.36 | 43 |

PROGRESS ENERGY FLORIDA, INC.

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APPENDIX 5 TO SPECIAL REPORT 08-01

OTSG-B First Span IGA Graphs

