

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT
SURVEILLANCE INSTRUCTION

3-SI-4.6.G

INSERVICE INSPECTION PROGRAM UNIT 3

REVISION 0

PREPARED BY: J. LEWIS

PHONE: 4866

RESPONSIBLE ORGANIZATION: NUCLEAR ENGINEERING

APPROVED BY:

DATE:

EFFECTIVE DATE:

LEVEL OF USE: CONTINUOUS USE

VALIDATION DATE: NOT REQUIRED

QUALITY-RELATED

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REVISION LOG

Procedure Number: 3-SI-4.6.G

Revision Number: 000

Pages Affected: all

Description of Change:

- IC 01 - COMMITMENT

New procedure to implement the 1989 Edition of ASME Section XI for the Unit 3 second ten-year interval NDE program in accordance with 10CFR50.55a. This procedure also contains augmented recommendations and requirements related to NDE of plant components.



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OWNER'S STATEMENT

Owner: Tennessee Valley Authority

Address of Corporate Office: Chattanooga Office Complex
1101 Market St.
Chattanooga, TN 37402-2801

Name & Address of Power Plant: Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, AL 35609

Applicable Nuclear Power Unit: BFN, Unit 3

Construction Permit Date: July 31, 1968

Commercial Operation Date: March 1, 1977

1.0 INTRODUCTION

1.1 Purpose

This Inservice Inspection (ISI) Program is an administrative surveillance instruction (SI) utilized to obtain data through nondestructive examinations (NDE) required by ASME Section XI. This procedure satisfies portions of Technical Specification 3/4.6.G related to NDE of code class 1, 2, and 3 equivalent components in accordance with applicable ASME Section XI requirements. NDE results are used to verify continued structural integrity of the subject components and their acceptability for continued service.

1.2 Scope

This program is designed to comply with the 1989 Edition (no addenda) of ASME Section XI for the second inspection interval of Browns Ferry Nuclear Plant (BFN) unit 3. Relief requests are issued for regulatory review and approval when implementation of ASME Section XI requirements is determined to be impractical in accordance with 10CFR50.55a(g)(4). This program provides for implementation in accordance with the Program B scheduling requirements of ASME Section XI, IWA-2432.

ASME code equivalent boundaries are depicted on the color-coded boundary drawings listed in section 2.5. These drawings are prepared and maintained by M/N Engineering and are issued and controlled through Document Control and Records Management (DCRM).

Elements of ASME Section XI, Articles IWX-4000, 5000, 6000, and 7000 other than NDE (repairs and replacements, system pressure tests, pump and valve inservice testing, and snubber examination and inservice testing) are implemented by other site procedures. Refer to sections 7.7, 7.8, 7.9, and 7.10, respectively.

1.3 Frequency

1.3.1 Inspection Interval and Inspection Periods

This inspection interval is from November 19, 1996 to November 18, 2005. This is the second inspection interval for BFN unit 3 and is nine years long, since the first interval was extended by one year (as allowed by Code). The inspection interval is divided into three periods in accordance with ASME Section XI, IWA-2432, Inspection Program B.



1.0 INTRODUCTION (continued)

The associated inspection period dates are listed below:

<u>Inspection Period</u>	<u>Minimum Exams</u>	<u>Maximum Exams</u>
First (11/19/96-11/18/99)	16%	34%
Second (11/19/99-11/18/02)	50%	67%
Third (11/19/02-11/18/05)	100%	100%

The minimum and maximum examination percentages are applicable to those examination categories where deferral is not permissible.

The inspection interval may be extended in accordance with IWA-2430(e) if unit 3 is out of service continuously for six months or more.

2.0 REFERENCES

2.1 Technical Specifications

BFN Unit 3 Technical Specifications, Surveillance Requirement 3/4.6.G, Structural Integrity.

2.2 Final Safety Analysis Report

Browns Ferry Nuclear Plant Updated Final Safety Analysis Report, Volume 2, Section 4.12.

2.3 NRC Documents

10CFR50.55a(g), Code of Federal Regulations

10CFR50.2, Code of Federal Regulations

Regulatory Guide 1.26, Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants

Regulatory Guide 1.147, Inservice Inspection Code Case Acceptability ASME Section XI Division I

IE Bulletin 80-13, Core Spray Spargers

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2.0 REFERENCES (continued)

Generic Letter 88-01, NRC Position on IGSCC in BWR Austenitic Stainless Steel Piping

NUREG-0313, Rev. 2, Technical Report on Material Selection and Processing Guidelines for BWR Coolant Pressure Boundary Piping, Final Report

NUREG-0619, BWR Feedwater Nozzle and Control Rod Drive Return Line Nozzle Cracking

2.4 Plant Procedures and Instructions

SSP-3.1, Conduct of Quality Assurance

SSP-3.4, Corrective Action

SSP-4.5, Regulatory Reporting Requirements

SSP-6.9, ASME Section XI Repairs and Replacements

SSP-6.10, ASME Section XI Inservice Inspection

SSP-8.5, ASME Section XI System Pressure Test Program

SSP-8.6, ASME Section XI Pump and Valve Inservice Testing

2-SI-4.6.H.1, Visual Examination of Hydraulic and Mechanical Snubbers

1-SI-4.6.G, Inservice Inspection Program for Unit 1

2-SI-4.6.G, Inservice Inspection Program for Unit 2

MSI-0-001-VSL001, Reactor Vessel Disassembly and Reassembly

MCI-0-068-PMP001, Maintenance of Reactor Water Recirculation Pumps

MSI-0-001-INS001, Reactor Vessel Internals Visual and Ultrasonic Inspection

IEP-200, Qualification and Certification Requirements for NQA NDE Personnel

IEP-100, Nondestructive Examination Procedures Approved for use on CSSC Items at all Nuclear Plants

2.0 REFERENCES (continued)

2.5 ISI Drawings

2.5.1 Unit 3 Section XI Code Class Boundary Drawings

3-47E600-57A-ISI, RCS Instrumentation

3-47E610-43-1-ISI, Sampling and Water Quality System

3-47E610-43-6-ISI, Sampling and Water Quality System

3-47E801-1-ISI, Main Steam

3-47E801-2-ISI, Main Steam

3-47E803-1-ISI, Feedwater System

3-47E807-2-ISI, Turbine Drains & Misc. Piping

3-47E810-1-ISI, Reactor Water Clean-up System

3-47E811-1-ISI, Residual Heat Removal System

3-47E812-1-ISI, High Pressure Coolant Injection System

3-47E813-1-ISI, Reactor Core Isolation Cooling System

3-47E814-1-ISI, Core Spray System

3-47E817-1-ISI, Nuclear Boiler

3-47E820-2-ISI, Control Rod Drive Hydraulic System

3-47E820-6-ISI, Control Rod Drive Hydraulic System

3-47E822-1-ISI, Reactor Building Closed Cooling Water System

0-47E839-5-ISI, Raw Water Chemical Treatment System

3-47E844-2-ISI, Raw Cooling Water

3-47E852-1-ISI, Floor & Dirty Radwaste Drainage System

3-47E852-2-ISI, Clean Radwaste & Decon. Drainage System

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2.0 REFERENCES (continued)

3-47E854-1-ISI, Standby Liquid Control System

3-47E855-1-ISI, Fuel Pool Cooling System

3-47E856-2-ISI, Demineralized Water System

3-47E858-1-ISI, RHR Service Water System

3-47E859-1-ISI, Emergency Equipment Cooling Water System

3-47E859-2-ISI, Emergency Equipment Cooling Water System

3-47E866-5-ISI, Air Conditioning Chilled Water

3-47E866-7-ISI, Air Conditioning Chilled Water

0-117C2556-4-ISI, Rack 25-18

0-117C2556-5-ISI, Rack 25-18

3-117C2563-4-ISI, Rack 25-51

3-117C2563-5-ISI, Rack 25-51

3-117C2564-4-ISI, Rack 25-52

3-117C2564-5-ISI, Rack 25-52

2.5.2 Unit 3 ISI Component and Component Support Drawings

ISI-0220-C, RPV Shell Course Weld/Nozzle Locations

ISI-0267-C, Vessel Stud Locations

ISI-0295-A, Closure Head Assembly Weld Locations

ISI-0293-C, Control Rod Drive RPV Penetrations

ISI-0445-C, Bottom Head Assembly Weld Locations

ISI-0422-C, RHR Heat Exchanger Weld Locations

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2.0 REFERENCES (continued)

ISI-0033-C, RBCCW System Class 2 Weld Locations

ISI-0102-C, Core Spray System Class 2 Weld Locations

ISI-0143-C, CRD System Class 2 Weld Locations

ISI-0327-C, Feedwater System Class 1 Weld Locations

ISI-0328-C, Recirculation System Class 1 Weld Locations

ISI-0329-C, Main Steam System Class 1 Weld Locations

ISI-0330-C, RHR System Class 1 Weld Locations

ISI-0331-C, Core Spray System Class 1 Weld Locations

ISI-0332-C, CRD, RCIC, and RWCU System Class 1 Weld Locations

3-ISI-0333-C, HPCI and RWCU Systems Class 1 Weld Locations

ISI-0354-C, Main Steam System Class 2 Weld Locations

ISI-0393-C, RHR System Class 2 Weld Locations

ISI-0411-C, Jet Pump Instr. Nozzle Class 1 Weld Locations

CHM-2407-C, HPCI System Class 2 Weld Locations

3-CHM-2408-C, RCIC System Class 2 Weld Locations

3-ISI-0034-C, RBCCW System Class 2 Support Locations

3-ISI-0104-C, Core Spray System Class 2 Support Locations

3-ISI-0144-C, CRD Scram Discharge System Class 2 Support Locations

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2.0 REFERENCES (continued)

3-ISI-0334-C, RWCU and RCIC Support Locations

3-ISI-0335-C, HPCI and RWCU Systems Class 1 Support Locations

3-ISI-0336-C, Feedwater System Class 1 Support Locations

3-ISI-0337-C, Recirculation System Class 1 Support Locations

3-ISI-0338-C, Main Steam System Class 1 Support Locations

3-ISI-0339-C, Core Spray System Class 1 Support Locations

3-ISI-0340-C, RHR System Class 1 Support Locations

ISI-0355-C, Main Steam System Class 2 Support Locations

ISI-0390-C, EECW System Class 3 Support Locations

3-ISI-0395-C, RHR System Class 2 Support Locations

3-ISI-0453-C, MSRV System Vent Piping Class 3 Support Locations

3-CHM-2412-C, RCIC System Class 2 Support Locations

3-CHM-2413-C, HPCI System Class 2 Support Locations

3-CHM-2416-C, RHRSW Class 3 Support Locations

3-CHM-2429-C, FPCS Class 3 Support Locations

ISI-0313-B, Main Steam Class 1 Bolted Connections

ISI-0413-C, Recirculation Pump Class 1 Bolting Locations

ISI-0311-B, RHR Class 2 Pump Support

ISI-0416-C, Reactor Vessel Supports

2.0 REFERENCES (continued)

2.6 Vendor Manuals

- 2.6.1 BFN-VTM-B014-0010, B&W Reactor Pressure Vessel Manual, Contract 66C60-90744
- 2.6.2 BFN-VTM-B580-0010, B&J Recirculation Pump Manual, Contract 67C60-91750
- 2.6.3 BFN-VTM-B260-0030, Bingham Pump Co. RHR Pump Manual, Contract 66C60-90744
- 2.6.4 BFN-VTM-P160-0010, VTM-P160-0010, Vendor Technical Manual for Perfex Corp. Heat Exchangers, Types NEN, CEU, CES, and CEN

2.7 Reference Documents

- 2.7.1 ASME Boiler and Pressure Vessel Code, Section XI, Division 1, 1989 Edition.
- 2.7.2 ASME Section XI Code Cases as listed in Section 4.0.

2.8 General Electric Service Instruction Letters

- 2.8.1 GE SIL No. 289, Core Spray Piping Visual Examination
- 2.8.2 GE SIL No. 330, Jet Pump Beam Inspection
- 2.8.3 GE SIL No. 409, Incore Dry Tube Cracks
- 2.8.4 GE SIL No. 420, Inspections of Jet Pump Sensing Lines
- 2.8.6 GE SIL No. 554, RPV Top Guide Inspection
- 2.8.7 GE SIL No. 462, Shroud Support Access Hole Cover Cracks
- 2.8.8 GE SIL No. 465, Jet Pump Throat Inspection
- 2.8.10 GE SIL No. 551, Jet Pump Riser Brace Inspection

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2.0 REFERENCES (continued)

- 2.8.11 GE SIL No. 571, Instrument Nozzle Safe End Inspection
- 2.8.12 GE SIL No. 572, Core Spray Support Shroud Examination
- 2.8.13 GE SIL No. 574, Jet Pump Adjusting Screws Inspection
- 2.8.14 GE SIL No. 588, Top Guide and Core Plate Bolting Examination
- 2.8.15 GE RICSIL No. 078, Jet Pump Restrainer Bracket Set Screw Gaps

2.9 Miscellaneous Documents

- 2.9.1 BFPER951466, Inservice Inspection Program Problem Evaluation Report Units 1 & 3.
- 2.9.2 DNE Calculation, Exclusion Criteria for ISI Scope. RIMS R14950829109. (MD-Q0999-950033)
- 2.9.3 GE Letter Nos.: BFSE 93-143, BFSE 94-001, BFSE 94-002, BFSE 94-005, and BFSE 94-007.

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3.0 PRECAUTIONS AND LIMITATIONS

RADCON shall be contacted prior to any work in a radiologically controlled area (RCA). RADCON shall determine the requirements for a radiological work permit (RWP) and any other radiological requirements.

4.0 CODES OF RECORD AND CODE CASES

4.1 Current Code Requirements and Code Cases

This program is in effect for BFN Unit 3 during the second inspection interval which began November 19, 1996. The unit 1 and 2 ISI programs are contained in 1-, and 2-SI.4.6.G, respectively.

The code of record for the unit 3 second inspection interval is the 1989 Edition (no addenda) of ASME Section XI. The effective code edition and addenda are determined in accordance with 10CFR50.55a(g)(4). The extent of examination for category B-J welds is in accordance with the 1974 Edition, Summer 1975 Addenda of ASME Section XI in accordance with 10CFR50.55a(b)(2)(ii). Extent of examination is defined as the selection criteria for determining the Class 1 welds to be examined during the inspection interval. Refer to section 7.3.1.E.

The following code cases have been approved for use by the NRC in Regulatory Guide 1.147 and have been adopted by TVA for use at BFN Unit 3:

Code Case N-307-1, Revised Ultrasonic Examination Volume for Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted from the Center Drilled Hole, Section XI, Division 1.

Code Case N-435-1, Alternative Examination Requirements for Vessels with Wall Thickness 2 in. or less, Section XI, Division 1.

Code Case N-457, Qualification Specimen Notch Location for Ultrasonic Examination of Bolts and Studs, Section XI, Division 1.

Code Case N-460, Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1.

Code Case N-461, Alternative Rules for Piping Calibration Block Thickness, Section XI, Division 1. This code case is accepted in Regulatory Guide 1.147 with the following conditions: Thickness measurements and weld joint contour of the pipe/component must be known and used by the inspector who conducts the UT examination.

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4.0 CODES OF RECORD AND CODE CASES (cont.)

Code Case N-491, Alternative Rules for Examination of Class 1, 2, 3 and MC Component Supports of Light-Water Cooled Power Plants, Section XI, Division 1.

Code Case N-503, Limited Certification of Nondestructive Examination Personnel, Section XI, Division 1.

The following code cases have been submitted to the NRC for approval and use at BFN Unit 3 in accordance with 10CFR50.55a(a)(3):

Code Case N-524, Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping - Section XI, Division 1.

Code Case N-532, Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000 - Section XI, Division 1.

Code Case N-547, Alternative Examination Requirements for Pressure Retaining Bolting of Control Rod Drive (CRD) Housings Section XI, Division 1.

4.2 History of Codes of Record

4.2.1 Preservice Inspection (PSI) History

A PSI program was not required for Unit 3 based on its construction permit date of July 31, 1968. TVA performed a voluntary PSI for Class 1 components to the 1971 Edition, Summer 1971 Addenda of ASME Section XI.

4.2.2 First Inspection Interval History

The first inspection interval began March 1, 1977 and ended September 30, 1996 and was prepared to comply with the 1974 Edition, Summer 1975 Addenda of ASME Section XI. Ultrasonic examination and evaluation of piping welds was upgraded to the 1977 Edition, Summer 1978 Addenda of ASME Section XI beginning July 1, 1991. Commencing January 1, 1992, the PSI of piping welds, including the extent of examination (Examination Categories B-F, B-J, and C-F), was upgraded to the 1977 Edition, Summer 1978 Addenda of ASME Section XI. From June 12, 1992 to December 15, 1995, NDE methods, qualification of personnel, weld reference system, and

4.0 CODES OF RECORD AND CODE CASES (cont.)

standards for examination evaluation were in accordance with the 1986 Edition of ASME Section XI. From December 15, 1995 to September 30, 1996, NDE methods, qualification of personnel, weld reference system, and standards for examination evaluation were in accordance with the 1989 Edition of ASME Section XI.

5.0 SPECIAL TOOLS AND EQUIPMENT

Equipment is specified in the applicable NDE procedure utilized for performance of the examination.

6.0 ACCEPTANCE STANDARDS

Acceptance criteria are specified in the applicable NDE procedures of IEP-100, which are in compliance with ASME Section XI, Articles IWA-3000, IWB-3000, IWC-3000, IWD-3000, and Code Case (N-491)-3000.

Evaluation of examinations is performed in accordance with IWB-3132.4, IWB-3142.4, IWC-3122.4, IWC-3132.3, (N-491)-3112.3, or (N-491)-3122.1 shall be submitted to the regulatory authority having jurisdiction at the plant site. This information may be submitted with the Inservice Inspection Owner's Activity Report or, if deemed necessary, a separate report shall be submitted.

7.0 INSTRUCTION STEPS/ELEMENTS

7.1 Responsibilities

7.1.1 Corporate Engineering, Materials & Inspection (M&I)

- A. Providing ASME Section XI interpretations as requested by various site organizations or as required in program development and implementation.
- B. Providing assessment and oversight of ISI programs and activities, including review of ISI Program reports and submittals prior to issuance.
- C. Review of relief requests prior to issuance.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.1.2 M/N Engineering

- A. Defining ASME Section XI Code Class 1, 2, and 3 equivalent boundaries in accordance with applicable guidelines (e.g.: 10CFR50.2, 10CFR50.55a, ASME Section XI, Regulatory Guide 1.26, and others).
- B. Preparing/revising ASME Section XI Code Class boundary drawings to identify the ASME Section XI Class 1, 2, and 3 equivalent boundaries within each plant system as defined in 7.1.2.A. See Section 2.5 for drawing list.
- C. Preparing/revising ASME Section XI ISI drawings that identify the Class 1, 2, and 3 equivalent components (including supports) that require NDE to comply with ASME Section XI requirements. See Section 2.5 for drawing list.
- D. Preparing/revising this instruction (ISI Program) in accordance with site procedures SSP-2.3. Transmittal of this program to licensing for subsequent submittal to NRC. See Section 7.1.4.A.
- E. Ensuring this program includes the following information as a minimum:
 - (1) The ASME Section XI Code of Record for ISI
 - (2) Inspection interval number and begin/end dates
 - (3) List of ASME Section XI code class boundary drawings
 - (4) List of ASME Section XI ISI drawings
 - (5) ASME Section XI Examination Category and Item Number for components.
 - (6) Examination schedule providing quantities for each applicable code item number distributed over each period of the inspection interval

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- (7) NDE method required for each code item number
 - (8) Applicable relief requests
 - (9) Name and address of Owner
 - (10) Name and address of generating plant
 - (11) Name or number designation of the unit
 - (12) Commercial operation date of the unit
 - (13) Description of the system utilized for maintaining record of completed examinations
 - (14) Description of scan plan contents and control
 - (15) Applicable augmented examination requirements and their basis
- F. Providing a list of components scheduled for examination during each refueling outage to Inspection Services Organization (ISO) for scan plan development. This list shall include the component identifier, ASME Section XI examination category and item number, ISI drawing number and sheet number, and examination requirement source.
- G. Approving scan plan and revisions and submitting copies of the approved scan plan to site management and the ANII.
- H. Determining scope of additional samples and notification of site engineering when an indication(s) is results from inservice inspection examinations.
- I. Notifying site engineering of indications found during the final additional sample examination to allow evaluation for further actions to be taken.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- J. Preparing a Request for Relief (RFR) as required when conformance with Code requirements is impractical. ISO responsibilities related to identification of limited examinations are listed in section 7.1.5.
- K. Submitting RFRs to Site Licensing in a timely manner to support ISI activities.
- L. Performing NDE in accordance with this instruction.
- M. Ensuring that ISI/PSI examinations are performed in accordance with approved TVA or contractor NDE procedures authorized by ISO.
- N. Administering the AIA contract and ensuring that services of AIA are utilized when performing Code required activities. TVA's interface with the Authorized Inspector for ISI, repairs, and replacements is defined in SSP-6.9 and SSP-6.10.
- O. Providing AIA representative with access to plant facilities and documentation in accordance with IWA-2130 of ASME Section XI.
- P. Notifying ANII prior to performing ASME Section XI examinations.
- Q. Preparing a Notification of Indication (NOI) to document rejectable indications detected during the performance of ASME Section XI examinations. The NOI process is defined in SSP-6.10.
- R. Preparing examination reports and recording them (report number, date, examiner's initials, and comments/NOI number) in the scan plan. When inservice examinations are implemented by instructions other than this program, copies of the examination data sheets shall be submitted to M/N Engineering by the performing organization. These data sheets shall be used as examination reports and incorporated into the scan plan.
- S. Ensuring that scan plan examinations are complete prior to completion of an outage.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- T. Preparing Owner's Activity Report (OAR), preparing augmented examination summary reports, obtaining ANII signature on the OAR form, coordinating summary report review with ISO, and submitting augmented examination summary reports to Site Licensing. The OAR reports shall be submitted to Site Licensing at the end of the inservice inspection period. Refer to Request for Relief 3-ISI-6.
- U. Preparing and submitting the Site Final Report to RM as a QA record.
- V. Ensuring records used as PSI records from manufacturers or construction organizations comply with SSP-6.10, Sections 3.5 and 3.6.
- W. Calculation of component support acceptance ranges, if required, in accordance with IEP-100, N-GP-7 and N-VT-1.
- X. Maintaining calibration blocks stored at the plant site.
- Y. Initiating a pre-outage meeting to identify augmented examinations in accordance with section 7.11.

7.1.3 Site Engineering

- A. Including provisions for inservice inspection access in designs in accordance with ASME Section XI, IWA-1400(b) and IWA-1500.
- B. Performing engineering evaluations in support of examination indications related to operability and corrective measures.
- C. Performing evaluations of indications found during final additional sample examinations to determine if further action is required.
- D. Determining those component supports that could be affected by observed failure modes and could affect nonexempt components.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- E. Providing specific written details for augmented requirements they are responsible for, refer to Section 7.11, and determining if a post examination meeting is required.

7.1.4 Site Licensing

- A. Filing this instruction, including revisions, with the NRC in accordance with IWA-1400(c).
- B. Submitting RFRs, OARs, and IW(X)-3600 analytical reports to the NRC.

7.1.5 ISO

- A. Developing and maintaining a computerized data base to include components identified on the ISI weld and support drawings.
- B. Preparing/revising scan plans for each refueling outage of the inspection interval utilizing a computerized data base. This includes providing additional information provided by NDE Level III personnel to complete the scan plan, such as NDE procedure references, calibration standard references, and UT scanning angles.
- C. Providing NDE Level III approval of scan plan revisions that affect the additional information of section 7.1.5.B, and maintaining a scan plan revision history log.
- D. Providing NDE Level III determination of examination limitations requiring initiation of a RFR and notifying M/N engineering.
- E. Approving contractor NDE procedures (using IEP-100 as a guideline), contractor written practices for qualification and certification of NDE personnel, and certifications of contractor's NDE personnel performing ISI/PSI.
- F. Providing NDE Level III evaluation of successive examination results.
- G. Packaging radiographs for storage and providing them with reader sheets as a life of plant record to RM.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- H. Providing copies of IEP-100 NDE procedure revisions and evidence of personnel qualifications to RM as RIMs records for the service lifetime of the plant in accordance with IWA-1400(k).
- I. Maintaining as-built calibration standard drawings and the calibration standard material certifications.

7.1.6 Site Records Management (RM)

- A. Issuing controlled copies of ASME Section XI code class boundary drawings and ISI drawings.
- B. Issuing this instruction and providing controlled copies to M/N Engineering, ANI/ANII, and other requesting organizations.
- C. Maintaining the site final report as a life of plant QA document. Other records referenced in the final report (work plans, radiographs, etc.), NDE procedure revisions, and evidence of personnel qualifications shall be retained for the service lifetime of the plant.

7.1.7 Authorized Nuclear Inservice Inspector (ANII)

- A. Performing the duties of IWA-2110, including a detailed review of this instruction and subsequent revisions. He shall submit a report of the review to the Owner in accordance with IWA-2110(a)(3).
- B. Having the prerogative and authorization to require requalification of an operator or procedure when he has reason to believe code requirements are not being met.

7.1.8 Nuclear Assurance and Licensing

- A. Ensuring the adequacy of contractor's QA programs in accordance with the TVA Nuclear Quality Assurance Plan.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.2 Implementation

7.2.1 System for Maintaining Status of Examinations

A. Data Base

ISO and M/N Engineering shall utilize a computerized data base for maintaining the status of completed examinations for ASME Section XI credit and for augmented credit.

B. Scan Plan

- (1) The scan plan details the examinations scheduled for performance during an outage. It should contain as a minimum: components to be examined; Code examination category; Code item number; methods of examination; NDE procedure reference; calibration standard reference; ISI drawing and sheet number; and for ultrasonic examination, the scanning angles.
- (2) Prior to performing examinations, the scan plan shall be approved by M/N Engineering.
- (3) When inservice examinations are performed as a result of instructions other than this program (e.g., maintenance instructions, work plans, etc.), copies of the examination data sheets shall be submitted to M/N Engineering by the performing organization for assignment of a report number and incorporation into the scan plan.
- (4) During implementation, it may become necessary to revise the scan plan. Scan plan revisions may be initiated by M/N Engineering, ISO, or by other personnel involved with implementation of the scan plan. All changes shall be coordinated with M/N Engineering and, as needed, with the appropriate plant planning and scheduling personnel for facilitating the use of supporting craft personnel.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

Revisions to the scan plan shall be controlled in the same manner as the original. ISO shall maintain a scan plan revision history log. Interim working copies may be handwritten to allow examinations to be performed before a formal revision is issued. These changes shall be approved by M/N Engineering and/or a NDE Level III, as required by Section 7.1.2.G or Section 7.1.5.C. Approving individuals shall initial and date such changes.

C. Configuration Changes

- (1) When major portions of existing pipe or supports are replaced or new systems are added, a system walkdown should be performed under the direction of M/N Engineering to identify the pipe configuration, welds, components, and supports that are required to be in the inspection program.
- (2) If variations in configuration are discovered or modifications (including additions or deletions), repairs or replacements are made during the service lifetime of the unit, the changes shall be marked on field corrected copies of the appropriate drawing listed in Section 2.5 by an M/N Engineering representative. The field corrected copies shall be used in the performance of examinations and as records until the drawing has been revised to reflect the change(s).
- (3) M/N Engineering shall be responsible for reviewing the proposed change, revising the drawings as necessary, and issuing the revised drawings prior to the next refueling outage.

7.2.2 Notification of Indication (NOI)

- A. A NOI form, FORM SSP-273 which is referenced in SSP-6.10, shall be used to document indication(s) exceeding the acceptance criteria of Article 3000 of ASME Section XI or of 3000 of Code Case N-491. M/N Engineering shall provide/coordinate dispositions for NOIs in accordance with SSP-3.4 and SSP-6.10.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

B. Additional Examinations

- (1) Additional examinations for Class 1 equivalent components (IWB) shall be in accordance with the requirements of IWB-2430. The additional examination samples are defined as those items (welds, areas, or parts) in a particular examination category and item number. Engineering judgment should be documented concerning expansion (or no expansion) into additional systems. The initial sample is the sample scheduled for examination at a particular outage for ASME Section XI credit.

- (a) Examinations of the initial sample that reveal indications exceeding the acceptance standards of IWB-3410-1 shall be extended to include additional examinations in the same outage as the initial examinations.

The first additional examination sample shall include items scheduled for this and the subsequent period. If examinations for that item are not scheduled in the subsequent period, the most immediate period containing scheduled examinations of that item shall be examined.

- (b) If the first additional examinations of (1)(a) detect indications exceeding the acceptance standards of Table IWB-3410-1, further additional examinations shall be performed during the outage. The second additional examination sample shall include the remaining items of similar design, size, and function.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- (2) Additional examinations for Class 2 equivalent components (IWC) shall be selected in accordance with IWC-2430. The additional examination samples are defined as those items (welds, areas, or parts) in a particular examination category and item number. Engineering judgment should be documented concerning expansion (or no expansion) into additional systems. The initial sample is the sample scheduled for examination at a particular outage for ASME Section XI credit.
 - (a) Examinations of the initial sample that reveal indications exceeding the acceptance standards of IWC-3000 shall be extended to include additional examinations in the same outage as the initial examinations. The first additional sample shall include approximately the same number of items examined in the initial sample. The items selected should be those available in the interval sample that have the longest service time from its previous inservice examination.
 - (b) If the first additional examinations of (2)(a) detect indications exceeding the acceptance standards of Table IWC-3000, further additional examinations shall be performed during the outage. The second additional examination sample shall include the remaining items of similar design, size, and function.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- (3) Additional examinations for component supports (IWF) shall be in accordance with Code Case N-491 section -2430.
 - (a) If component supports in the initial sample must be subjected to corrective measures in accordance with (N-491)-3000, the component supports immediately adjacent to those for which corrective action is required shall be examined. Also, the examinations shall be extended to include a first additional sample that includes supports within the system, equal in number and of the same type and function as those scheduled for examination during the period.
 - (b) When the additional examinations of (3)(a) require corrective measures in accordance with (N-491)-3000, a second additional sample of the remaining component supports within the system of the same type and function as in (3)(a) shall be examined.
 - (c) When the additional examinations of (3)(b) require corrective measures in accordance with (N-491)-3000, examinations shall be extended to include a third additional sample of the remaining nonexempt supports potentially subject to the same failure modes that required corrective measures in (3)(a) and (3)(b). These additional examinations shall include nonexempt component supports in other systems when support failures requiring corrective measures indicate non-system related failure modes. At the request of M/N Engineering, Site Engineering shall make the determination of failure mode applicability and select the third additional sample.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- (d) When the additional examinations of (3)(c) require corrective measures in accordance with (N-491)-3000, examination shall be extended to those exempt component supports that could be affected by the same observed failure modes and could affect nonexempt components. At the request of M/N Engineering, Site Engineering shall make the determination of failure mode applicability and select a fourth additional sample of exempt component supports that could affect nonexempt components.
- (4) If the final sample examinations in (3)(d) above detect indications exceeding the acceptance standards of Article 3000 of ASME Section XI, M/N Engineering shall notify Site Engineering to evaluate the indications and make recommendations(s) for further action, if needed. These actions would be beyond those required by ASME Section XI.

7.2.3 Examinations

- A. NDE shall be performed in accordance with IWA-2200 of ASME Section XI utilizing the NDE procedures of IEP-100 or approved contractor procedures.
- B. Personnel performing NDE operations shall be qualified and certified in accordance with IWA-2300 of ASME Section XI as specified in IEP-200.
- C. The inservice examinations may be performed by M/N Engineering, ISO, or contractor personnel.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- D. A weld reference system shall be established for welds and areas subject to surface or volumetric examination in accordance with IWA-2600.
- E. When less than the required ASME Section XI code examination volume or area is examined, the percentage examined shall be documented on the examination data sheet. The cause of the limitation shall be clearly specified as a part of the data sheet documentation. A NDE Level III representative shall review the limitations or impractical examinations during the refueling outage and determine if code coverage was achieved. If one was not achieved, the NDE Level III representative shall notify M/N Engineering immediately to determine if another component should be substituted or relief requested.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)7.3 Components Subject to Examination

7.3.1 ASME Class 1 Equivalent Components Subject to Examination (IWB)

A. ASME Class 1 equivalent systems are listed below:

- Control Rod Drive Hydraulic System (CRD)
- Core Spray System (CS)
- Feedwater System (FW)
- High Pressure Coolant Injection System (HPCI)
- Main Steam System (MS)
- Reactor Core Isolation Cooling System (RCIC)
- Recirculation System (RECIR)
- Residual Heat Removal (RHR)
- Reactor Pressure Vessel (RPV)
- Standby Liquid Control System (SLC)

B. The specific components subject to examination are identified on ISI drawings listed in Section 2.5. Section 8.4 contains detailed information for selected Class 1 valves. The number of components within each system, the number selected for examination during the interval and the number selected for examination by period are provided in Section 8.1 Examination Schedule - Class 1 Equivalent (IWB) Components.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- C. The component size and shape associated with IWB-1220(a) is determined by the calculation referenced in subsection 2.9.2. IWB-1220, footnote 2 allows the exemptions from examination in IWC-1220 to be applied for those components.
- D. Selection and scheduling of ASME Class 1 equivalent components is in accordance with IWB-2412, Inspection Program B, IWB-1200 exemptions, and applicable requirements of Table IWB-2500-1.
- E. The extent of examination for Category B-J welds is determined by the requirements of Table IWB-2500 and Table IWB-2600, Examination Category B-J, 1974 Edition with Addenda through Summer 1975 (1974S75) as allowed by 10CFR50.55a(b)(2)(ii). Carbon and low alloy steel similar metal nozzle to safe end transition piece (terminal ends connected to vessels) welds will be examined during the interval in conjunction with an additional number of circumferential welds not examined during the first interval to provide a 25% sample.
- F. The selection of longitudinal welds for examination is in accordance with the alternative described in Code Case N-524, Request for Relief 3-ISI-3.
- G. The examination of Class 1 equivalent component supports is in accordance with section 7.3.4.

7.3.2 ASME Class 2 Equivalent Components Subject to Examination (IWC)

- A. ASME Class 2 equivalent systems are listed below:
 - Control Rod Drive Hydraulic System (CRD)
 - Core Spray System (CS)
 - High Pressure Coolant Injection System (HPCI)
 - Main Steam System (MS)
 - Reactor Building Closed Cooling Water System (RBCCW)

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- Reactor Core Isolation Cooling System (RCIC)
 - Residual Heat Removal System (RHR)
- B. The specific components subject to examination are identified on ISI drawings listed in Section 2.5. The number of components within each system, the number selected for examination during the interval and the number selected for examination by period are provided in Section 8.1 Examination Schedule - Class 2 Equivalent (IWC) Components.
- C. Selection and scheduling of ASME Class 2 equivalent components is in accordance with IWC-2412, Inspection Program B, IWC-1200 exemptions, and applicable requirements of Table IWC-2500-1.
- D. The selection of longitudinal welds for examination is in accordance with the alternative described in Code Case N-524, Request for Relief 3-ISI-3.
- E. The examination of Class 2 equivalent component supports is in accordance with section 7.3.4.

7.3.3 ASME Class 3 Equivalent Components Subject to Examination (IWD)

- A. ASME Class 3 equivalent systems are listed below:
- Emergency Equipment Cooling Water System (EECW)
 - Fuel Pool Cooling System (FPC)
 - Residual Heat Removal Service Water System (RHRSW)
- B. The specific components subject to examination are identified on ISI drawings listed in Section 2.5. The number of components within each system, the number selected for examination during the interval and the number selected for examination by period are provided in Section 8.1 Examination Schedule - Class 3 Equivalent (IWD) Components.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- C. Selection and scheduling of ASME Class 3 equivalent components is in accordance with IWD-2412, Inspection Program B, IWD-1200 exemptions, and applicable requirements of Table IWD-2500-1.
- D. The examination of Class 3 equivalent component supports is in accordance with section 7.3.4.

7.3.4 Component Supports Subject to Examination (IWF), Code Case N-491

- A. ASME Class 1, 2 and 3 equivalent component and piping supports shall be examined in accordance with the alternate rules of Code Case N-491.
- B. The specific components subject to examination are identified on ISI drawings listed in Section 2.5. The number of supports within each system, the number selected for examination during the interval and the number selected for examination by period are provided in Section 8.1 Examination Schedule, Part 4 - Component Supports (IWF, Code Case N-491).
- C. Selection and scheduling of component supports is in accordance with (N-491) Table -2410-2, Inspection Program B, (N-491) -1200 exemptions, and applicable requirements of (N-491) Table -2500-1.
- D. The acceptance range for constant force and variable springs shall be in accordance with the support drawing. If the setting range is not identified on the drawing the applicable general notes contained in the 47B435-series of drawings shall be utilized in accordance with N-VT-1 and N-GP-7.

7.3.5 Successive Examinations, Class 1, 2, or N-491

Successive examinations shall be performed in accordance with the requirements of IWB-, IWC-, and (N-491) paragraph -2420.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.4 Calibration Standards

Calibration standards are included in ASME Section XI, Appendix I. This appendix includes references to ASME Section XI, Appendix III and ASME Section V for additional requirements. As-built calibration standard drawings and calibration standard material certifications are maintained by ISI. The calibration blocks are stored at the plant site and maintained by ISI personnel.

7.5 Records and Reports

Records and reports shall be prepared in accordance with ASME Section XI, Subarticle IWA-1400, Article IWA-6000, and Code Case N-532 (Request for Relief 3-ISI-6).

7.5.1 Owner's Activity Report (OAR)

The OAR shall include the information required by Code Case N-532. The OAR(s) shall be forwarded to site licensing on a schedule which permits submittal to the NRC following completion of the inservice inspection period.

7.5.2 Site Final Report

A site final report shall be prepared and submitted to Records Management following each refueling outage. The site final report shall contain:

- An index to record file
- The inservice and preservice NDE examination reports
- The OAR
- Personnel certifications
- reference to NDE procedures
- reference to NDE examination records including radiographs and review forms

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.5.3 Radiographs

Radiographs shall be packaged by ISO and transmitted to RM for storage as a life of plant record.

7.6 Requests for Relief (RFR)

Impractical code requirements or examinations shall be submitted to NRC as written relief requests in accordance with 10CFR50.55a(g)(5). Proposed alternate examinations and information to support the basis and justification for relief shall be included. Relief requests are identified in Section 8.5 of this program and listed in Section 8.1 next to the applicable examination category.

ISO is responsible for notifying M/N Engineering of impractical examination requirements and limitations that are encountered during performance of examinations.

M & I will be provided an opportunity to review RFRs.

7.7 Repairs and Replacements

ASME Section XI repair and replacement activities are performed in accordance with SSP-6.9. Preservice examinations required for repaired/replaced components are in accordance with the code of record specified in this surveillance instruction. The examination categories and NDE method for preservice examinations may be determined from those listed in Section 8.1.

7.8 System Pressure Tests

The system pressure test program is identified in SSP-8.5.

7.9 Pump and Valve Inservice Testing

The pump and valve inservice testing program is identified in SSP-8.6.

7.10 Snubber Inservice Testing

Snubber inservice examination and testing is in accordance with 2-SI-4.6.H.1 as provided in Request for Relief 3-ISI-2.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)7.11 Augmented Examinations

Augmented examinations are performed in addition to ASME Section XI Code requirements. The augmented examinations may be required by the NRC or be self-imposed by TVA. Typical sources include generic letters, IE Bulletins, technical specifications, vendor recommendations, and industry experience.

The responsible organization or owner shall have technical and administrative responsibility for each augmented examination identified in this section. This responsibility shall include scheduling any examinations through M/N Engineering, tracking the status of examinations, and reporting completed examinations. Responsible organizations requesting inclusion of augmented examinations in this section shall submit a written request to the Lead M/N Engineer. The written request shall include specific details such as requirement source, identification of components requiring examination, examination frequency, examination method, examination area/volume, acceptance criteria, types of flaws anticipated, areas of high suspect, probability of failure, and reporting requirements. Copies of the written request shall be submitted to ISO and M/N Engineering to facilitate nondestructive examination procedure preparation, establishment of training programs, and personnel familiarization.

Prior to each refueling outage, a meeting shall be initiated by the M/N Engineering. Meeting attendees shall include the responsible organizations, M/N Engineering, and ISO. The meeting agenda should include examination plans and schedules, updates on industry experience, and any additional pertinent information.

Following the completion of the augmented examination, M/N Engineering shall report to the responsible organization items such as examination results and changes in results from previous examinations. The responsible organization shall determine if a meeting with the M/N Engineering and/or other appropriate organizations is necessary to discuss items such as additional examinations to be conducted during the current outage, trends, lessons learned, and identify any future actions such as changes in the frequency of examination.

SIL's and clarification letters listed in this Augmented Examination Section provide GE's recommendation for reactor internals inspection. The actual scope and criteria for reactor internals inspections will be reviewed and approved by TVA Site Engineering prior to each refueling outage. Any indications found during inspections will receive a review and will be dispositioned by TVA Site Engineering.

The responsible organization shall report augmented examination results to the NRC as required by the document initiating the examination.

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.1 Feedwater Nozzles

Responsible organization: Site Engineering. The augmented examination requirements for the feedwater nozzles is contained in NUREG-0619. An ultrasonic examination of the feedwater nozzle safe ends, bores, and inside blend radii are required every second refueling outage. The feedwater spargers shall be visually examined every fourth refueling outage (MSI-0-001-INS001). A liquid penetrant examination of the nozzle bore and inner radius is required every nine refueling cycles or within 135 startup/shutdown cycles based on the replacement date. The double piston ring, triple thermal sleeve spargers were installed during the Unit 3 cycle 2 outage.

Reporting is required within 6 months after the outage when an inspection was performed unless a special report is deemed necessary by Site Engineering. Refer to NUREG-0619, Section 4.4.3 for information to be included.

Examination Requirement Source: B01-02.

7.11.2 CRD Return Line Reroute

Responsible organization: Site Engineering. The augmented examination requirements of the CRD return line reroute are included in NUREG-0619.

The welded connections joining the rerouted CRD return line to the reactor water cleanup system shall be ultrasonically examined for three consecutive refueling outages. Weld RCRD-3-45 shall be ultrasonically examined, including the base metal on each side within one wall thickness (nominal wall .531"). The pipe into which the CRD return flow is connected shall also be examined by ultrasonic methods to a distance of at least one pipe diameter downstream of the welded connection. Welds RCRDS-3-3 and RCRD-3-44 shall be ultrasonically examined along with the pipe on the downstream side. The refueling cycles for each unit to be examined are: Cycle 4, Cycle 5, and Cycle 7.

Reporting is required within 6 months of completing an outage during which an inspection was performed. Refer to NUREG-0619, Section 8.3 for information to be included.

Examination Requirement Source: B01-02

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.3 Augmented Examination of Austenitic Stainless Steel and Dissimilar Metal Welds Susceptible to IGSCC (Generic Letter 88-01 and NUREG 0313, Revision 2)

Responsible organization: Project Management. Austenitic stainless steel and dissimilar metal circumferential welds in piping four inches or larger in nominal pipe diameter which contain reactor coolant at a temperature above 200 degrees F during power operation shall be examined in accordance with the requirements of Generic Letter 88-01 and NUREG-0313, Revision 2. Sample expansion shall be in accordance with Generic letter 88-01 based on the IGSCC Category (A, B, C, or E) as defined in the generic letter. The welds requiring examination per this paragraph are listed in Section 8.3 by IGSCC category.

In addition to the requirements for procedure and personnel qualification in Section 7.2.3, the examination procedures and personnel used for IGSCC examinations shall meet the requirements of Generic Letter 88-01.

The IGSCC category and corresponding examination frequency are listed below:

IGSCCCATEGORY EXAMINATION EXTENT AND SCHEDULE

A	25 percent every 10 years (at least 12 percent in 6 years).
B	50 percent every 10 years after initial post-stress improvement (SI) examination (at least 25 percent in 6 years).
C	100 percent within next 2 refueling cycles after initial post-SI examination (at least 50 percent in 6 years and 100 percent in 10 years).
D	100 percent every 2 refueling cycles.
E	50 percent next refueling cycle after crack discovery and/or overlay. 100 percent every 2 refueling cycles thereafter.
F	100 percent every refueling outage
G	100 percent during current outage

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

Any flaws identified that do not meet the IWB-3500 criteria for continued operation without evaluation, or a change found in the condition of the welds previously known to be cracked, shall be reported to the NRC under the guidelines of NUREG-0313, Rev. 2.

Examination Requirement Source: B02-02

7.11.4 Reactor Vessel Interior Examinations

Responsible organization: Site Engineering. In addition to the code required ISI examinations in Section 7.3.1, the following augmented examinations shall be performed at the frequency specified.

Examination results shall be included in the augmented summary report (notification of unsatisfactory results may impose additional reporting requirements as denoted by the source requirement).

7.11.4.1 Core Spray Piping and Spargers

The augmented examination requirements of the core spray piping and spargers is included in MSI-0-001-INS001, which implements IE Bulletin 80-13. The creviced areas of the core spray piping welds inside the RPV shall be visually examined utilizing enhanced methods and/or ultrasonically examined in accordance with the recommendations of SIL-289. These examinations are required each refueling outage. Volumetric techniques may be used to evaluate any indications. The reporting criteria is listed in MSI-0-001-INS001. If cracks are detected, the NRC onsite inspector and the regional office shall be notified within 24 hours.

Examination Requirement Source: B03-02

7.11.4.2 Unit-3 Core Spray Sparger Indications

During the visual inspection of the core spray spargers (reference IE Bulletin 80-13) perform visual inspection of the indications documented in NOI-C5B-057 and NOI-C5B-056 as described below. These indications were found during the Unit-3 In-Vessel Visual Inspection (IVVI) conducted during the cycle-5B outage.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

- Visually examine the arc strike indication and associated linear indications on the loop "A" header pipe located at the left side of the 120 degree azimuth T-Box (Reference NOI-C5B-056).
- Visually examine the 3.5 inch to 4 inch linear indication on the loop "B" header pipe at the left side of the 240 degree azimuth T-Box (Reference NOI-C5B-057).
- Visually examine the 3 inch to 4 inch linear indication in the base metal of the lower core spray downcomer elbow at the 350 degree azimuth shroud penetration (Reference NOI-C5B-057).
- Visually examine the 1 inch linear indication above 3 to 4 inch indication in the base metal of the lower core spray downcomer elbow at the 350 degree azimuth shroud penetration (Reference NOI-C5B-057).

The implementation interval for these inspections shall start during the cycle-7 refueling outage. Inspection of the indications shall also be performed during the cycle-8 refueling outage. The inspection results from cycle-7 and cycle-8 shall be compared to the examination performed during the cycle-5B outage. Any changes in the indications shall receive an engineering review. Changes in the indications may require additional inspections as dictated by engineering disposition.

Examination Requirement Source: B03-02

7.11.4.3 Core Spray T-Box Welds SIL-289

Perform visual inspection of each Core Spray T-Box front cover plate weld and the Core Spray T-Box to thermal sleeve weld joint to the recommendations of SIL-289. Per SIL-289 the inspections should be performed in conjunction with NRC IE Bulletin 80-13 inspections of each core spray sparger which are performed each outage.

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

The implementation interval for the Core Spray T-Box inspection recommended by SIL-289 started in the Unit-3 cycle-5B outage. Each core spray T-Box shall be reinspected during each subsequent refueling outage following the cycle-5B outage.

Examination Requirement Source: B06-02

7.11.4.4 Core Support Shroud SIL-572

Perform inspection of the Core Support Shroud to the recommendations of SIL-572. This consists of performing visual or UT inspection of the accessible weld areas of the shroud.

The implementation interval for the Unit-3 shroud inspection recommended in SIL-572 shall start with the Unit-3 cycle-5B refueling outage. If no indications are found the shroud shall be inspected every second refueling following cycle-5B. If indications are found the shroud should be inspected each following refueling outage or as directed by an engineering analysis of the indications.

Examination Requirement Source: B06-02

7.11.4.5 Shroud Support Access Hole Covers SIL-462

Inspect the shroud support access hole covers per the recommendations in SIL-462. This consists of performing ultrasonic examination of the access cover weld areas. Previous inspections of the Unit-3 covers during cycle-5B respectively did not reveal indications.

The implementation interval for the Unit-3 access hole cover inspection recommended in SIL-462 started in the Unit-3 cycle-5B refueling outage. Based on current operation (16 to 18 month fuel cycles) the access hole covers shall be inspected every second refueling outage following cycle-5B. If 2 year operating cycles are utilized the covers shall be inspected each refueling outage.

Examination Requirement Source: B06-02

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.4.6 Jet Pump Beams SIL-330

Perform inspection of the jet pump beams per the recommendations in SIL-330. SIL-330 recommends that beams with a modified heat treatment be inspected per NUREG CR-3052. NUREG CR-3052 requires ultrasonic examination of beams manufactured with a modified heat treatment at 10 year intervals. The Unit-3 beams were replaced with beams manufactured from a modified heat treatment material during the cycle-5B outage. The unit-3 jet pump hold-down beams shall be inspected once during the second 10 year inspection interval.

Examination Requirement Source: B06-02

7.11.4.7 Jet Pump Sensing Lines SIL-420

Perform visual inspection of the Jet Pump Sensing Lines when convenient per the recommendations of SIL-420. The recommendation is to inspect the instrument lines when equipment is available and when inspections are being performed in the general area of the instrument lines.

The inspection interval for the Unit-3 Jet Pump Sensing Lines started during the cycle-5B outage. The sensing lines shall be inspected during each refueling outage when equipment is available and when other adjacent area inspections are performed.

Examination Requirement Source: B06-02

7.11.4.8 Jet Pump Throats SIL-465

Perform visual inspection of the Jet Pump Throats per the recommendations of SIL-465.

The inspection interval for Unit-3 Jet Pump Throats will be determined by engineering review of jet pump flow data. Per SIL-465 if engineering review of jet pump flow data indicates a degraded flow performance condition, the throats of at least 2 jet pumps throats should be inspected during the next refueling outage.

Examination Requirement Source: B06-02

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.4.9 Jet Pump Riser Braces SIL-551

Perform visual inspection of the Jet Pump Riser Braces per the recommendations in SIL-551. This consists of visually inspecting 50% of the riser brace welds during each refueling outage.

The implementation interval for the Unit-3 Jet Pump Riser Brace inspection recommended in SIL-551 started with the Unit-3 cycle-5B refueling outage. Riser Braces on Jet Pump numbers 1 through 10 shall be inspected during the cycle-7 refueling outage, and then repeated at every second refueling outage following cycle-7. Riser Braces on Jet Pump numbers 11 through 20 shall be inspected during the cycle-8 refueling outage and then repeated during every second refueling outage following cycle-8.

Examination Requirement Source: B06-02

7.11.4.10 Unit-3 Jet Pump Riser Brace Clamp

Perform a visual inspection of the Unit-3 Jet Pump Riser Brace Clamp installed during the Unit-3 cycle-5B outage per the recommendations in GE letter no. BFSE 93-143. The clamp is located on Jet Pump Assemblies No. 5 and No. 6. Inspection shall consist of performing a visual (VT-3) verification that the clamp tack welds are intact and that there is no evidence of clamp degradation or movement.

The implementation interval for inspection of the clamp will start at the cycle-7 refueling outage. Inspection of the clamp shall be performed during the cycle-7 refueling outage and then at every other refueling outage following cycle-7.

Examination Requirement Source: B06-02

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.4.11 Jet Pump Adjusting Screws SIL-574

Perform visual inspection of the Jet Pump Adjusting Screws per the recommendation of SIL-574. This consists of inspecting the adjusting screws on each Jet Pump during each refueling outage. If indications are found in the jet pump restrainer set screw tack welds, then the jet pump restrainer bracket set screw gaps will be visually inspected per the recommendation of RICSIL # 078. If no indications are found, implementation of RICSIL-078 is optional. The Adjusting Screws were inspected as part of the Jet Pump inspections conducted on Unit-3 during cycle-5B outage. No indications were noted during these inspections.

The implementation interval for the Unit-3 Jet Pump Adjusting Screws inspection started during the Unit-3 cycle-5B outage. Inspection of the adjusting screws shall be conducted during each subsequent refueling outage following cycle-5B.

Examination Requirement Source: B06-02

7.11.4.12 Top Guide SIL-554

Perform visual inspection of the Top Guide per the recommendations of SIL-554. This consists of inspecting the Top Guide when fuel and blade guides have been removed as part of refueling operations. GE Letter Nos. BFSE 94-001 & BFSE 94-002 indicates that based on fluence levels top guide inspection should be performed. Portions the Unit-3 Top Guide were inspected during cycle-5B and no indications were detected.

The implementation interval for the Top Guide inspection started with the Unit-3 cycle-5B outage. Inspection shall be performed during subsequent refueling outages following cycle 5B as conditions allow (i.e., fuel and blade guides are removed as part of refueling operations). Per the GE letter, inspection of 5 to 10 percent of the top guide cell areas each outage is adequate as allowed for by refueling operations.

Examination Requirement Source: B06-02

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.4.13 IRM/SRM Dry Tubes SIL-409

Perform visual inspection the IRM/SRM Dry Tubes per the recommendations in SIL-409. The recommendations are to inspect the original design dry tubes following the fourth refueling outage after installation and then at every subsequent second refueling outage. Modified design tubes should be inspected the 6th refueling outage after installation and then at every third refueling outage. The Unit-3 dry tubes were replaced with modified design dry tubes during the cycle-5B outage.

The implementation interval for the Unit-3 Dry Tube inspection recommended in SIL-409 shall start with the Unit-3 cycle-5B outage. The new modified design dry tubes installed during the cycle-5B outage shall be inspected during the cycle-11 refueling outage and then at every third refueling outage following cycle-11. Any new tubes installed during future refueling outages shall be inspected at the frequency prescribed in SIL-409.

Examination Requirement Source: B06-02

7.11.4.14 Steam Dryer Drain Channel Welds

Steam dryer drain channel welds which have received weld buildup shall be inspected to the requirements provided in GE letter no. BFSE 94-002 dated 1/18/94. All Unit-3 steam dryer drain channel welds were repaired and mitigated by weld buildup during the cycle-5B outage.

The implementation interval for the drain channel inspection started in the Unit-3 cycle-5B outage. One drain channel weld shall be inspected every second outage following the cycle-5B repair and mitigation. Previously cracked welds should be inspected first in the inspection sequence.

Examination Requirement Source: B06-02

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.4.15 Instrument Nozzle Safe Ends SIL-571

Perform UT and visual inspection of the six stainless steel level instrumentation nozzle safe ends and stainless steel core differential pressure/standby liquid control (SLC) nozzle safe end per the recommendations of SIL-571.

The recommendations are to perform a visual leak check of the safe ends during the drywell leak check effort performed each outage. Insulation removal is not necessary to perform the leak check. A UT inspection of the accessible areas of all the safe end base material shall be performed. Per GE letter no. BFSE 94-005 these stainless steel safe ends should be ultrasonically examined following 15 years of hot operation time and then at a frequency of once every second 24 month fuel cycle or once every third 18 month fuel cycle as applicable.

The implementation interval shall start with the cycle-5B refueling outage. Leakage inspections shall be performed as described during the cycle-5B outage and during each subsequent refueling outage. Based on current 16-18 month refueling cycles UT inspection shall be performed during the cycle-10 refueling outage and then repeated at every third refueling following the cycle-10 outage. If 24 month refueling cycles are utilized inspection shall be performed during the cycle-10 refueling outage and then at every second refueling cycle following cycle-10.

Examination Requirement Source: B06-02

7.11.4.16 Top Guide and Core Plate Bolting Examination - SIL 588

The top guide and core plate bolting should be VT-3 examined during the Unit 3, cycle 7 outage (TROI item GE SIL 588, seq. 04) in accordance with SIL 588. The top guide examination includes the accessible areas of the members which provide the load path between the top guide and the shroud. The core plate bolt inspection should assure that their locking devices are in place for the bolts that become accessible during normal refueling activities.

Examination Requirement Source: B06-02

7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

7.11.5 Core-Spray and Recirc Inlet Safe Ends

Responsible organization: Site Engineering. Perform UT inspection of the Core Spray and Recirc Inlet Safe Ends per the recommendation of GE Letter No. BFSE 94-007. The Core Spray and Recirculation Inlet safe ends were replaced with IGSCC resistant material, and in the case of the Recirculation inlet safe ends an improved design was used which eliminated crevices. These changes in materials and design mitigate the possibility of future Inter Granular Stress Corrosion Cracking (IGSCC). Per guidance provided in NRC Generic Letter 88-01 (NUREG 0313 Rev-2) and the recommendation of GE Letter No. BFSE 94-007 these safe ends shall be inspected at the frequency established for Category "A" weldments.

The accessible areas of the safe end base material which has exposure to the annulus/crevice area created by the thermal sleeve shall be inspected with UT. This inspection should be conducted in conjunction with the augmented UT inspection of the safe end to nozzle weld. Techniques previously used to inspect for safe end (IGSCC) cracking should be utilized as practical in the inspection effort to detect internal diameter (ID) initiated IGSCC indications.

The implementation interval started with the Unit-3 cycle-5B outage. The described safe end base material shall be inspected at the same interval as Category "A" weldments. Ideally the inspection should be performed in conjunction with the safe end to nozzle welds which are examined under the current augmented IGSCC examination plan. The report of these examinations shall be included in the augmented summary report unless a special report is deemed necessary by Site Engineering.

Examination Requirement Source: B07-02

7.11.6 Weld Inspection For Pipe Whip Protection

Responsible organization: Site Engineering. Additional ultrasonic examinations shall be performed each inspection interval on selected circumferential pipe welds to provide additional protection against pipe whip in accordance with Technical Specification Surveillance Requirement 4.6.G. The welds requiring examination each interval for pipe whip protection are listed below:

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7.0 INSTRUCTION STEPS/ELEMENTS (cont.)

GMS-3-32, GMS-3-15, GMS-3-24, GMS-3-6, KMS-3-104, KMS-3-24, KFW-3-39, GFW-3-15, KFW-3-38, GFW-3-9, GFW-3-12, KFW-3-13, GFW-3-26, KFW-3-31, GFW-3-29, GFW-3-32, DSRHR-3-4, DSRHR-3-6, DSRHR-3-7, TSCS-3-407, TSCS-3-408, TSCS-3-423, TSCS-3-424, RWCU 3-001-G019, RWCU-3-001-G018, RWCU-3-001-G017, RWCU-3-001-G016, THPCI-72, THPCI-70, THPCI-71, and THPCI-70A.

A report of these examinations shall be included with the augmented summary report.

Examination Requirement Source: B04-02

SECTION 8.0
TABLES/ATTACHMENTS



Section 8.1 - Examination Schedule - Class 1 Equivalent (IWB) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
B-F	B5.30	N/A								
B-F	B5.130	N/A								Refer to Category B-J Refer to Category B-J
B-F	B5.140	N/A								
B-F	B5.150	N/A								
B-G-1	B6.10	92	RPV	92	30	30	32	ISI-0267-C	ST	
B-G-1	B6.20	92	RPV	92	30	30	32	ISI-0267-C	UT	
B-G-1	B6.30	4	RPV	4	-	4	-	ISI-0267-C	UT/ST	RPV studs when removed
B-G-1	B6.40	92	RPV	92	30	30	32	ISI-0267-C	UT	
B-G-1	B6.50	92	RPV	92	30	30	32	ISI-0267-C	VT-1	Washers & bushings
B-G-1	B6.150	N/A								
B-G-1	B6.180	32	RECIR	16	-	-	16	ISI-0413-C	UT	Pump selected for B-L-2 exam
B-G-1	B6.190	2	RECIR	2	When Disassembled			ISI-0413-C	VT-1	Flange surface
B-G-1	B6.200	32	RECIR	16	-	-	16	ISI-0413-C	VT-1	Pump selected for B-L-2 exam; nuts & washers
B-G-1	B6.210	N/A								
B-G-2	B7.10	N/A								

Section 8.1 - Examination Schedule - Class 1 Equivalent (IWB) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
B-G-2	B7.50	30		30	7	11	12		VT-1	
			MS/25	25	7	9	9	ISI-0313-B		
			RECIR/2	2	-	1	1	ISI-0328-C		
			RPV/3	3	-	1	2	ISI-0295-A		
B-G-2	B7.60	N/A								
B-G-2	B7.70	35		35	7	17	11		VT-1	
			CS/4	4	1	2	1	ISI-0331-C		
			FW/4	4	-	1	3	ISI-0327-C		
			MS/21	21	5	11	5	ISI-0313-B		also ISI-0329-C
			RECIR/4	4	-	2	2	ISI-0328-C		
			RHR/2	3	1	1	-	ISI-0330-C		
B-G-2	B7.80	185	CRD	N/A				ISI-0293-C	VT-1	See relief request 3-ISI-5
B-H	B8.10	2	RPV	2	-	1	1	ISI-0416-C	ST or UT	(as applicable)
B-J	B9.11	400		103	32	35	36		ST & UT	See Section 7.3.1.E
			CS/31	10	3	3	4	ISI-0331-C		
			FW/83	16	5	5	6	ISI-0327-C		See Note 2
			HPCI/20	5	1	2	2	ISI-0333-C		
			MS/120	28	10	9	9	ISI-0329-C		See Note 2
			RCIC/4	1	-	1	-	ISI-0332-C		
			RECIR/64	16	5	5	6	ISI-0328-C		
			RHR/37	9	3	4	2	ISI-0330-C		
			RPV/13	11	3	3	5	ISI-0327-C, ISI-0329-C & ISI-0295-A		
			RWCU/28	7	2	3	2	ISI-0332-C & ISI-0333-C		



Section 8.1 - Examination Schedule - Class 1 Equivalent (IWB) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
B-J	B9.12	See remarks								See relief request 3-ISI-3
B-J	B9.21	N/A								See Section 7.3.1.C
B-J	B9.22	N/A								See Section 7.3.1.C
B-J	B9.31	35		9	3	3	3		ST&UT	See Section 7.3.1.E
			MS/26	6	2	2	2	ISI-0329-C		
			RECIR/7	2	-	1	1	ISI-0328-C		
			RHR/1	1	1	-	-	ISI-0330-C		
			RWCU/1	-	-	-	-	ISI-0333-C		
B-J	B9.32	N/A								See Section 7.3.1.C
B-J	B9.40	N/A								See Section 7.3.1.C
B-K-1	B10.10	49		49	15	15	19		ST	See relief request 3-ISI-4
			CS/6	6	3	1	2	ISI-0339-C		
			FW/9	9	2	4	3	ISI-0336-C		
			MS/15	15	5	5	5	ISI-0338-C		
			RECIR/13	13	4	2	7	ISI-0337-C		
			RHR/5	5	1	2	2	ISI-0340-C		
			RWCU/1	1	-	1	-	ISI-0334-C		
B-K-1	B10.20	6	RECIR	6	-	3	3	ISI-0337-C	PT	
B-K-1	B10.30	2	FW	2	1	1	-	ISI-0336-C	ST	
B-L-1	B12.10	N/A								

Section 8.1 - Examination Schedule - Class 1 Equivalent (IWB) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
B-L-2	B12.20	2	RECIR	1	*	*	*	ISI-0413-C	VT-3	EXAMINE WHEN DISASSEMBLED
B-M-1	B12.30	N/A								
B-M-1	B12.40	N/A								
B-M-2	B12.50	20 (groups)		20					VT-3	EXAMINE WHEN DISASSEMBLED
			CS/3	3	*	*	*	ISI-0331-C		
			FW/2	2	*	*	*	ISI-0327-C		
			HPCI/2	2	*	*	*	ISI-0333-C		
			MS/2	2	*	*	*	ISI-0329-C		
			RCIC/1	1	*	*	*	ISI-0332-C		
			RECIR/2	2	*	*	*	ISI-0328-C		
			RHR/6	6	*	*	*	ISI-0330-C		
			RWCU/2	2	*	*	*	ISI-0332-C		
B-N-1	B13.10	1	RPV	1	1	1	1	ISI-0220-C	VT-3	RPV Interior
B-N-2	B13.20	1	RPV	1	-	-	1	ISI-0220-C	VT-1	RPV beltline attachments
B-N-2	B13.30	1	RPV	1	-	-	1	ISI-0220-C	VT-1	RPV beyond beltline attachments
B-N-2	B13.40	1	RPV	1	-	-	1	ISI-0220-C	VT-1	Core support structure
B-O	B14.10	40	RPV	4	-	-	4	ISI-0293-C	PT	CRD housing weld
B-P	As applicable		Refer to system pressure test program SSP-8.5						VT-2	Pressure Test Prog.

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
C-A	C1.10	12	RHR	3	1	1	1	ISI-0422-C	UT	RHR HT EXCH
C-A	C1.20	4	RHR	1	-	-	1	ISI-0422-C	UT	RHR HT EXCH
C-A	C1.30	N/A								
C-B	C2.10	N/A								
C-B	C2.20	N/A								
C-B	C2.31	16	RHR	4	-	2	2	ISI-0422-C	ST	RHR HT EXCH
C-B	C2.32	N/A								
C-B	C2.33	8	RHR	2	2	2	2	ISI-0422-C	VT-2	Nozzle telltale
C-C	C3.10	12	RHR	3	-	-	3	ISI-0422-C	ST	
C-C	C3.20	53		53	17	17	19			
		CRD/3		3	-	3	-			
		CS/4		4	-	-	4			
		HPCI/3		3	-	-	3			
		MS/11		11	7	3	1			
		RHR/32		32	10	11	11			
C-C	C3.30	4	RHR	N/A				ISI-0311-B		Pump IAs $\geq 3/4$ " on pumps w/casing wlds

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
C-C	C3.40	N/A								None
C-D	N/A	N/A								None
C-F-1	C5.11	13		13	4	4	5		PT&UT	Dissim metal & SS
			CS/6	6	2	4	-	ISI-0102-C		cir welds >4" &
			HPCI/4	5	-	-	5	CHM-2407-C		≥ 3/8" nom wall
			RHR/2	2	2	-	-	ISI-0393-C		
C-F-1	C5.12									Refer to relief request
C-F-1	C5.20	N/A								3-ISI-3
C-F-1	C5.30	N/A								BWR Plant
C-F-1	C5.40	N/A								BWR Plant
C-F-2	N/A	122	N/A						N/A	< 3/8" nom wall
			CS/20					ISI-0102-C		excluded
			RBCCW/16					ISI-0033-C		
			RCIC/21					CHM-2408-C		
			RHR/65					ISI-0393-C		



Section 8.1 - Examination Schedule - Class 2 Equivalent (IWC) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
C-F-2	C5.51	896 (1018)		79	26	26	27		MT&UT	CS circ welds >4" & $\geq 3/8$ " nom wall
			CRD/70	6	2	2	2	ISI-0143-C		
			CS/142	13	4	4	5	ISI-0102-C		
			HPCI/137	11	3	4	4	CHM-2407-C		
			MS/111	9	3	3	3	ISI-0354-C		
			RCIC/43	5	1	2	2	CHM-2408-C		
			RHR/393	35	13	11	11	ISI-0393-C		
C-F-2	C5.52	See remarks								See relief request 3-ISI-3
C-F-2	C5.60	N/A	N/A							BWR Plant
C-F-2	C5.70	N/A	N/A							BWR Plant
C-F-2	C5.81	3		1	1	-	-		MT	
			MS/1	1	1	-	-	ISI-0354-C		
			RHR/2	-	-	-	-	ISI-0393-C		
C-F-2	C5.82	See remarks								See relief request 3-ISI-3
C-G	C6.10	N/A		N/A						
C-G	C6.20	N/A		N/A						
C-H	ALL		ALL	refer to system pressure test program SSP-8.5					VT-2	Pressure Test Prog.

Section 8.1 - Examination Schedule - Class 3 Equivalent (IWD) Components

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
D-A		N/A		N/A						
D-B	D2.10	-	ALL	refer to system pressure test program SSP-8.5					VT-2	Pressure Test Prog.
D-B	D2.20	47		47	8	16	23		VT-3	
			EECW/23	23	-	-	23	ISI-0390-C		
			RHRWS/24	24	8	16	-	CHM-2416-C		
D-B	D2.30	N/A								None in item number
D-B	D2.40	8	RHRWS/8	8	8	-	-		VT-3	
D-C	D3.10	-	ALL	refer to system pressure test program SSP-8.5					VT-2	Pressure Test Prog.
D-C	D3.20	1	FPC	1	1	-	-			
D-C	D3.30	N/A		N/A						
D-C	D3.40	N/A		N/A						
D-C	D3.50	N/A		N/A						
D-C	D3.60	N/A		N/A						

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
F-A	F1.10	141		38	10	12	16		VT-3	
F-A	F1.10A	4		1	-	-	1		VT-3	
			MS/2	1	-	-	1	ISI-0338-C		
			RWCU/2	-	-	-	-	ISI-0334-C		
F-A	F1.10B	20		6	1	-	5		VT-3	
			CS/2	1	-	-	1	ISI-0339-C		
			FW/6	1	1	-	-	ISI-0336-C		
			HPCI/1	1	-	-	1	ISI-0335-C		
			MS/8	2	-	-	2	ISI-0338-C		
			RHR/2	1	-	-	1	ISI-0340-C		
			RWCU/1	-	-	-	-	ISI-0334-C		
F-A	F1.10C	54		15	7	6	2		VT-3	
			CS/6	1	-	1	-	ISI-0339-C		
			FW/10	3	3	-	-	ISI-0336-C		
			HPCI/2	1	-	1	-	ISI-0335-C		
			MS/16	4	4	-	-	ISI-0338-C		
			RECIR/11	3	-	1	2	ISI-0337-C		
			RHR/7	2	-	2	-	ISI-0340-C		
			RWCU/2	1	-	1	-	ISI-0334-C		



Section 8.1 - Examination Schedule - Component Supports (IWF, Code Case N-491)

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
F-A	F1.10D	63		16	2	6	8		VT-3	
			CS/4	1	-	-	1	ISI-0339-C		
			FW/19	6	-	6	-	ISI-0336-C		
			HPCI/1	-	-	-	-	ISI-0335-C		
			MS/19	4	2	-	2	ISI-0338-C		
			RECIR/11	3	-	-	3	ISI-0337-C		
			RHR/6	1	-	-	1	ISI-0340-C		
			RWCU/3	1	-	-	1	ISI-0334-C		
F-A	F1.20	353		56	16	18	22		VT-3	
F-A	F1.20A	124		20	5	10	5		VT-3	
			CRD/13	2	-	2	-	ISI-0144-C		
			CS/18	3	-	3	-	ISI-0104-C		
			HPCI/16	3	-	-	3	CHM-2413-C		
			RBCCW/3	1	-	-	1	ISI-0034-C		
			RCIC/9	1	-	-	1	CHM-2412-C		
			RHR/65	10	5	5	-	ISI-0395-C		
F-A	F1.20B	87		14	-	8	6		VT-3	
			CRD/34	6	-	6	-	ISI-0144-C		
			CS/8	1	-	1	-	ISI-0104-C		
			HPCI/13	2	-	-	2	CHM-2413-C		
			MS/4	1	-	1	-	ISI-0355-C		
			RBCCW/1	-	-	-	-	ISI-0034-C		
			RCIC/4	1	-	-	1	CHM-2412-C		
			RHR/23	3	-	-	3	ISI-0395-C		

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
F-A	F1.20C	119		19	11	-	8		VT-3	
			CS/14	2	-	-	2	ISI-0104-C		
			HPCI/19	3	-	-	3	CHM-2413-C		
			MS/33	5	5	-	-	ISI-0355-C		
			RCIC/5	1	-	-	1	CHM-2412-C		
			RHR/48	8	6	-	2	ISI-0395-C		
F-A	F1.20D	23		3	-	-	3		VT-3	
			HPCI/3	-	-	-	-	CHM-2413-C		
			RCIC/2	-	-	-	-	CHM-2412-C		
			RHR/18	3	-	-	3	ISI-0395-C		
F-A	F1.30	152		18	10	8	-		VT-3	
F-A	F1.30A	47		6	4	2	-		VT-3	
			EECW/16	2	-	2	-	ISI-0390-C		
			RHRSW/31	4	4	-	-	CHM-2416-C		
F-A	F1.30B	97		11	5	6	-		VT-3	
			EECW/57	6	-	6	-	ISI-0390-C		
			FPC/3	1	1	-	-	CHM-2429-C		
			RHRSW/37	4	4	-	-	CHM-2416-C		
F-A	F1.30C	8		1	1	-	-	CHM-2416-C	VT-3	
F-A	F1.30D	-	N/A	-	-	-	-			

Examination Category	Item Number	Number of Components	System/ Subtotal	Second Inspection Interval Sample	First Period Sample	Second Period Sample	Third Period Sample	ISI Drawing	Exam Method	Remarks
F-A	F1.40	48		22	7	7	8		VT-3	
F-A	F1.40A	N/A	N/A							NONE
F-A	F1.40B	24		9	-	4	5		VT-3	
			CS/4	1	-	-	1	ISI-0104-C		
			HPCI/2	2	-	-	2	CHM-2413-C		
			RCIC/1	1	-	-	1	CHM-2412-C		
			RHR/16	4	-	3	1	ISI-0311-B		
			RPV/1	1	-	1	-	ISI-0416-C		
F-A	F1.40C	11		6	3	2	1		VT-3	
			FW/2	1	-	1	-	ISI-0336-C		
			RECIR/8	4	3	1	-	ISI-0337-C		
			RPV/1	1	-	-	1	ISI-0416-C		
F-A	F1.40D	13		7	4	1	2		VT-3	
			RCIC/1	1	-	-	1	CHM-2412-C		
			RECIR/12	6	4	1	1	ISI-0337-C		

Section 8.1

Note:

1. The accessible length of the RPV circumferential and meridional head welds will be ultrasonically examined in accordance with the extent and frequency of examination in Table IWB-2500-1, Examination Category B-A, Item Numbers B1.21 and B1.22. The two bottom head circumferential welds (C-S-LH and C-S-BH) and ten bottom head meridional welds (V-BH-1 through V-BH-10) are inaccessible because of their location in the bottom head and proximity to the CRD and in-core instrumentation housings. These welds will not be scheduled for examination since they are inaccessible. The accessible portions of the seven top head circumferential and meridional welds will be ultrasonically examined.
2. The Feedwater and Main Steam system percentages are maintained by examination of nozzle to safe-end (transition piece) welds under the RPV system.

SECTION 8.2 - AUGMENTED EXAMINATION TABLE

Augmented Examination Category	Ref. Program Section	Number of Components	Exam Reqmt Source Code	Refueling Cycle 7 Sample	Refueling Cycle 8 Sample	Refueling Cycle 9 Sample	Refueling Cycle 10 Sample	Refueling Cycle 11 Sample	Refueling Cycle 12 Sample	Exams Required	Remarks
N/A	7.11.1	6	B01-02	-	6	-	6	-	6	UT	FW Nzl, bore, SE
N/A	7.11.1	6	B01-02	-	-	-	6	-	-	VT-1	FW spargers
N/A	7.11.1	6	B01-02	-	-	-	-	6	-	PT	FW nzl bore & IR
N/A	7.11.2	4	B01-02	4	-	-	-	-	-	UT	CRD welds/BM
A	7.11.3	67	B02-02	8 (12%) in 6 years -- 17 (25%) in 10 years						UT	IGSCC
C	7.11.3	84	B02-02	84 (100%) in cycles 7 & 8, then 42 (50%) in 6 years and 84(100%) in 10 years						UT	IGSCC
D	7.11.3	2	B02-02	2	-	2	-	2	-	UT	IGSCC
E	7.11.3	9	B02-02	9	-	9	-	9	-	UT	IGSCC
G	7.11.3	2	B02-02	2	-	2	-	2	-	VT-2	IGSCC



SECTION 8.2 - AUGMENTED EXAMINATION TABLE (cont.)

Augmented Examination Category	Ref. Program Section	Number of Components	Exam Reqmt Source Code	Refueling Cycle 7 Sample	Refueling Cycle 8 Sample	Refueling Cycle 9 Sample	Refueling Cycle 10 Sample	Refueling Cycle 11 Sample	Refueling Cycle 12 Sample	Exams Required	Remarks
N/A	7.11.4.1	2	B06-02	2	2	2	2	2	2	VT-1	CS spargers
N/A	7.11.4.2	4	B06-02	4	4	-- Perform Engineering review --				VT-1	CS spargers
N/A	7.11.4.3	2	B06-02	2	2	2	2	2	2	VT-3	CS T-box
N/A	7.11.4.4	1	B06-02	1	1	1	1	1	1	UT/VT-1	Core support shroud
N/A	7.11.4.5	2	B06-02	-	2	-	2	-	2	UT	Shroud hole cover
N/A	7.11.4.6	10	B06-02	-	-	-	-	-	10	UT	Jet pump beams
N/A	7.11.4.7	All	B06-02	As equipment/adjacent inspections are available						VT-3	Jet pump sensing lines
N/A	7.11.4.8	20	B06-02	Per Engineering review						VT	Jet pump throats
N/A	7.11.4.9	10	B06-02	5	5	5	5	5	5	VT-3	Jet pump riser braces

SECTION 8.2 - AUGMENTED EXAMINATION TABLE (cont.)

Augmented Examination Category	Ref. Program Section	Number of Components	Exam Reqmt Source Code	Refueling Cycle 7 Sample	Refueling Cycle 8 Sample	Refueling Cycle 9 Sample	Refueling Cycle 10 Sample	Refueling Cycle 11 Sample	Refueling Cycle 12 Sample	Exams Required	Remarks	
N/A	7.11.4.10	1	B06-02	1	-	1	-	1	-	VT-3	Jet pump riser brace clamp	
N/A	7.11.4.11	40	B06-02	40	40	40	40	40	40	VT-3	Jet pump adjusting screws	
N/A	7.11.4.12	1	B06-02	5-10% of cell areas each outage as accessible						VT	Top guide	
N/A	7.11.4.13	12	B06-02	-	-	-	-	12	-	VT-3	IRM/SRM dry tubes	
N/A	7.11.4.14	All	B06-02	-	1	-	1	-	1	VT	Stm dryer ch. welds	
				select 1 weld every second refuel outage								
N/A	7.11.4.15	7	B06-02	7	7	7	7	7	7	VT-2 & UT	Instrument nozl SEs	
				-	-	-	7	-	-			
N/A	7.11.4.16	12	B06-02	-	2	1 in cycle 9/10 & 2 in cycle 11/12				UT	CS/RECIR SE BM	
N/A	7.11.5	All	B06-02	as accessible						VT-3	Top guide/ core plate bolting	
N/A	7.11.6	31	B04-02	10 in cycle 7 or 8		10 in cycle 9 or 10		11 in cycle 11 or 12		UT	Pipe whip	

Section 8.3UNIT 3 WELDS REQUIRED TO BE EXAMINED PER
GENERIC LETTER 88-01

<u>WELD NUMBER</u>	<u>SYSTEM</u>	<u>PIPE SIZE (INCHES)</u>	<u>WELD CONFIG</u>	<u>IGSCC CATEGORY</u>
RWR-3-001-G003	RECIR	12	P, SE	A
RWR-3-001-G006	RECIR	12	P, SE	A
RWR-3-001-G009	RECIR	12	P, SE	A
RWR-3-001-G012	RECIR	12	P, SE	A
RWR-3-001-G015	RECIR	12	P, SE	A
RWR-3-001-G016	RECIR	12	P, P	A
RWR-3-001-G017	RECIR	12	P, RT	A
RWR-3-001-G018	RECIR	12	P, T	A
RWR-3-001-G019	RECIR	22	T, X	A
RWR-3-001-G020	RECIR	12	P, T	A
RWR-3-001-G021	RECIR	22	T, X	A
RWR-3-001-G022	RECIR	12	P, T	A
RWR-3-001-G023	RECIR	12	P, RT	A
RWR-3-001-G024	RECIR	12	P, P	A
RWR-3-001-G025	RECIR	28	P, T	A
RWR-3-002-G003	RECIR	12	P, SE	A
RWR-3-002-G006	RECIR	12	P, SE	A
RWR-3-002-G009	RECIR	12	P, SE	A
RWR-3-002-G012	RECIR	12	P, SE	A
RWR-3-002-G015	RECIR	12	P, SE	A
RWR-3-002-G016	RECIR	12	P, P	A
RWR-3-002-G017	RECIR	12	P, RT	A
RWR-3-002-G018	RECIR	12	P, T	A
RWR-3-002-G019	RECIR	22	T, X	A
RWR-3-002-G020	RECIR	12	P, X	A
RWR-3-002-G021	RECIR	22	T, X	A
RWR-3-002-G022	RECIR	12	P, T	A
RWR-3-002-G023	RECIR	12	P, RT	A
RWR-3-002-G024	RECIR	12	P, P	A
RWR-3-002-G025	RECIR	28	P, T	A
SW-TPR-3-19	RECIR	28	T, X	A
SW-TPR-3-21	RECIR	28	T, X	A
RHR-3-002-G001	RHR	24	P, T	A
RHR-3-002-G002	RHR	24	P, V	A
RHR-3-002-G003	RHR	24	P, T	A
RHR-3-002-G004	RHR	24	P, V	A

Section 8.3
UNIT 3 WELDS REQUIRED TO BE EXAMINED PER
GENERIC LETTER 88-01 (cont.)

<u>WELD NUMBER</u>	<u>SYSTEM</u>	<u>PIPE SIZE (INCHES)</u>	<u>WELD CONFIG</u>	<u>IGSCC EXAM CATEGORY</u>
RWR-3-001-G001	RPV	12	N, SE	A
RWR-3-001-G004	RPV	12	N, SE	A
RWR-3-001-G007	RPV	12	N, SE	A
RWR-3-001-G010	RPV	12	N, SE	A
RWR-3-001-G013	RPV	12	N, SE	A
RWR-3-002-G001	RPV	12	N, SE	A
RWR-3-002-G004	RPV	12	N, SE	A
RWR-3-002-G007	RPV	12	N, SE	A
RWR-3-002-G010	RPV	12	N, SE	A
RWR-3-002-G013	RPV	12	N, SE	A
RWR-3-003-G001	RPV	4	N, SE	A
RWR-3-003-G050	RPV	4	N, SE	A
RWCU-3-001-G001	RWCU	6	P, PEN	A
RWCU-3-001-G011	RWCU	6	P, V	A
RWCU-3-001-G014	RWCU	6	E, P	A
RWCU-3-001-G015	RWCU	6	E, P	A
RWCU-3-001-G016	RWCU	6	E, P	A
RWCU-3-001-G017	RWCU	6	E, P	A
RWCU-3-001-G018	RWCU	6	E, P	A
RWCU-3-001-G019	RWCU	6	E, P	A
RWCU-3-001-G020	RWCU	6	E, P	A
RWCU-3-001-G021	RWCU	6	E, P	A
RWCU-3-001-G022	RWCU	6	P, V	A
RWCU-3-001-G023	RWCU	6	E, V	A
RWCU-3-001-G024	RWCU	6	E, P	A
RWCU-3-001-G025	RWCU	6	P, V	A
RWCU-3-001-G026	RWCU	6	T, V	A
RWCU-3-007-G001	RWCU	4	P, V	A
RWCU-3-007-G002	RWCU	4	P, V	A
RWCU-3-007-G003	RWCU	4	P, V	A
RWCU-3-007-G004	RWCU	4	P, V	A

1944

1944



Section 8.3
UNIT 3 WELDS REQUIRED TO BE EXAMINED PER
GENERIC LETTER 88-01 (cont.)

<u>WELD NUMBER</u>	<u>SYSTEM</u>	<u>PIPE SIZE (INCHES)</u>	<u>WELD CONFIG</u>	<u>IGSCC EXAM CATEGORY</u>
RCRD-3-49	CRD	4	E, V	C
RCRD-3-50	CRD	4	E, V	C
RCRD-3-52	CRD	4	P, V	C
DCS-3-04	CS	12	P, P	C
DCS-3-05	CS	12	P, V	C
DCS-3-13	CS	12	P, P	C
DCS-3-14	CS	12	P, V	C
DSCS-3-01	CS	12	E, P	C
DSCS-3-02	CS	12	E, P	C
DSCS-3-07	CS	12	E, P	C
DSCS-3-08	CS	12	E, E	C
DSCS-3-09	CS	12	E, P	C
TSCS-3-402	CS	10	P, SE	C
TCS-3-405	CS	12	E, V	C
TCS-3-406	CS	12	P, V	C
TCS-3-410	CS	12	E, V	C
TSCS-3-418	CS	10	P, SE	C
TCS-3-421	CS	12	E, V	C
TCS-3-422	CS	12	P, V	C
TCS-3-426	CS	12	E, V	C
GR-3-01	RECIR	28	P, PMP	C
GR-3-02	RECIR	28	P, V	C
GR-3-04	RECIR	4	C, P	C
GR-3-07	RECIR	4	C, P	C
GR-3-28	RECIR	28	P, V	C
GR-3-29	RECIR	28	E, V	C
GR-3-30	RECIR	4	C, P	C
GR-3-33	RECIR	4	C, P	C
GR-3-55	RECIR	28	P, T	C
GR-3-56	RECIR	28	E, V	C
GR-3-58	RECIR	28	E, PMP	C
GR-3-61	RECIR	28	P, P	C
GR-3-62	RECIR	28	E, V	C
GR-3-63	RECIR	28	P, V	C
GR-3-63A	RECIR	4	F, F	C
GR-3-63B	RECIR	4	BC	C

1. 2. 3. 4. 5.

6. 7. 8. 9. 10.

11. 12. 13. 14. 15.

16. 17. 18. 19. 20.

21. 22. 23. 24. 25.

26. 27. 28. 29. 30.

31. 32. 33. 34. 35.

36.

37. 38. 39. 40.

41. 42. 43. 44. 45.

46.

47. 48. 49. 50.

51.

52.

53.

Section 8.3
UNIT 3 WELDS REQUIRED TO BE EXAMINED PER
GENERIC LETTER 88-01 (cont.)

<u>WELD NUMBER</u>	<u>SYSTEM</u>	<u>PIPE SIZE (INCHES)</u>	<u>WELD CONFIG</u>	<u>IGSCC CATEGORY</u>
KR-3-01	RECIR	4	BC	C
KR-3-02	RECIR	28	E, P	C
KR-3-04	RECIR	4	BC	C
KR-3-23	RECIR	4	BC	C
KR-3-24	RECIR	28	E, P	C
KR-3-26	RECIR	4	BC	C
KR-3-45	RECIR	28	E, P	C
KR-3-46	RECIR	28	P, T	C
KR-3-47	RECIR	28	E, P	C
KR-3-48	RECIR	28	E, P	C
KR-3-49	RECIR	4	BC	C
KR-3-50	RECIR	28	E, P	C
KR-3-51	RECIR	28	E, P	C
KR-3-52	RECIR	28	E, P	C
KR-3-53	RECIR	4	BC	C
DRHR-3-02	RHR	24	P, V	C
DRHR-3-04	RHR	24	E, P	C
DRHR-3-05	RHR	24	P, V	C
DRHR-3-06	RHR	24	P, V	C
DRHR-3-07	RHR	24	P, V	C
DRHR-3-11	RHR	24	P, V	C
DRHR-3-13	RHR	24	E, P	C
DRHR-3-14	RHR	24	E, V	C
DRHR-3-15	RHR	24	P, V	C
DRHR-3-16	RHR	24	E, V	C
DRHR-3-19	RHR	20	P, T	C
DRHR-3-21	RHR	20	E, V	C
DRHR-3-22	RHR	20	P, V	C
DRHR-3-23	RHR	20	P, V	C
DSRHR-3-01	RHR	24	E, P	C
DSRHR-3-02	RHR	24	E, P	C
DSRHR-3-03	RHR	24	P, P	C
DSRHR-3-04	RHR	24	E, P	C
DSRHR-3-04A	RHR	24	E, P	C
DSRHR-3-05	RHR	24	E, P	C
DSRHR-3-05A	RHR	24	E, P	C
DSRHR-3-06	RHR	24	P, P	C
DSRHR-3-07	RHR	24	E, P	C
DSRHR-3-08	RHR	6	BC	C
DSRHR-3-09	RHR	20	E, P	C
DSRHR-3-10	RHR	20	E, P	C
TRHR-3-191	RHR	20	E, V	C

1000

1000



Section 8.3
UNIT 3 WELDS REQUIRED TO BE EXAMINED PER
GENERIC LETTER 88-01 (cont.)

<u>WELD NUMBER</u>	<u>SYSTEM</u>	<u>PIPE SIZE (INCHES)</u>	<u>WELD CONFIG</u>	<u>IGSCC EXAM CATEGORY</u>
N 1A-SE	RPV	28	N, SE	C
N 1B-SE	RPV	28	N, SE	C
RCD-3-33	RPV	4	C, N	C
TCS-3-401	RPV	10	N, SE	C
TCS-3-417	RPV	10	N, SE	C
3RWCU-09	RWCU	4	P, V	C
DRHR-3-03	RHR	24	P, V	D
DRHR-3-12	RHR	24	P, V	D
GR-3-03(OL)	RECIR	28	E, V	E
GR-3-27(OL)	RECIR	28	P, PMP	E
GR-3-53(OL)	RECIR	28	P, SE	E
GR-3-54(OL)	RECIR	28	E, P	E
GR-3-57(OL)	RECIR	28	P, V	E
GR-3-59(OL)	RECIR	28	P, SE	E
GR-3-60(OL)	RECIR	28	E, P	E
GR-3-64(OL)	RECIR	28	E, P	E
DSRHR-3-11(OL)	RHR	20	E, PMP	E
DRHR-3-03B	RHR	24	P, P	G
DRHR-3-13B	RHR	24	P, P	G



Section 8.4 - Class 1 Valve Group List

Group Number	Valve Number	Size (inch)	System	ISI Dwg Number	Vendor Dwg No.	Material Spec	Valve Type	Vendor	Forging/ Casting	Comments
1	3-554	24	Feedwater	ISI-0327-C	20788-H	A-216 WCB	Check	Atw & Mor	Casting	2
	3-558	24		ISI-0327-C	20788-H	A-216 WCB	Check	Atw & Mor	Casting	2
	3-568	24		ISI-0327-C	20788-H	A-216 WCB	Check	Atw & Mor	Casting	2
	3-572	24		ISI-0327-C	20788-H	A-216 WCB	Check	Atw & Mor	Casting	2
2	HCV 3-67	24		ISI-0327-C	035879-2	A-216 WCB	Gate	Powell	Casting	
	HCV 3-66	24		ISI-0327-C	035879-2	A-216 WCB	Gate	Powell	Casting	
3	FCV 68-1	28	Recirc.	ISI-0328-C	94-12086	A351 CF8	Gate	Darling	Casting	2
	FCV 68-77	28		ISI-0328-C	94-12086	A351 CF8	Gate	Darling	Casting	2
4	FCV 68-3	28		ISI-0328-C	94-12086	A351 CF8	Gate	Darling	Casting	2
	FCV 68-79	28		ISI-0328-C	94-12086	A351 CF8	Gate	Darling	Casting	2
5	FCV 1-14	26	Main Stm.	ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-26	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-37	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-51	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-15	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-27	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-38	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2
	FCV 1-52	26		ISI-0329-C	20851-H	A216 WCB	Globe	Atw & Mor	Casting	2



Group Number	Valve Number	Size (inch)	System	ISI Dwg Number	Vendor Dwg No.	Material Spec	Valve Type	Vendor	Forging/ Casting	Comments
6	PCV 1-4	6		ISI-0027-C	PL-7657F-100	See Note 3	Relief	Trgt Rck	Casting	2
	PCV 1-179	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-5	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-18	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-19	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-22	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-23	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-30	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-31	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-34	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-41	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-180	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
	PCV 1-42	6		ISI-0027-C	PL-7657F-100		Relief	Trgt Rck	Casting	2
7	HCV 74-69	24	RHR	ISI-0330-C	035880-3	A351 CF8M	Gate	Powell	Casting	
	HCV 74-55	24		ISI-0330-C	035880-3	A351 CF8M	Gate	Powell	Casting	
8	FCV 74-68	24		ISI-0330-C	20800-H	A351 CF8M	Check	Atw&Mor	Casting	2
	FCV 74-54	24		ISI-0330-C	20800-H	A351 CF8M	Check	Atw&Mor	Casting	2
9	FCV 74-67	24		ISI-0330-C	A-12334-M1E	A351 CF8M	Gate	Walworth	Casting	
	FCV 74-53	24		ISI-0330-C	A-12334-M1E	A351 CF8M	Gate	Walworth	Casting	



Section 8.4 - Class 1 Valve Group List

Group Number	Valve Number	Size (inch)	System	ISI Dwg Number	Vendor Dwg No.	Material Spec	Valve Type	Vendor	Forging/ Casting	Comments
10	HCV 74-49	20	RHR	ISI-0330-C	036207-2	A351 CF8M	Gate	Powell	Casting	
11	FCV 74-47	20		ISI-0330-C	A-12332-MIC	A216 WCB	Gate	Walworth	Casting	
12	HCV 75-55	12	C Spray	ISI-0331-C	036034-2	A351 CF8M	Gate	Powell	Casting	2
	HCV 75-27	12		ISI-0331-C	036034-2	A351 CF8M	Gate	Powell	Casting	2
13	FCV 75-54	12		ISI-0331-C	PD-420652	A351 CF8M	Check	Rockwell	Casting	2
	FCV 75-26	12		ISI-0331-C	PD-420652	A351 CF8M	Check	Rockwell	Casting	2
14	FCV 75-53	12		ISI-0331-C	IVP-11978	A351 CF8M	Gate	Walworth	Casting	
	FCV 75-25	12		ISI-0331-C	IVP-11978	A351 CF8M	Gate	Walworth	Casting	
15	69-500	6	RWCU	ISI-0332-C	P-33160-20	A182 F316	Gate	Velan	Forging	
16	FCV 69-1	6		ISI-0332-C	P-33160-20	A182 F316	Gate	Velan	Forging	
	FCV 69-2	6		ISI-0332-C	P-33160-20	A182 F316	Gate	Velan	Forging	
17	FCV 71-40	6	RCIC	ISI-0332-C	PD-42068B	A216 WCB	Check	Rockwell	Casting	



Group Number	Valve Number	Size (inch)	System	ISI Dwg Number	Vendor Dwg No.	Material Spec	Valve Type	Vendor	Forging/ Casting	Comments
18	69-628	4	RWCU	ISI-0333-C	C-23650	SA-531 CF8M	Check	Anchor Darling	Casting	1
	69-629	4		ISI-0332-C	C-23650	SA-531 CF8M	Check	Anchor Darling	Casting	1
19	FCV 73-2	10	HPCI	ISI-0333-C	PB-139989	A216 WCB	Gate	Crane	Casting	
	FCV 73-3	10		ISI-0333-C	PB-139989	A216 WCB	Gate	Crane	Casting	
20	FCV 73-45	14		ISI-0333-C	PD-420687	A216 WCB	Check	Rockwell	Casting	
21	FCV 74-48	20	RHR	ISI-0330-C	A-12331-M1C	A351 CF8M	Gate	Walworth	Casting	

NOTES

- 1 Exempt from B-M-2 examination due to size.
- 2 Pressure Retaining Bolting
- 3 MSRV's with serial numbers 1014, 1015, 1016, 1032, 1033, and 1034 are complete forgings (A105).
All other MSRV's have cast bodies (A216 WCB) with forged top works (A105).

**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-1 (SECOND INTERVAL)**

Components: Reactor pressure vessel (RPV) circumferential and longitudinal shell welds

Code Class: 1

Examination Category: B-A

Item Number: B1.10, Shell Welds and B1.30, Shell-to-Flange Weld

Code Requirement: 1989 Edition of ASME Section XI (no addenda), IWB-2420(b). "If flaw indications or relevant conditions are evaluated in accordance with IWB-3132.4 or IWB-3142.4, respectively, and the component qualifies as acceptable for continued service, the areas containing such flaw indications or relevant conditions shall be reexamined during the next three inspection periods listed in the schedules of the inspection programs of IWB-2410."

Code Requirement From Which Relief is Requested: The examination of Browns Ferry Unit 3 reactor pressure vessel (RPV) shell welds in accordance with the augmented requirement of 10CFR50.55a(g)(6)(ii)(A) identified ten (10) subsurface indications described in attachment 1. Examination of the RPV shell-to-flange weld identified five (5) subsurface indications, also described in attachment 1. The subject examinations were performed during the third inspection period of the first ten-year interval.

Relief is requested from the IWB-2420(b) requirement that the flaw indication or relevant condition be reexamined during the next three inspection periods.

Basis For Relief: Accessible RPV shell welds were ultrasonically examined from the vessel inside surface utilizing the General Electric (GE) reactor inspection GERIS 2000 automated scanning system and from accessible areas on the vessel outside surface using manual techniques in areas with limited or no accessibility from the inside surface. The examination identified fifteen (15) subsurface indications which exceeded IWB-3500 criteria, but were evaluated to meet the criteria of IWB-3600 for continued operation. Calculation MD-Q3001-940005 evaluated the RPV indications and determined that operation was justified for up to 12 effective full power years (EFPY). The 12 EFPY corresponds with the performance of the re-examination of these indications during the Unit 3 cycle 11 outage. It was also determined that the margin of safety, based on the maximum IWB-3600 allowable, is greater than 5:1.

REQUEST FOR RELIEF 3-ISI-1 (cont.)

The BWR Vessel and Internals Project Beltline Team, "BWR Reactor Pressure Vessel Shell Weld Inspection Recommendations (BWRVIP-05)", EPRI# TR-105697, Section 11, submitted to NRC for review on September 28, 1995, summarizes the probability for growth of extensive subsurface cracking as negligible. The referenced evaluation recommended the inspection scope be reduced from essentially 100% of the circumferential and longitudinal seam welds to 50% of the longitudinal seam welds and no required examination of circumferential shell welds (Item #B1.10). This reduction of inspection scope is achieved while maintaining a failure probability two orders of magnitude below the NRC stated safety goal for reactor failure of 4×10^{-5} in 40 years.

The cost associated with each of the successive examinations is estimated to be in the range of \$1.5 to \$2.0 million dollars. The combined cost for performance of the successive examinations would be approximately \$3.0 to \$4.0 million dollars.

Alternate Examinations: Perform ultrasonic examination of the areas containing the subject indications during the third period of the second interval (cycle 11) in conjunction with the required RPV shell weld examination.

Justification For The Granting Of Relief: TVA contracted with GE to perform the 10CFR50.55a(g)(6)(ii)(A) augmented RPV shell weld examinations. The accessible RPV welds were ultrasonically examined from the vessel inside surface utilizing GE's automated inspection device, the GERIS 2000. Prior to performing the examinations, the GERIS 2000 examination personnel and procedures were qualified in the "spirit of" Appendix VIII of ASME Section XI (both detection and sizing). In addition to the automated examinations, accessible portions of welds were ultrasonically examined from the vessel outside surface using manual techniques in areas with limited or no accessibility from the inside surface. The augmented examination included five (5) circumferential welds and fifteen (15) longitudinal welds.

Examination results revealed that four RPV shell welds had a total of ten recorded indications that exceeded the allowable standards of Paragraph IWB-3500 of ASME Section XI (C-2-3, C-3-4, C-4-5, and V-4-B). One indication is located at the intersection of welds V-4-B and C-3-4, this indication was recorded and sized in both welds. In addition, examination of the RPV shell-to-flange weld revealed five recorded indications exceeding the allowable standards of Paragraph IWB-3500. A structural flaw evaluation was performed in accordance with Paragraph IWB-3600 for those welds which had indications exceeding the allowable standards of Paragraph IWB-3500. The indications were determined to be subsurface in nature and determined to meet Paragraph IWB-3600 acceptance criteria. The evaluation determined that operation is justified up to 12 effective full power years, which is estimated to correspond with the Unit 3, cycle 11 outage. These indications were categorized as related to the manufacturing process and previously undetected with the examination methods employed at that time.

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REQUEST FOR RELIEF 3-ISI-1 (cont.)

The beltline region of the unit 3 RPV includes one circumferential and six longitudinal shell welds. Examination results revealed no recorded indications that exceeded the allowable standards of Paragraph IWB-3500 in the beltline region.

The examinations which were performed have provided reasonable assurance that inservice flaws which are unacceptable for continued operation have not developed in the RPV shell welds. Examinations have been performed to the maximum extent practical using state of the art equipment and within the limitations of design and access of the RPV.

An ASME Section XI White Paper, "Technical Justification For Proposed Code Case N-526: Alternate Rules for Successive Inspections of Class 1 and 2 Vessels," was prepared by Peter C. Riccardella as a basis document for proposed Code Case N-526. The alternate rules in proposed Code Case N-526 are based on studies that have concluded that the potential for crack growth in vessels with subsurface flaws is insignificant. A two-fold explanation is given:

- 1) Since the flaw is not exposed to a water environment, the crack growth rate in the material is extremely low.
- 2) The driving force for crack propagation for subsurface flaws is also minimal because the flaws are located in areas where stresses are low and non-cyclical.

Studies by Batelle Pacific Northwest Lab and Framatome are referenced by the white paper to support the conclusion that the standard 120 month interval re-examination schedule required by ASME Section XI is adequate for subsurface flaws that meet the proposed code case criteria.

The following information is provided to demonstrate compliance with the intent of proposed Code Case N-526:

- 1) The chart in attachment 2 demonstrates that the flaws identified during the augmented examination of the Unit 3 RPV may be categorized as subsurface in accordance with proposed Code Case N-526.
- 2) The augmented examination of the Unit 3 RPV was performed utilizing procedures and personnel qualified in the "spirit of" ASME Section XI Appendix VIII for both detection and sizing.
- 3) Calculation MD-Q3001-940005 was performed to evaluate the RPV flaws and determined that continued operation is justified up to 12 effective full power years and that re-inspection should be during the next 10-year interval.

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REQUEST FOR RELIEF 3-ISI-1 (cont.)

The periodic Class 1 system pressure test also provides continuing proof of shell integrity, since it provides a controlled test conducted to confirm the integrity of the reactor vessel (and other applicable class 1 components) following each refueling outage. The system pressure test in conjunction with successive examination of the subject flaws at the 120 month scheduled ASME Section XI re-examination is adequate to ensure that the RPV remains acceptable for continued service.

Implementation Schedule: Re-examination of the subject indications will be scheduled concurrent with the examination of the RPV shell welds currently planned for the third period of the second inspection interval during the Unit 3 cycle 11 outage.

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**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-2 (SECOND INTERVAL)**

Components: Component/piping snubbers

Code Class: 1, 2 and 3

Examination Category: N/A

Item Number: N/A

Code Requirement: 1989 Edition of ASME Section XI (no addenda)
IWF-5300(a) and (b) inservice examination and testing in accordance with the first
Addenda to ASME/ANSI OM-1987, Part 4.

IWF-5400 Repairs and Replacements of snubbers shall be in accordance with the first
Addenda to ASME/ANSI OM-1987, Part 4.

Code Requirement From Which Relief is Requested: Relief is requested from the
ASME Section XI, 1989 Edition (no addenda), requirement for examination, testing, and
repair/replacement of snubbers in accordance with the first Addenda to ASME/ANSI OM-
1987, Part 4.

Basis For Relief: ASME Section XI Class 1, 2 and 3 equivalent snubbers are examined
and tested in accordance with Browns Ferry Nuclear (BFN) Plant technical specifications.
BFN Technical Specification 3/4.6.H is prepared in accordance with the guidance given by
NRC in Generic Letter 90-09. The scope for snubbers examined and tested in accordance
with TS 3/4.6.H is not limited by line size or other applicable code exemptions and
includes a numerically greater population of snubbers than the Section XI program.
Examination and testing of the snubbers in accordance with both ASME Section XI and
the plant technical specifications would result in a duplication of effort utilizing different
standards. This would result in additional cost and unnecessary radiological exposure.
The existing technical specification program for examination and testing of snubbers has
been accepted by NRC.

Alternate Examinations: The BFN Technical Specification 3/4.6.H requirements will be
utilized for the examination and testing of snubbers for preservice, inservice, and
repair/replacement activities. This will include the pin-to-pin area inclusive of applicable
snubbers. Reporting of snubber examination and testing will be in accordance with the
current requirements of TS 3/4.6.H and the site corrective action program, SSP-3.4.

The areas inclusive of the pins back to building structure and to the component/piping
being supported will remain in the ASME Section XI examination boundary.

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REQUEST FOR RELIEF 3-ISI-2 (cont.)

Justification For The Granting Of Relief: Examination, testing, repair and replacement of snubbers is currently performed in accordance with TS 3/4.6.H, which utilizes the guidance provided by NRC in Generic Letter 90-09. The OM Code referenced by ASME Section XI has a different basis for examination (failure mode groups) and testing plans (10%, 37, or 55). It is impractical to implement both plans because of the resulting duplication of examination and testing efforts and different requirements for snubber quantities subject to examination or test, actually examined and/or tested, and sample expansion requirements. This would result in additional cost and unnecessary radiological exposure. The existing technical specification program for examination and testing of snubbers has been accepted by NRC. TS 3/4.6.H provides for a level of quality and safety equal to or greater than that of the OM Code and utilizes NRC guidance not incorporated into the OM Code referenced by the 1989 Edition of ASME Section XI.

Implementation Schedule: TS 3/4.6.H will be implemented during the second ten-year ASME Section XI inspection interval for snubber examination and testing in lieu of the code requirements listed above.

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**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-3 (SECOND INTERVAL)**

Components: Longitudinal Welds in Class 1 and 2 Piping

Code Class: Class 1 and 2

Examination Category: B-J, C-F-1, and C-F-2

Item Number: B9.12, B9.22, C5.12, C5.22, C5.42, C5.52, C5.62, and C5.82

Code Requirement: 1989 Edition of ASME Section XI (no addenda), Table IWB-2500-1 requires a volumetric and/or surface examination of at least one pipe diameter length, but no more than 12 inches of each longitudinal weld that intersects a circumferential weld required to be examined in accordance with Examination Category B-J.

1989 Edition of ASME Section XI (no addenda), Table IWC-2500-1 requires a volumetric and/or surface examination to be performed of at least 2.5t, where "t" is the thickness of each longitudinal weld that intersects a circumferential weld required to be examined under Examination Categories C-F-1 and C-F-2.

Code Requirement From Which Relief is Requested: Relief is requested to use Code Case N-524; "Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping Section XI, Division 1," in lieu of the 1989 ASME Section XI requirements listed above.

Basis For Relief: The alternative examination requirements of Code Case N-524 include examination of the subject longitudinal piping welds at intersecting circumferential welds within the examination boundary of the circumferential weld. The following items summarize the basis for the revised longitudinal piping weld examination boundary:

- Longitudinal piping welds are fabricated during the manufacturing process under controlled shop conditions, which produce higher quality welds and more uniform residual stress patterns.
- Longitudinal piping welds undergo heat treatment during the manufacturing process which enhances the material properties of the weld and reduces the residual stress created by welding.
- Results of previous weld inspections throughout the industry indicate that longitudinal welds have not been a safety concern, and there has been no evidence of longitudinal weld defects compromising safety at nuclear power plants.

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REQUEST FOR RELIEF 3-ISI-3 (cont.)

- Longitudinal welds have not been shown to be susceptible to any particular degradation mechanism.
- The areas of a longitudinal weld that would be the most susceptible to a potential failure mechanism would be at the intersection of a field fabricated circumferential weld.
- Locating longitudinal piping welds can require acid etching, eddy current examination, or a combination of methods. This increases radiological exposure, radwaste generation, and overall cost for performance of ASME Section XI examinations.

Alternate Examinations: As an alternative to the requirements stated in the 1989 Edition (no addenda) of ASME Section XI, Browns Ferry Nuclear Plant will adopt the provisions of ASME Code Case N-524 for the examination of Class 1 and 2 longitudinal piping welds.

Justification For The Granting Of Relief: Code Case N-524 was developed by ASME Section XI as an alternative to the provisions in ASME Section XI for the examination of longitudinal piping welds. The alternate examinations specified in the code case maintain an acceptable level of safety and are sufficient to verify the continued structural integrity of longitudinal piping welds.

Implementation Schedule: Code Case N-524 will be implemented during the second ISI inspection interval for Browns Ferry Unit 3.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-4 (SECOND INTERVAL)**

Components: Class 1 and 2 Integral Welded Attachments

Code Class: 1, 2

Examination Category: B-K-1 and C-C

Item Number: B10.10, C3.20

Code Requirement: ASME Section XI, 1989 Edition (no addenda), Table IWB-2500-1, Examination Category B-K-1 integrally welded attachments greater than or equal to 5/8-inch thickness, Figure IWB-2500-15.

ASME Section XI, 1989 Edition (no addenda), Table IWC-2500-1, Examination Category C-C integrally welded attachments greater than or equal to 3/4-inch thickness, Figure IWC-2500-5.

Code Requirement From Which Relief is Requested: Relief is requested from the ASME Section XI, Table IWB-2500-1, requirement to perform a volumetric or surface examination, as applicable, of essentially 100% of the examination volume/area.

Basis for Relief: TVA is requesting relief from ASME Section XI, 1989 Edition (no addenda) requirements related to the 100% examination of the required weld and base material volume required by Figure IWB-2500-15 for Examination Category B-K-1 integrally welded supports. The supports are identified on the attached list, which will be updated as required. Examination of the accessible areas of the integral attachment welds without removal of support members would result in estimated savings of approximately \$110,000 for personnel and materials, and approximately 150 man-rem of exposure, which equates to \$1,500,000 during the remaining inservice inspection intervals for a total savings of \$1.6 million dollars.

ASME Section XI, 1989 Edition, Table IWB-2500-1, Examination Category B10.10, requires examination of essentially 100% of the weld and base material for integrally welded attachments. In some cases this examination would require the removal of support members to achieve the coverage required by the 1989 Edition of ASME Section XI. Estimated duration for activities associated with the temporary removal of supports for the examination of integrally welded supports follow:

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REQUEST FOR RELIEF 3-ISI-4 (cont.)

<u>Activity</u>	<u>Duration (man-hrs)</u>
Engineering evaluation of temporary support	20
Craft time for support member removal, installation of temporary support, and support reinstallation	100
Quality Control verification of activity	5

An average man hour cost of \$35/hour was utilized for the estimate along with approximately 25 supports requiring temporary removal for the current inspection interval. An average drywell exposure rate of 50 mrem/hr was utilized for the man-rem exposure estimate. These values result in estimated savings of approximately \$110,000 for personnel and materials. A cost of \$10,000 per man-rem for the 150 man-rem of exposure estimated during the remaining inservice inspection intervals for Unit 3 would result in a savings of \$1,500,000.

The Code of record requires examination of 100% of the Class 1 integrally welded attachments subject to examination which precludes selection of alternate integrally welded attachments without interferences to meet code requirements.

The 25 supports estimated as requiring disassembly to conduct the examination of the integrally welded attachments represent approximately 45% of the total number of integrally welded Class 1 supports in this code category subject to examination.

Alternate Inspection: Perform the required examination method from Table IWB-2500-1, Examination Category B-K-1, on the accessible examination volume/area of the support integral attachment without removal of support members.

Justification for the Granting of Relief: The limitations encountered during performance of the surface examination were caused by component configuration. Based on a construction permit date of July 31, 1968 for BFN unit 3 and as required by 10CFR50.55a(g)(1) and 10CFR50.55a(g)(4), BFN must meet the requirements of ASME Section XI, except design and access provisions, to the extent practical within the limitations of design, geometry, and materials of construction of the components. BFN Unit 3 was not designed to provide access for ASME Section XI examinations.

The surface examination of the subject integral attachment from the accessible surfaces provides an effective assessment of the integral attachment's structural integrity.

The examination of the accessible areas without removal of support members was approved for a future code revision by the ASME Section XI committee during their March 1995 meeting (Subcommittee activity number ISI 95-08).

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REQUEST FOR RELIEF 3-ISI-4 (cont.)

Implementation Schedule: Request for relief 3-ISI-4 will be implemented during the second ISI inspection interval for Browns Ferry Unit 3.

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**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-5 (SECOND INTERVAL)**

Components: Control Rod Drive Housing Bolting

Code Class: Class 1

Examination Category: B-G-2

Item Number: B 7.80

Code Requirement: 1989 Edition of ASME Section XI (no addenda), Table IWB-2500-1 requires a visual examination of CRD housing bolting when disassembled.

Code Requirement From Which Relief is Requested: Relief is requested to use Code Case N-547, "Alternative Examination Requirements for Pressure Retaining Bolting of Control Rod Drive (CRD) Housings, Section XI, Division 1," in lieu of the 1989 ASME Section XI requirements listed above.

Basis For Relief: Code Case N-547 allows the disassembly of CRD housing bolting without an accompanying VT-1 examination. This exception from visual examination is based on a review of previous industry-wide CRD housing bolting examination results that indicate a generic failure mechanism does not exist for CRD bolting. The visual examination of CRD housing bolting when disassembled in accordance with ASME Section XI requires the presence of a certified VT-1 examiner, which results in additional cost and radiological dose.

Alternate Examinations: As an alternative to the requirements stated in the 1989 Edition (no addenda) of ASME Section XI, Browns Ferry Nuclear Plant will adopt the provisions of ASME Code Case N-547.

Justification For The Granting Of Relief: Code Case N-547 was developed by ASME Section XI as an alternative to the provisions in ASME Section XI for the examination of CRD housing bolting. Research done for preparation of the code case determined the following points:

- The cap screws that are being rejected are due to innocuous indications being found in the industry and their safety significance as related to the structural integrity of the CRD bolted connections is very insignificant
- To require disassembly of other drives outside the outage schedule is not practical from a cost and exposure standpoint

REQUEST FOR RELIEF 3-ISI-5 (cont.)

- The fact that all of the cap screws will be looked at over a specified period of time due to scheduled maintenance of the CRDs is relevant

GE SIL No. 483 addressed the CRD flange cap screw indications and concluded that three uniformly distributed, uncracked cap screws can support the CRD loads and remain within stress limits identified in ASME codes. The probability of through wall cracks in five of the eight cap screws on a single CRD housing flange was determined to be extremely low. In the unlikely event of failure of the cap screws, it would be preceded by leakage at the failed joint. The leakage detection system, drywell temperature monitoring, and/or periodic system leakage test would detect such leakage. In addition, the potential failure of the CRD flange cap screws would be mitigated by the CRD housing supports. The CRD housing supports serve to limit downward control rod motion, so that any resulting nuclear transient could not be sufficient to cause fuel damage or additional damage to the process barrier. The CRD housing support function is further discussed in BFN UFSAR section 3.5.

The ASME Section XI committee approved deletion of the VT-1 requirement for CRD bolting from the Section XI and issued this implementing code case based on industry experience. The periodic system pressure test and VT-2 examination provides adequate verification of pressure boundary integrity for the CRD bolted connections.

Implementation Schedule: Code Case N-547 will be implemented during the second ISI inspection interval for Browns Ferry Unit 3.

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**BROWNS FERRY NUCLEAR PLANT
REQUEST FOR RELIEF 3-ISI-6 (SECOND INTERVAL)**

Components: NIS-1 and NIS-2 summary reports

Code Class: 1, 2, and 3

Examination Category: N/A

Item Number: N/A

Code Requirement: 1989 Edition, no addenda, of ASME Section XI, IWA-4800, IWA-6210(c), IWA-6220(c),(d), and (e), IWA-6230, and IWA-7520(a)(8) requirements for NIS-1 and NIS-2 summary report preparation and submittal. [The references to IWA-4000, -6000, and -7000 are the equivalent references from the 1989 Edition of ASME Section XI to the references in Code Case N-532 from the 1992 Edition of ASME Section XI]

Code Requirement From Which Relief is Requested: Relief is requested to use Code Case N-532, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000: Section XI, Division 1" in lieu of the 1989 ASME Section XI requirements listed above.

Basis For Relief: The 1989 Edition of ASME Section XI requires the preparation and submittal of NIS-1 and NIS-2 summary reports within 90 days of the completion of each refueling outage. This requires resources to be diverted from restart of the applicable unit to preparation of the NIS-1 and NIS-2 within the prescribed timeframe. It also presents an unnecessary time constraint on the utility for submittal of the summary reports to NRC.

Code Case N-532 allows an alternate method for the certification of repairs and replacements in conjunction with the preparation and submittal of the Owner's Activity Report (OAR). Code Case N-532 requirements for submittal of the OAR to NRC at the end of the inspection period, which allows flexibility of resources at the end of a refueling outage.

Alternate Examinations: None required.

REQUEST FOR RELIEF 3-ISI-6 (cont.)

Justification For The Granting Of Relief: Code Case N-532 was developed by ASME Section XI as an alternative to the provisions in ASME Section XI related to repair/replacement documentation and inservice summary report preparation. The requirements currently prescribed by the 1989 Edition, no addenda, of ASME Section XI result in preparation of the NIS-1 and NIS-2 summary reports for submittal to NRC within 90 days of each refueling outage. Code Case N-532 makes similar information available for review at the plant site and requires submittal of the OAR form at the end of the ISI inspection period. The information presented in the OAR is more concise than that currently required by the NIS-1 and NIS-2.

The use of Code Case N-532 will not affect the margin of safety achieved through implementation of ASME Section XI for verification of system/structural integrity.

Implementation Schedule: Code Case N-532 will be implemented during the second ISI inspection interval for Browns Ferry Unit 3.



**REQUEST FOR RELIEF 3-ISI-1
(SECOND INTERVAL)
ATTACHMENT 1**

**REJECTABLE INDICATIONS
IDENTIFIED DURING AUGMENTED
UNIT 3 RPV EXAMINATION**



GE Nuclear Energy

GERIS 2000 Examination Summary Sheet

Project: TVA, Browns Ferry Nuclear Plant, Unit 3

System: Reactor Pressure Vessel

Weld ID: V-4-B

ASME Code Category: B-A

Calibration Sheets: C-001

Supporting Data: Examination Data Sheets E-14-00 and E-14-01, Indication Data Sheets 14-001 thru 14-005 and G-100 thru G-108, Indication Evaluation Sheets, Screen Prints, Exam Patch Location Map, Exam Coverage Plots and GERIS 2000 Setup Records.

Examination Summary

The ultrasonic examination of weld V-4-B resulted in one (1) recorded indication that exceeds the allowable standards of IWB-3500, ASME Section XI, 1986 Edition, No Addenda.

The ASME Section XI required examination volume was examined with the GERIS 2000 System from the RPV inside surface utilizing Procedure No. GE-UT-700, Rev. 2. This examination was limited due to the N11-A Nozzle at 40°. The total examination coverage was calculated to be 83%.

The GERIS 2000 utilizes an array of search units arranged to effectively examine the weld and adjacent base material parallel and perpendicular to the weld axis in two directions. The transducer package consisted of 0° longitudinal, 45° and 60° shear wave, and 70° refracted longitudinal (RL) wave search units.

The one indication evaluated as being reportable to IWB-3500, ASME Section XI, 1986 Edition, No Addenda was recorded and sized in accordance with GE-UT-700, Rev. 2 and GE-UT-701, Rev. 2. This indication was recorded during the examination of both welds V-4-B as 14-002 and C-3-4 as 12-015. The flaw dimensions were determined from weld C-3-4 Indication Data Sheet 12-015 with the results tabulated below:

Ind. No.	Oriented	Type	X Pos	Y Pos	Z Pos	"S"	T wall	Length	T Meas	a/l	% a/l Calculated	% a/l Allowed
12-015	circ.	subsurface	94.35"	525.43"	1.13"	0.94"	.44"	1.75"	6.53"	0.13	3.4	2.71

This indication was sized with the 70°RL utilizing the PATT technique. It was also recorded with the 45° and 60° shear waves.

The GERIS 2000 also recorded an indication with the 0° weld metal scan that was evaluated and found to be acceptable per the referencing Code section. Geometric indications from the stabilizer bracket at 45° were recorded with the 0° weld metal, 45° and 60° shear wave scans.

No manual supplemental examination was performed from the RPV outside surface due to access restrictions.

Fabrication records and previous examination results were reviewed prior to the completion of this examination summary.

GERIS Analyst: *Leisa Kimball*

GE Reviewer: *R.O. Forman*

LEVEL: *III* DATE: *12-21-93*

LEVEL: *II* DATE: *12-21-93*

UTILITY Review:

ANII Review:

TITLE: DATE:

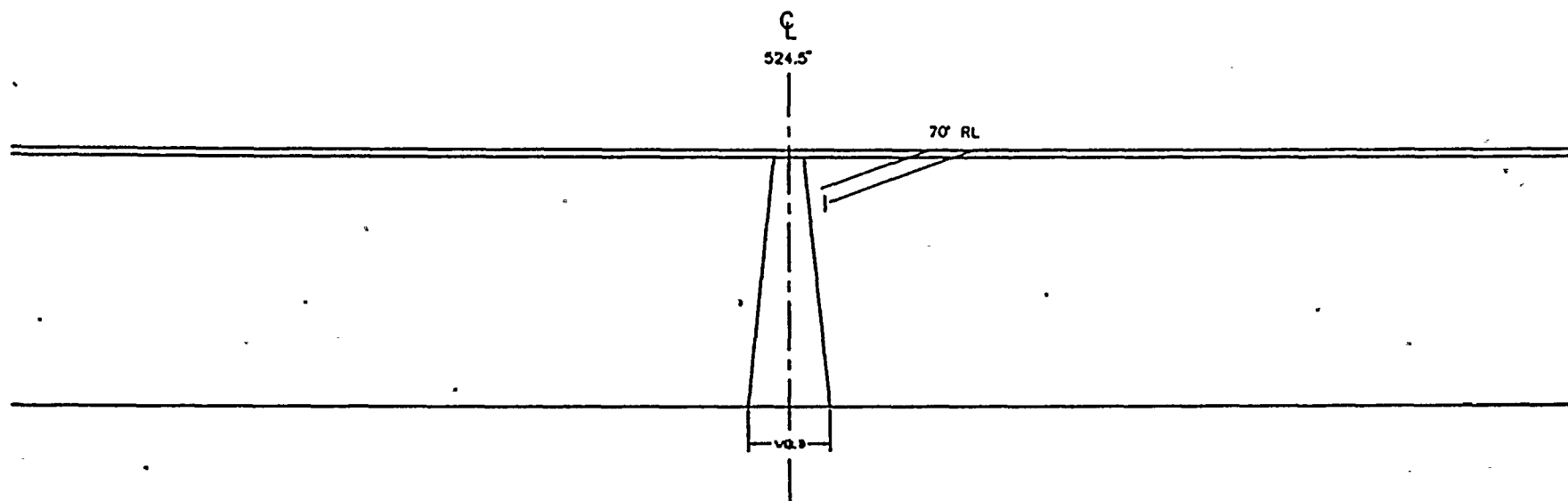
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V-4-B

~~6-1-5~~ RA 11/12/94



Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-015	
Flow "X" location	94.35"
Flow "Y" location	525.43"
Flow Thruwall	.444"
Flow Length	1.75"
"T" Measured	6.53"

AR ENERGY

BROWNS FERRY UNIT 3

WELD C-

ND. 12-015

SCALE: NONE

DWG. BFC34IND

REV. 0



GE Nuclear Energy

GERIS 2000 Examination Summary Sheet

Project: TVA, Browns Ferry Nuclear Plant, Unit 3

System: Reactor Pressure Vessel

Weld ID: C-2-3

ASME Code Category: B-A

Calibration Sheets: C-004

Supporting Data: Examination Data Sheets E-08-00 thru E-08-28, Indication Data Sheets 08-001 thru 08-110, Indication Evaluation Sheets, Screen Prints, Exam Patch Location Map, Exam Coverage Plots and GERIS 2000 Setup Records.

Examination Summary

The ultrasonic examination of weld C-2-3 resulted in two (2) recorded indications that exceed the allowable standards of MWB-3500, ASME Section XI, 1988 Edition, No Addenda.

The ASME Section XI required examination volume was examined with the GERIS 2000 System from the RPV inside surface utilizing Procedure No. GE-UT-700, Rev. 2. This examination was limited due to the core spray downcomers and surveillance specimen brackets. The total examination coverage was calculated to be 80%.

The GERIS 2000 utilizes an array of search units arranged to effectively examine the weld and adjacent base material parallel and perpendicular to the weld axis in two directions. The transducer package consisted of 0° longitudinal, 45° and 60° shear wave, and 70° refracted longitudinal (RL) wave search units.

The two (2) unacceptable indications were recorded and sized in accordance with GE-UT-700, Rev. 2 and GE-UT-701, Rev. 2 with the results tabulated below:

Ind. No.	Oriented	Type	X Pos	Y Pos	Z Pos	"S"	T wall	Length	T Meas	a/l	% a/l Calculated	% a/l Allowed
08-026	circ.	subsurface	198.50"	392.42"	1.77"	1.56"	.41"	1.50"	6.60"	.137	3.11	2.79
08-067	circ.	subsurface	558.25"	392.85"	1.65"	1.47"	.37"	1.50"	6.55"	.123	2.82	2.68

Indication 08-026 was sized with 60° shear wave channel 11 utilizing the PATT technique. This indication was also recorded with 70°RL channel 3 as 08-023 and seen with 45° shear wave channel 7.

Indication 08-067 was sized with 70°RL channel 3 utilizing the PATT technique. This indication was also recorded with 45° shear wave channel 7 as 08-073 and seen with 60° shear wave channel 11.

The GERIS 2000 also recorded indications with the 0° weld metal scans, 70°RL, 45° and 60° shear wave scans that were evaluated and found to be acceptable per the referencing Code section.

No manual supplemental examination was performed from the RPV outside surface due to access restrictions.

Fabrication records and previous examination results were reviewed prior to the completion of this examination summary.

GERIS Analyst: *Leesa Kimball*

GE Reviewer: *R.O. Forman*

LEVEL: *III* DATE: *12-19-93*

LEVEL: *II* DATE: *12-20-93*

UTILITY Review:

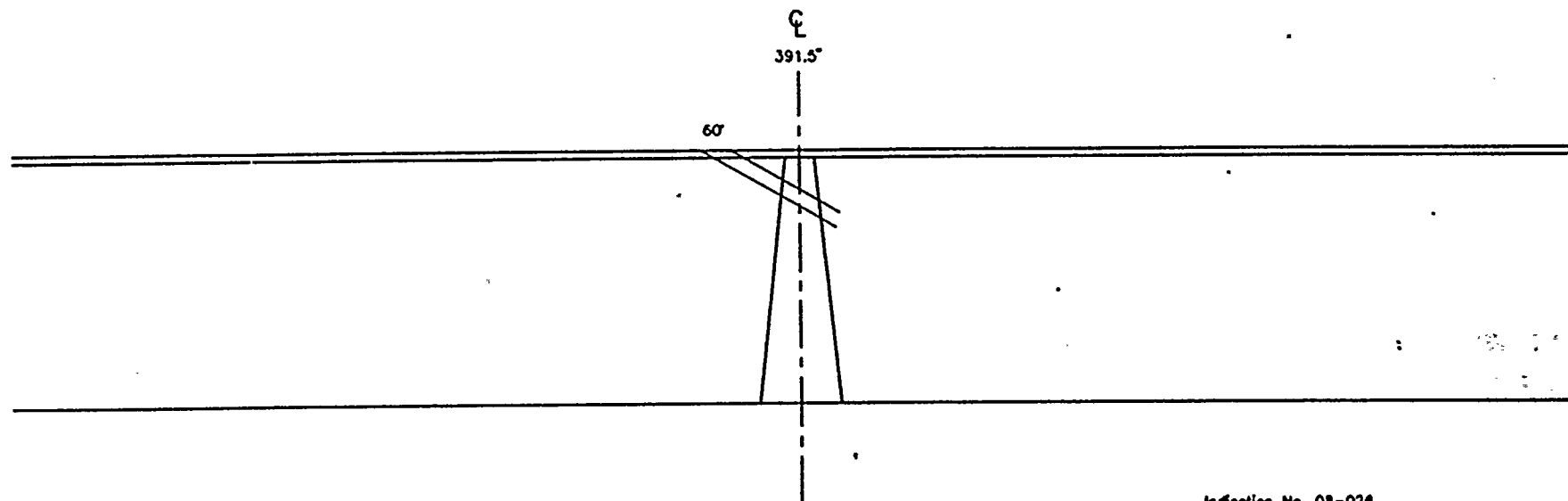
ANII Review:

TITLE: DATE:

TITLE: DATE:

00074

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Indication No. 08-026

Flow "X" location 198.50"
 Flow "Y" location 392.42"
 Flow Thruwall .41"
 Flow Length 1.50"
 "T" Measured 6.60"

Nominal Clad T = 3/16"
 Nominal Base Metal T = 6 3/8"

This indication confirmed with channels 3 and 7

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD C-2-3 Ind. 08-026

SCALE: NONE

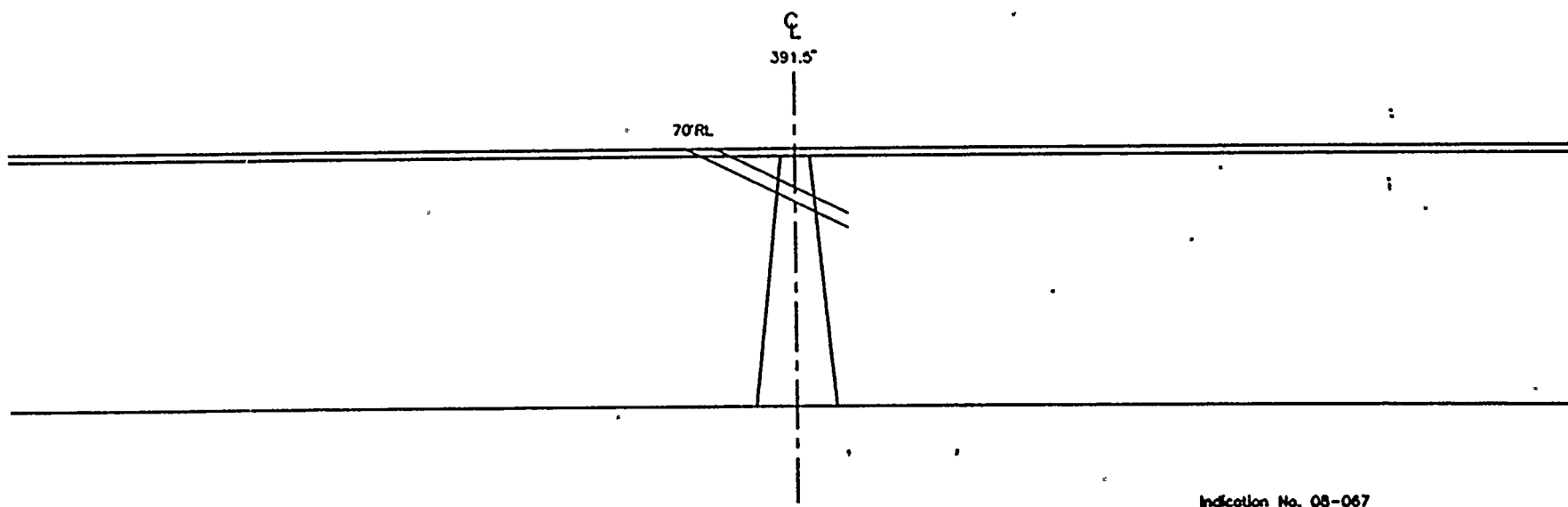
DWG. BF3C23I

REV. 0

00075



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Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication No. 08-067
Flow "X" location 558.25"
Flow "Y" location 392.85"
Flow Thruwall .37"
Flow Length 1.50"
"T" Measured 6.55"

This indication confirmed with channels 7 and 11

000076

GE NUCLEAR ENERGY	BROWNS FERRY UNIT 3	WELD C-2-3 Ind. 08-067	SCALE: NONE	DWG. BF3C231	REV. 0
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GE Nuclear Energy

GERIS 2000 Examination Summary Sheet

Project: TVA, Browns Ferry Nuclear Plant, Unit 3

System: Reactor Pressure Vessel

Weld ID: C-3-4

ASME Code Category: B-A

Calibration Sheets: C-001, C-004, C-115, C-118, and C-117

Supporting Data: Examination Data Sheets E-12-00 thru E-12-15, Indication Data Sheets 12-001 thru 12-163, Indication Evaluation Sheets, Screen Prints, Exam Patch Location Map, Exam Coverage Plots, GERIS 2000 Setup Records and Manual Data Sheets D-034, D-035, D-036, D-037, D-040, D-041, D-044 and D-045.

Examination Summary

The ultrasonic examination of weld C-3-4 resulted in six (6) recorded indications that exceed the allowable standards of IWB-3500, ASME Section XI, 1988 Edition, No Addenda.

The ASME Section XI required examination volume was examined with the GERIS 2000 System from the RPV inside surface utilizing Procedure No. GE-UT-700, Rev. 2. This examination was limited due to the Guide Rods at 0° and 180°. The total examination coverage was calculated to be 97%.

The GERIS 2000 utilizes an array of search units arranged to effectively examine the weld and adjacent base material parallel and perpendicular to the weld axis in two directions. The transducer package consisted of 0° longitudinal, 45° and 60° shear wave, and 70° refracted longitudinal (RL) wave search units.

The six (6) unacceptable indications were recorded and sized in accordance with GE-UT-700, Rev. 2 and GE-UT-701, Rev. 2 with the results tabulated below:

Ind. No.	Oriented	Type	X Pos	Y Pos	Z Pos	"S"	T wall	Length	T Meas	aI	% aI Calculated	% aI Allowed
12-015	circ.	subsurface	94.35°	525.43°	1.16	.75°	.444°	1.75°	6.53°	0.13	3.4	2.71
12-069	circ.	subsurface	424.65°	524.58°	2.30°	1.94°	.34°	1.75°	6.51°	0.10	2.68	2.48
12-116	circ.	subsurface	617.15°	526.14°	3.85°	2.6	.62°	.75°	6.49°	0.21	4.81	3.50
12-144	circ.	subsurface	760.10°	525.11°	.78°	.75°	.325°	2.00°	6.44°	0.10	2.45	2.39
12-145	circ.	subsurface	763.85°	525.68°	.80°	2.40°	.39°	2.40°	6.44°	0.10	3.03	2.39
12-148	circ.	subsurface	771.35°	525.07°	.87°	.43°	.511°	2.75°	6.44°	0.10	3.97	2.46

Indication 12-015 was sized with 70° RL channel 5 utilizing the PATT technique. This indication was also recorded as 12-016 and 12-020. Indication 12-015 was also recorded within the exam volume of weld V-4-B.

Indication 12-069 was sized with 45° shear wave channel 9 utilizing the SPOT technique.

Indication 12-116 and 12-117 is a combined indication in accordance with IWA-3390 and is included in the table above as 12-116. Indication 12-116 and 12-117 were sized with 45° shear wave channel 7 utilizing the SPOT technique.

Indication 12-144 was sized with 70° RL channel 5 utilizing the PATT technique. This indication was also recorded as 12-130, 12-150, and 12-157.

GERIS Analyst: *CF MA*

GE Reviewer: *Reese Kimball*

LEVEL: *III*

DATE: *12/21/93*

LEVEL: *III*

DATE: *12-21-93*

UTILITY Review:

ANII Review:

TITLE:

DATE:

TITLE:

DATE:



GERIS 2000 Examination Summary (Continuation)

Indication 12-145 was sized with 70° RL channel 4 utilizing the PATT technique. This indication was also recorded as 12-131, 12-158, 12-161, 12-162 and 12-163.

Indication 12-148 was sized with 70° RL channel 5 utilizing the PATT technique. This indication was also recorded as 12-132 and 12-160.

The GERIS 2000 also recorded indications with the 0° weld metal scans, 70° RL, 45° and 60° shear wave scans that were evaluated and found to be acceptable per the referencing Code section. Geometric indications from the OD surface, Nozzles N11-A, N11-B and N4-F were recorded with the 45° and 60° shear wave scans.

Selected areas were rescanned using 45° RL search units.

The manual technique utilized 0° longitudinal, 45° and 60° shear wave search units both parallel and perpendicular to the weld axis in two directions to effectively examine the weld and adjacent base material.

No indications were recorded with the manual technique.

Fabrication records and previous examination results were reviewed prior to the completion of this examination summary.

524.5

70 RL

Indication 12-015	
Flow "X" location	94.35"
Flow "Y" location	525.45"
Flow Thruwall	.446"
Flow Length	1.75"
"T" Measured	6.53"

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C-3-4

524.5"

45°

VAL

Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-069	
Flow "X" location	424.65"
Flow "Y" location	524.58"
Flow Thruwall	.34"
Flow Length	1.75"
"T" Measured	6.51"

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD C-3-4 IND. 12-069

SCALE: NONE

DWG. BFC34IND

REV. 0



0000 0000 0000

C-3-4

CL

524.5"

45° 45°

12-116

12-117

0.9"

Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-116 Combined

Flow "X" location 617.15"

Flow "Y" location 526.14"

Flow Thruwall .62"

Flow Length .75"

"T" Measured 6.49"

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD C-3-4 IND. 12-116

SCALE: NONE

DWG. BFC34IND

REV. 0

* 00081

C-3-4

524.5"

70° RL

0.9"

Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-144	
Flaw "X" location	760.10"
Flaw "Y" location	525.11"
Flaw Thruwall	.325"
Flaw Length	2.00"
"T" Measured	6.44"

C-3-4

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD ~~C-4-5~~ IND. 12-144

SCALE: NONE

DWG. BFC34IND

REV. 0

RB 1/12/94



C-3-4

524.5"

70° RL Rework

0.9"

Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-145

Flow "X" location 763.65"

Flow "Y" location 525.68"

Flow Thruwall .38"

Flow Length 2.40"

"T" Measured 6.44"

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD C-3-4 IND. 12-145

SCALE: NONE

DWG. BFC34IND

REV. 0

C-3-4

524.5"

70° RL

6.8"

Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 12-148	
Flow "X" location	771.35"
Flow "Y" location	525.07"
Flow Thruwall	.511"
Flow Length	2.75"
"T" Measured	6.44"

GE NUCLEAR ENERGY

BROWNS FERRY UNIT 3

WELD C-3-4 IND. 12-148

SCALE: NONE

DWG. BFC34IND

REV. 0

0000 0000 0000

00084





GE Nuclear Energy

GERIS 2000 Examination Summary Sheet

Project: TVA, Browns Ferry Nuclear Plant, Unit 3

System: Reactor Pressure Vessel

Weld ID: C-4-5

ASME Code Category: B-A

Calibration Sheets: C-001, C-004

Supporting Data: Examination Data Sheets E-16-00 thru E-16-12, Indication Data Sheets 16-001 thru 16-094, Indication Evaluation Sheets, Screen Prints, Exam Patch Location Map, Exam Coverage Plots and GERIS 2000 Setup Records.

Examination Summary

The ultrasonic examination of weld C-4-5 resulted in two (2) recorded indications that exceed the allowable standards of MWB-3500, ASME Section XI, 1986 Edition, No Addenda.

The ASME Section XI required examination volume was examined with the GERIS 2000 System from the RPV inside surface utilizing Procedure No. GE-UT-700, Rev. 2. This examination was limited due to the Guide Rods at 0° and 180°. The total examination coverage was calculated to be 93%.

The GERIS 2000 utilizes an array of search units arranged to effectively examine the weld and adjacent base material parallel and perpendicular to the weld axis in two directions. The transducer package consisted of 0° longitudinal, 45° and 60° shear wave, and 70° refracted longitudinal (RL) wave search units.

The two (2) unacceptable indications were recorded and sized in accordance with GE-UT-700, Rev. 2 and GE-UT-701, Rev. 2 with the results tabulated below:

Ind. No.	Oriented	Type	X Pos	Y Pos	Z Pos	"S"	T wall	Length	T Meas	a/l	% a/l Calculated	% a/l Allowed
16-075	circ.	subsurface	603.30"	574.70"	3.17"	2.83"	.30"	2.75"	6.6"	.055	2.27	2.23
16-076	circ.	subsurface	617.50"	574.05"	3.85"	2.53"	.44"	1.50"	6.6"	.147	3.33	2.87

Indication 16-075 was sized with 60° shear wave channel 13 utilizing the SPOT technique. This indication was also recorded with 45° shear wave channel 9 as 16-072.

Indication 16-076 was sized with 60° shear wave channel 13 utilizing the SPOT technique. This indication was also recorded with 45° shear wave channel 9 as 16-074.

The GERIS 2000 also recorded indications with the 0° weld metal scans, 70° RL, 45° and 60° shear wave scans that were evaluated and found to be acceptable per the referencing Code section. Geometric indications from the stabilizer brackets were recorded with the 0° weld metal, 45° and 60° shear wave scans. Geometric indications from the OD surface were recorded with the 45° shear wave scans.

No manual supplemental examination was performed from the RPV outside surface due to access restrictions.

Fabrication records and previous examination results were reviewed prior to the completion of this examination summary.

GERIS Analyst: *Q. M. E.*

GE Reviewer: *R.D. Fournier*

LEVEL: *III*

DATE: *12/20/93*

LEVEL: *II*

DATE: *12-20-93*

UTILITY Review:

ANII Review:

TITLE:

DATE:

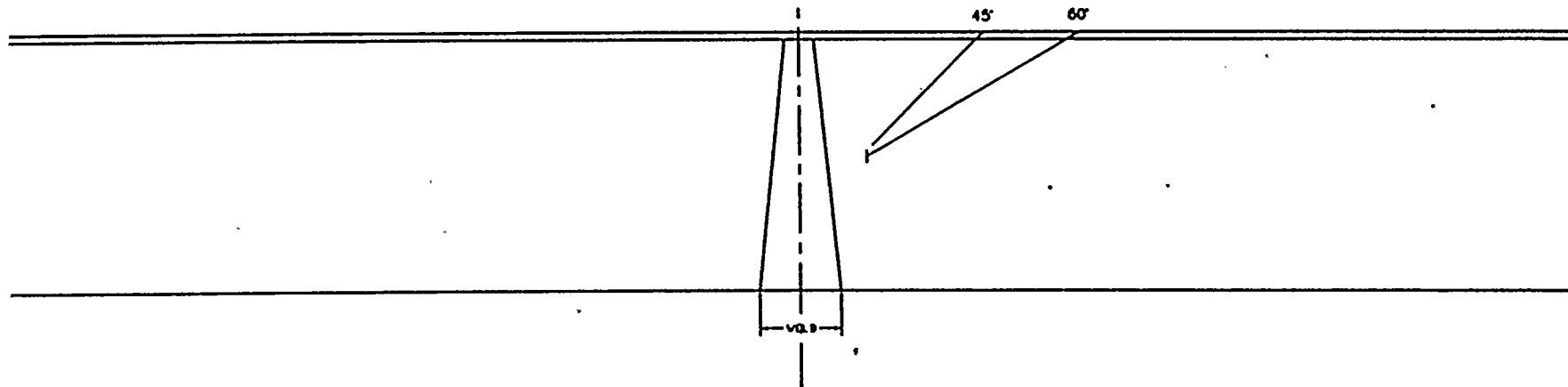
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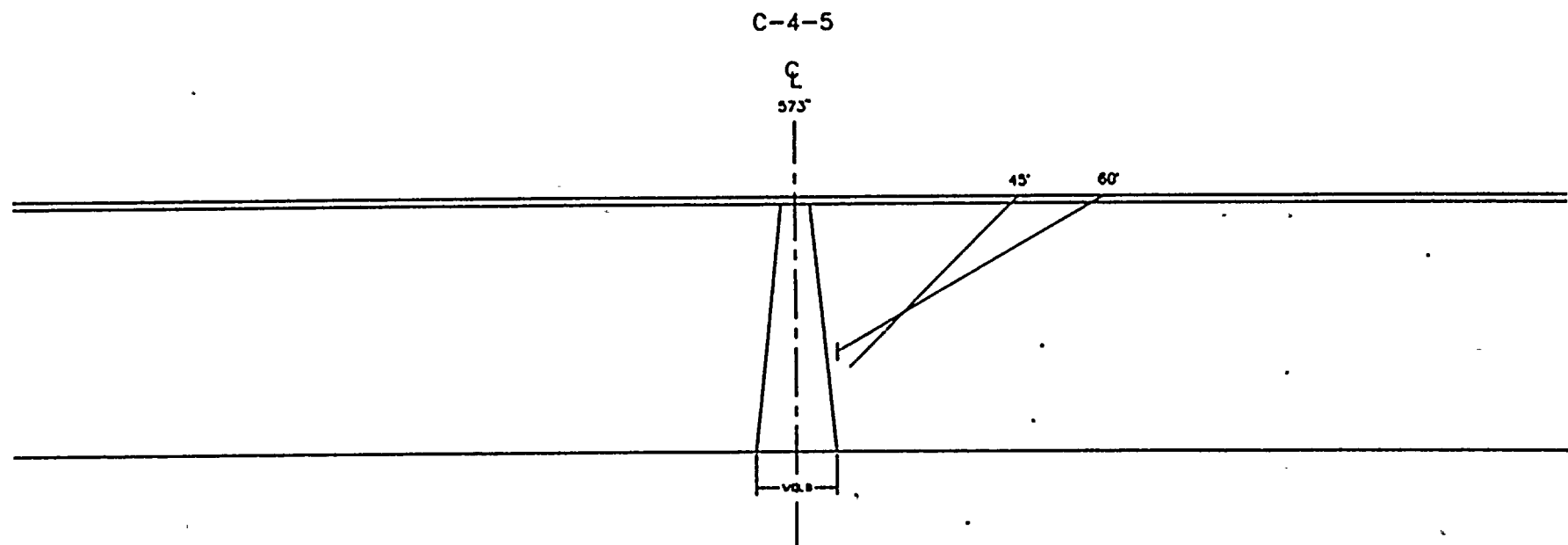
575



Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"



0000 0000 0000



Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication 16-076
Flow "X" location is 617.50"
Flow "Y" location is 574.05"
TW - 0.44"
LENGTH 1.50"
T MEASURED 6.60"

00087

GE NUCLEAR ENERGY	BROWNS FERRY UNIT 3	WELD C-4-5 IND. 16-076	SCALE: NONE	DWG. BFC45IND	REV. 0
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GE Nuclear Energy

GERIS 2000 Examination Summary Sheet

Project: TVA, Browns Ferry Nuclear Plant, Unit 3

System: Reactor Pressure Vessel

Weld ID: C-5-FLG

ASME Code Category: B-A

Calibration Sheets: C-001, C-104, C-107, C-108 and C-109

Supporting Data: Examination Data Sheets E-20-00 and E-20-12, Indication Data Sheets 20-001 thru 20-110, G-115 and G-116, Indication Evaluation Sheets, Screen Prints, Exam Patch Location Map, Exam Coverage Plots, GERIS 2000 Setup Records and Manual Examination Data Sheets D-001, D-002, D-007, D-008, D-009 and D-010.

Examination Summary

The ultrasonic examination of weld C-5-FLG resulted in five (5) recorded indications that exceed the allowable standards of IWB-3500, ASME Section XI, 1986 Edition, No Addenda.

The ASME Section XI required examination volume was examined with the GERIS 2000 System from the RPV inside surface utilizing Procedure No. GE-UT-700, Rev. 2. This examination was limited due to a clad patch at 30°, the Guide Rods at 0° and 180° and four (4) Main Steam plug lines at 74°, 110°, 250°, and 286°. Areas that could not be examined using the GERIS 2000 and accessible from the outside were examined with the manual technique utilizing Procedure No. GE-UT-300 Rev. 6, FRR-004. The total examination coverage was calculated to be 82%.

The GERIS 2000 utilizes an array of search units arranged to effectively examine the weld and adjacent base material parallel and perpendicular to the weld axis in two directions. The transducer package consisted of 0° longitudinal, 45° and 60° shear wave, and 70° refracted longitudinal (RL) wave search units.

The five (5) unacceptable indications were recorded and sized in accordance with GE-UT-700, Rev. 2 and GE-UT-701, Rev. 2 with the results tabulated below:

Ind. No.	Oriented	Type	X Pos	Y Pos	Z Pos	"S"	T wall	Length	T Meas	a/l	% a/l Calculated	% a/l Allowed
20-007	circ.	subsurface	83.90"	706.42"	1.01"	.82"	.40"	3.25"	6.54"	.061	3.05	2.27
20-008	circ.	subsurface	88.40"	706.44"	1.02"	.83"	.39"	1.50"	6.55"	.130	2.98	2.74
20-009	circ.	subsurface	95.90"	706.44"	1.03"	.84"	.38"	2.25"	6.59"	.085	2.91	2.41
20-011	circ.	subsurface	100.90"	706.37"	1.23"	1.04"	.39"	1.75"	6.62"	.111	2.92	2.58
20-012	circ.	subsurface	116.90"	706.40"	1.14"	.95"	.48"	1.50"	6.87"	.159	3.47	2.97

Indication 20-007 was sized with the 70°RL channel 3 utilizing the PATT technique. This indication was also recorded with 70°RL channel 5 as 20-016.

Indication 20-008 was sized with the 70°RL channel 3 utilizing the PATT technique. This indication was also recorded with 45° shear wave channel 7 as 20-022.

Indication 20-009 was sized with the 70°RL channel 3 utilizing the PATT technique. This indication was also recorded with 70°RL channel 5 as 20-017, 45° shear wave channels 7 as 20-023 and 9 as 20-027.

Indication 20-011 was sized with the 70°RL channel 3 utilizing the PATT technique. This indication was also recorded with 70°RL channel 5 as 20-018.

GERIS Analyst:

Debra Kimball

GE Reviewer:

C. J. Mc

LEVEL:

III

DATE: 12-21-93

LEVEL:

III

DATE: 12/21/93

UTILITY Review:

ANII Review:

TITLE:

DATE:

TITLE:

DATE:



GERIS 2000 Examination Summary (Continuation)

Indication 20-012 was sized with the 70°RL channel, 3 utilizing the PATT technique. This indication was also recorded with 45° shear wave channel 7 as 20-024.

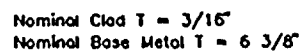
The GERIS 2000 also recorded indications with the 0° weld metal scans, 70°RL, 45° and 60° shear wave scans that were evaluated and found to be acceptable per the referencing Code section. Geometric indications from the flange radius were recorded with the 45° and 60° shear wave scans.

The manual technique utilized 0° longitudinal, 45° and 60° shear wave search units both parallel and perpendicular to the weld axis in two directions to effectively examine the weld and adjacent base materials.

No indications were recorded with the manual technique.

Fabrication records and previous examination results were reviewed prior to the completion of this examination summary.

06030

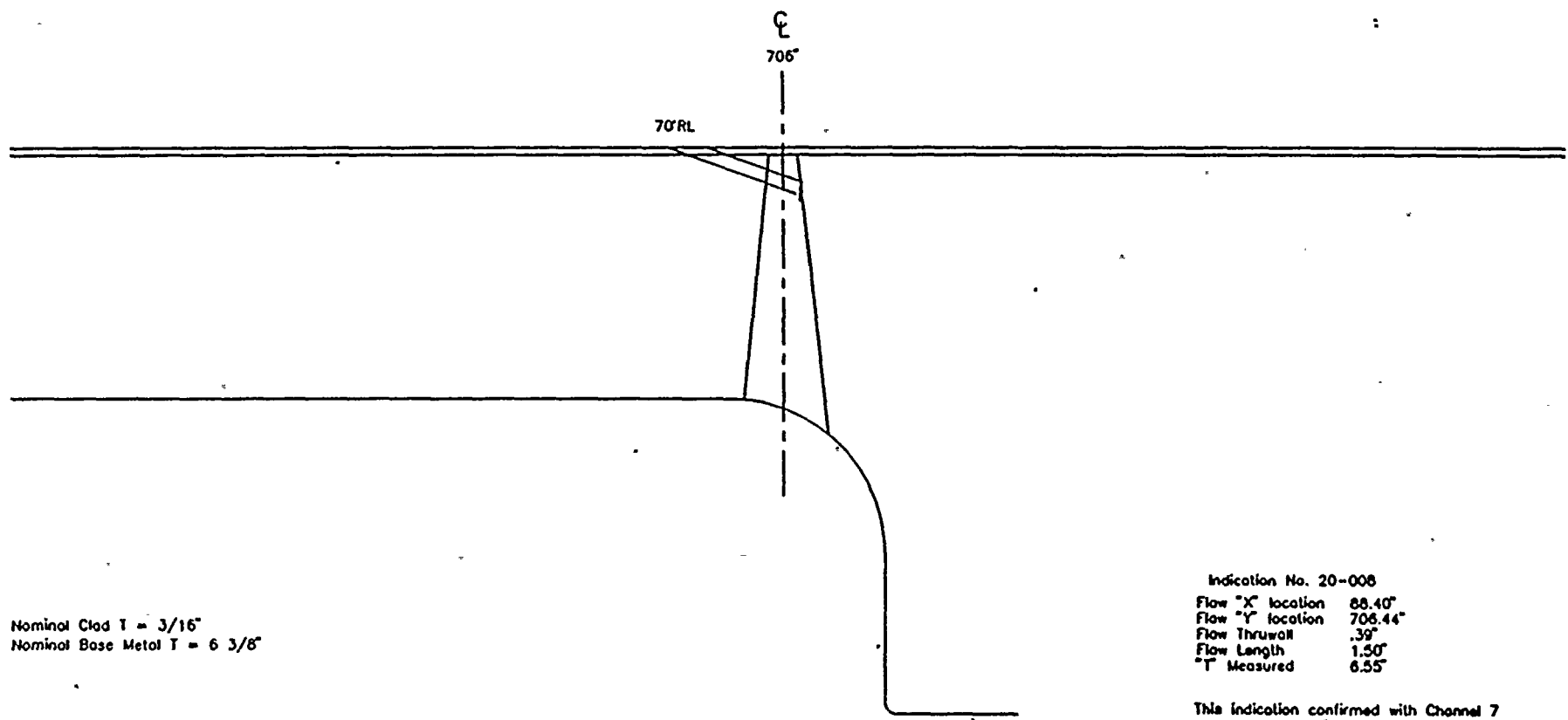


This indication confirmed with Channel 5



16000

00000 00000 00000



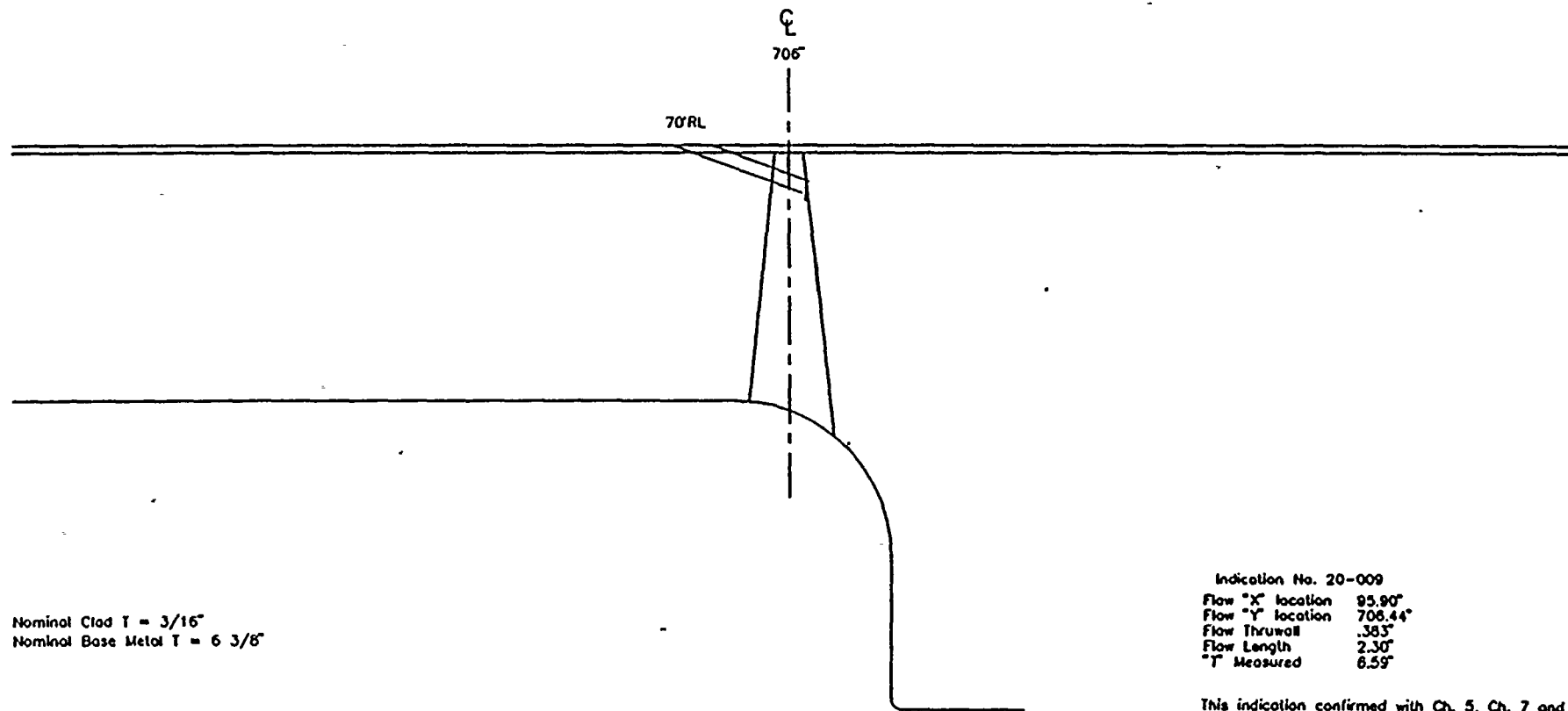
Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication No. 20-008
Flow "X" location 88.40"
Flow "Y" location 706.44"
Flow Thruwall .39"
Flow Length 1.50"
"T" Measured 6.55"

This indication confirmed with Channel 7



20-009 00000 00000



Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

Indication No. 20-009
Flow "X" location 95.90"
Flow "Y" location 706.44"
Flow Thruwall .383"
Flow Length 2.30"
"T" Measured 6.59"

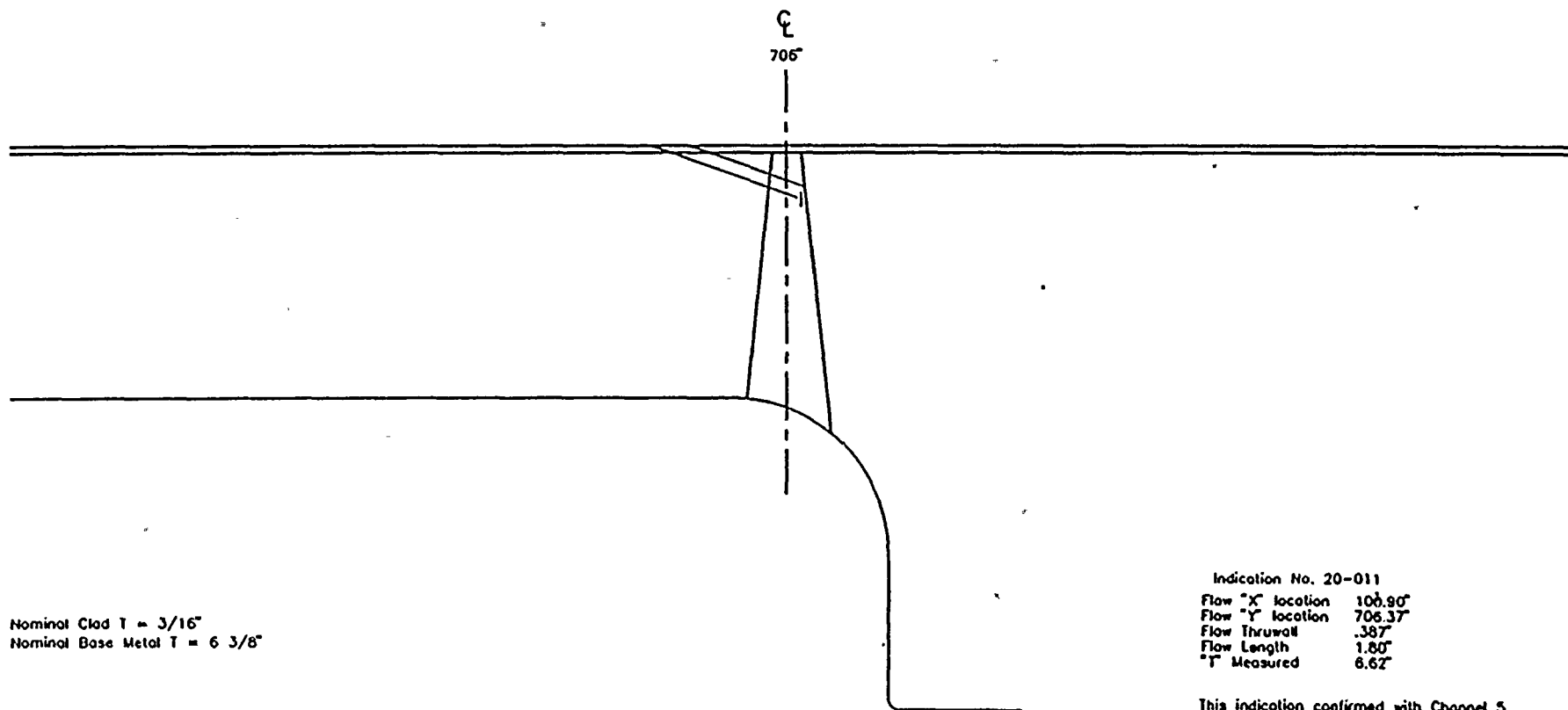
This indication confirmed with Ch. 5, Ch. 7 and Ch. 9

20052

GE NUCLEAR ENERGY	BROWNS FERRY UNIT 3	WELD C-5-FLG INDICATION 20-009	SCALE: NONE	DWG. BF3C5FI	REV. 0
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00000 00000 00000



Nominal Clad T = 3/16"
Nominal Base Metal T = 6 3/8"

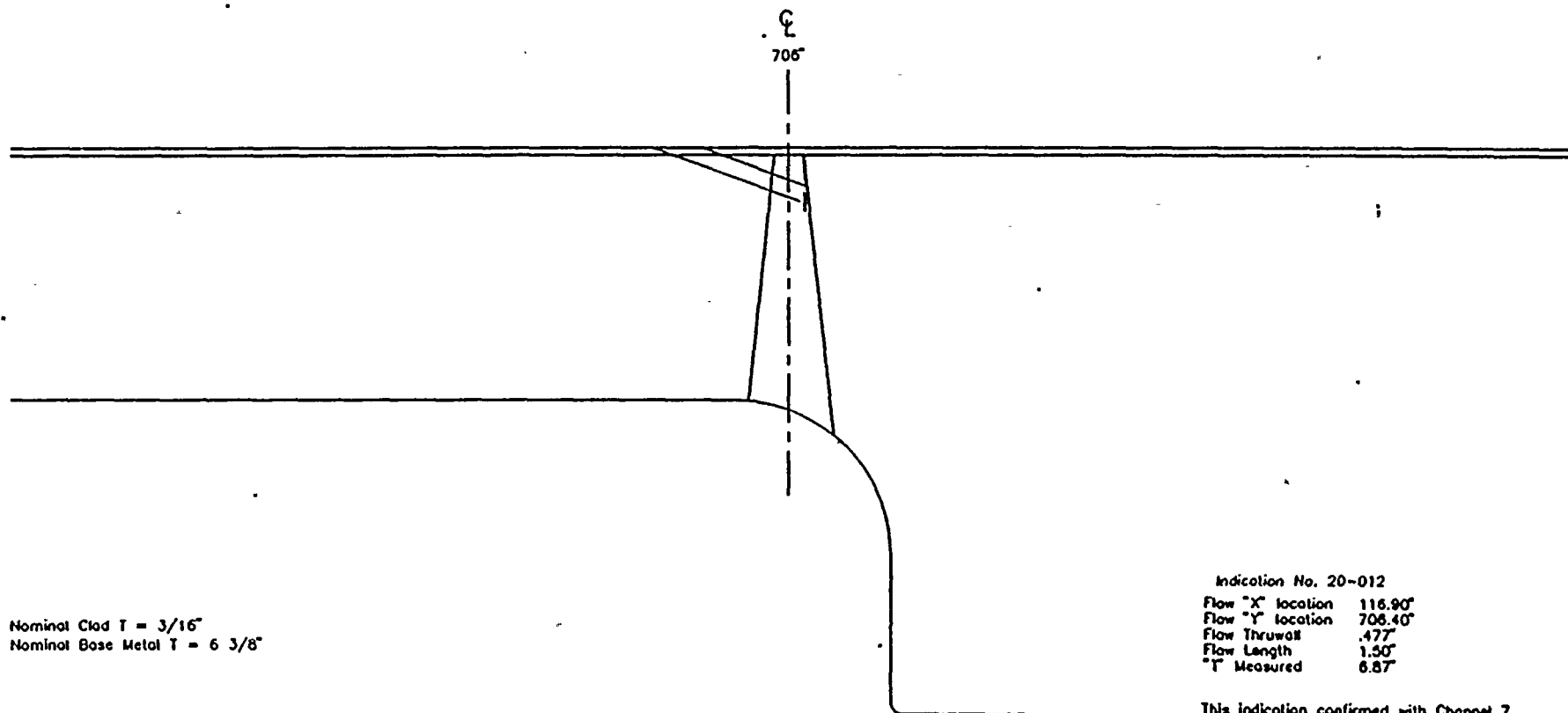
Indication No. 20-011
Flow "X" location 100.90"
Flow "Y" location 706.37"
Flow Thruwall .387"
Flow Length 1.80"
"I" Measured 6.62"

This indication confirmed with Channel 5

00093

GE NUCLEAR ENERGY	BROWNS FERRY UNIT 3	WELD C-5-FLG INDICATION 20-011	SCALE: NONE	DWG. BF3C5FI	REV. 0
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WELD C-5-FLG INDICATION 20-012



Nominal Clad T = 3/16"
 Nominal Base Metal T = 6 3/8"

Indication No. 20-012
 Flow "X" location 116.90"
 Flow "Y" location 706.40"
 Flow Thruwall .477"
 Flow Length 1.50"
 "T" Measured 6.87"

This indication confirmed with Channel 7

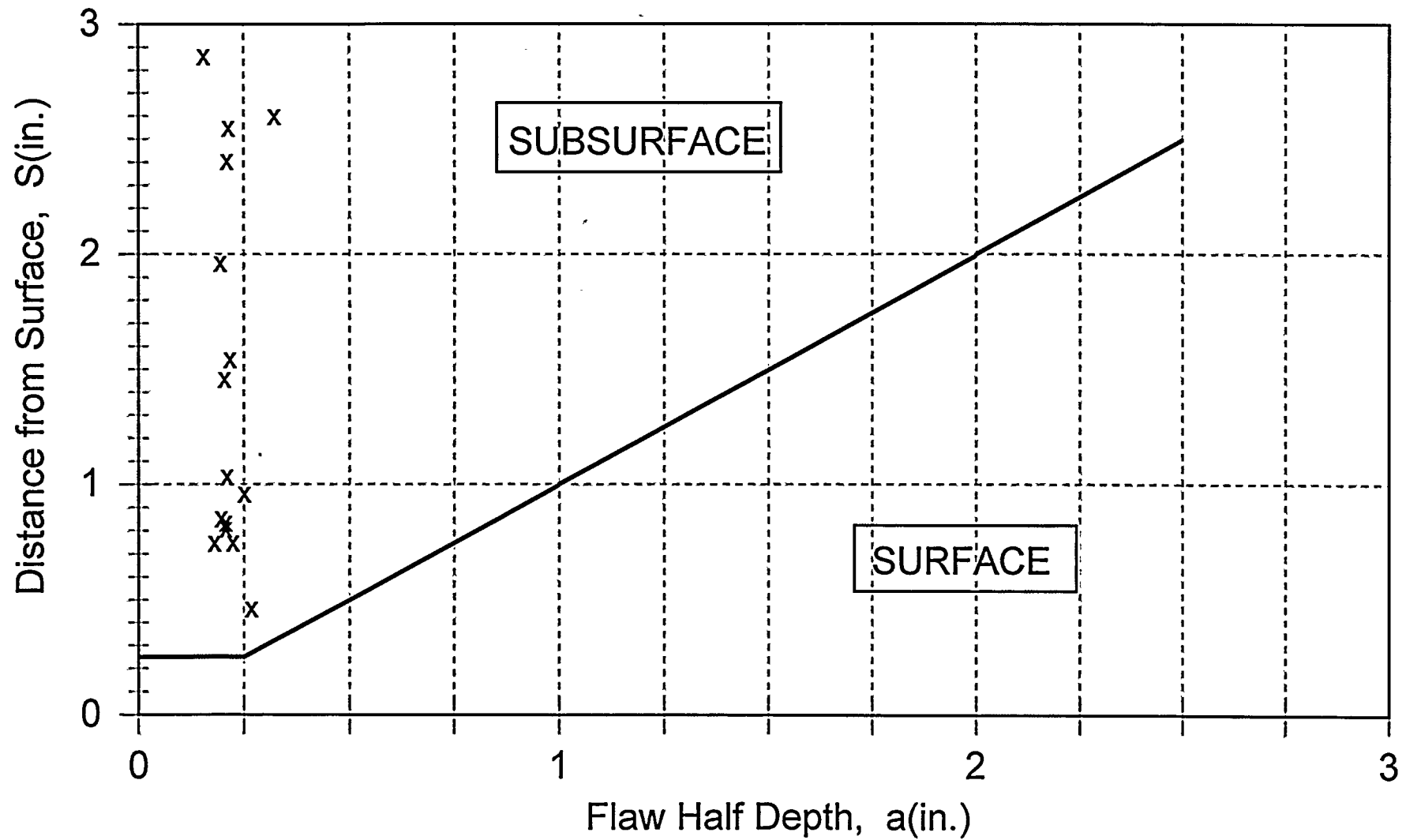
**REQUEST FOR RELIEF 3-ISI-1
(SECOND INTERVAL)
ATTACHMENT 2**

**SURFACE PROXIMITY PLOT
IN ACCORDANCE WITH
PROPOSED ASME CODE CASE N-526**



Successive Examination

Surface Proximity Rule



"X" Represents the recorded flaw data for BFN Unit 3 RPV shell welds



**PRINTOUT OF ASME SECTION XI
CLASS 1, 2, AND 3 EQUIVALENT COMPONENTS**



LEGEND

System	System abbreviation
Compno	Component identifier
Exammeth	Examination method
Prisimexreq	Examination requirement (89E-02 = 1989 Edition 2nd interval)
Codecat	Code Category
Itemno	Item Number
Exint2per	Examination interval 2 period (period examination is scheduled)
Isidwgno	ISI drawing number
Shno	Sheet number



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	C-1-2	UT	89E-02	B-A	B 1.11	3	ISI-0220-C	01
RPV	C-2-3	UT	89E-02	B-A	B 1.11	3	ISI-0220-C	01
RPV	C-3-4	UT	89E-02	B-A	B 1.11	3	ISI-0220-C	01
	C-4-5	UT	89E-02	B-A	B 1.11	3	ISI-0220-C	01
	C-BH-1	UT	89E-02	B-A	B 1.11	3	ISI-0220-C	01
RPV	V-1-A	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-1-B	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-1-C	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-2-A	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-2-B	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-2-C	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-3-A	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-3-B	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-3-C	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-4-A	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-4-B	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-4-C	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-5-A	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-5-B	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	V-5-C	UT	89E-02	B-A	B 1.12	3	ISI-0220-C	01
RPV	C-S-BH	UT	89E-02	B-A	B 1.21	n/a	ISI-0445-C	01
RPV	C-S-LH	UT	89E-02	B-A	B 1.21	n/a	ISI-0445-C	01
RPV	RCH-3-1C	UT	89E-02	B-A	B 1.21	3	ISI-0295-A	01
RPV	RCH-3-1V	UT	89E-02	B-A	B 1.22	1	ISI-0295-A	01
RPV	RCH-3-2V	UT	89E-02	B-A	B 1.22	1	ISI-0295-A	01
RPV	RCH-3-3V	UT	89E-02	B-A	B 1.22	2	ISI-0295-A	01
RPV	RCH-3-4V	UT	89E-02	B-A	B 1.22	2	ISI-0295-A	01
	RCH-3-5V	UT	89E-02	B-A	B 1.22	3	ISI-0295-A	01
	RCH-3-6V	UT	89E-02	B-A	B 1.22	3	ISI-0295-A	01
RPV	V-BH-1	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-10	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-2	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-3	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-4	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-5	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-6	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-7	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-8	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	V-BH-9	UT	89E-02	B-A	B 1.22	n/a	ISI-0445-C	01
RPV	C-5-FLG	UT	89E-02	B-A	B 1.30	3	ISI-0220-C	01
RPV	RCH-3-2C	UT	89E-02	B-A	B 1.40	2	ISI-0295-A	01
RPV	RCH-3-2C-FLEX	PT	89E-02	B-A	B 1.40	2	ISI-0295-A	01
RPV	REPAIR WELD	UT	89E-02	B-A	B 1.51	n/a	ISI-0220-C	01
RPV	N 10-IR	UT	89E-02	B-D	B 3.100	1	ISI-0445-C	01
RPV	N 1A-IR	UT	89E-02	B-D	B 3.100	1	ISI-0328-C	01
RPV	N 1B-IR	UT	89E-02	B-D	B 3.100	2	ISI-0328-C	02
RPV	N 2A-IR	UT	89E-02	B-D	B 3.100	2	ISI-0328-C	02
RPV	N 2B-IR	UT	89E-02	B-D	B 3.100	1	ISI-0328-C	02
RPV	N 2C-IR	UT	89E-02	B-D	B 3.100	2	ISI-0328-C	02
RPV	N 2D-IR	UT	89E-02	B-D	B 3.100	1	ISI-0328-C	02
RPV	N 2E-IR	UT	89E-02	B-D	B 3.100	2	ISI-0328-C	02
RPV	N 2F-IR	UT	89E-02	B-D	B 3.100	3	ISI-0328-C	01
	N 2G-IR	UT	89E-02	B-D	B 3.100	3	ISI-0328-C	01
	N 2H-IR	UT	89E-02	B-D	B 3.100	3	ISI-0328-C	01
RPV	N 2J-IR	UT	89E-02	B-D	B 3.100	3	ISI-0328-C	01
RPV	N 2K-IR	UT	89E-02	B-D	B 3.100	3	ISI-0328-C	01
RPV	N 3A-IR	UT	89E-02	B-D	B 3.100	2	ISI-0329-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	N 3B-IR	UT	89E-02	B-D	B 3.100	1	ISI-0329-C	02
RPV	N 3C-IR	UT	89E-02	B-D	B 3.100	3	ISI-0329-C	02
RPV	N 3D-IR	UT	89E-02	B-D	B 3.100	3	ISI-0329-C	01
	N 4A-IR	UT	89E-02	B-D	B 3.100	2	ISI-0327-C	01
	N 4B-IR	UT	89E-02	B-D	B 3.100	1	ISI-0327-C	01
RPV	N 4C-IR	UT	89E-02	B-D	B 3.100	1	ISI-0327-C	01
RPV	N 4D-IR	UT	89E-02	B-D	B 3.100	3	ISI-0327-C	01
RPV	N 4E-IR	UT	89E-02	B-D	B 3.100	3	ISI-0327-C	01
RPV	N 4F-IR	UT	89E-02	B-D	B 3.100	2	ISI-0327-C	01
RPV	N 5A-IR	UT	89E-02	B-D	B 3.100	1	ISI-0331-C	01
RPV	N 5B-IR	UT	89E-02	B-D	B 3.100	2	ISI-0331-C	01
RPV	N 6A-IR	UT	89E-02	B-D	B 3.100	1	ISI-0295-A	01
RPV	N 6B-IR	UT	89E-02	B-D	B 3.100	3	ISI-0295-A	01
RPV	N 7-IR	UT	89E-02	B-D	B 3.100	2	ISI-0295-A	01
RPV	N 8A-IR	UT	89E-02	B-D	B 3.100	1	ISI-0411-C	01
RPV	N 8B-IR	UT	89E-02	B-D	B 3.100	3	ISI-0411-C	01
RPV	N 9-IR	UT	89E-02	B-D	B 3.100	2	ISI-0220-C	01
RPV	N 10	UT	89E-02	B-D	B 3.90	1	ISI-0445-C	01
RPV	N 1A	UT	89E-02	B-D	B 3.90	1	ISI-0328-C	01
RPV	N 1B	UT	89E-02	B-D	B 3.90	2	ISI-0328-C	02
RPV	N 2A	UT	89E-02	B-D	B 3.90	2	ISI-0328-C	02
RPV	N 2B	UT	89E-02	B-D	B 3.90	1	ISI-0328-C	02
RPV	N 2C	UT	89E-02	B-D	B 3.90	2	ISI-0328-C	02
RPV	N 2D	UT	89E-02	B-D	B 3.90	1	ISI-0328-C	02
RPV	N 2E	UT	89E-02	B-D	B 3.90	2	ISI-0328-C	02
RPV	N 2F	UT	89E-02	B-D	B 3.90	3	ISI-0328-C	01
RPV	N 2G	UT	89E-02	B-D	B 3.90	3	ISI-0328-C	01
	N 2H	UT	89E-02	B-D	B 3.90	3	ISI-0328-C	01
	N 2J	UT	89E-02	B-D	B 3.90	3	ISI-0328-C	01
	N 2K	UT	89E-02	B-D	B 3.90	3	ISI-0328-C	01
RPV	N 3A	UT	89E-02	B-D	B 3.90	2	ISI-0329-C	01
RPV	N 3B	UT	89E-02	B-D	B 3.90	1	ISI-0329-C	02
RPV	N 3C	UT	89E-02	B-D	B 3.90	3	ISI-0329-C	02
RPV	N 3D	UT	89E-02	B-D	B 3.90	3	ISI-0329-C	01
RPV	N 4A	UT	89E-02	B-D	B 3.90	2	ISI-0327-C	01
RPV	N 4B	UT	89E-02	B-D	B 3.90	1	ISI-0327-C	01
RPV	N 4C	UT	89E-02	B-D	B 3.90	1	ISI-0327-C	01
RPV	N 4D	UT	89E-02	B-D	B 3.90	3	ISI-0327-C	01
RPV	N 4E	UT	89E-02	B-D	B 3.90	3	ISI-0327-C	01
RPV	N 4F	UT	89E-02	B-D	B 3.90	2	ISI-0327-C	01
RPV	N 5A	UT	89E-02	B-D	B 3.90	1	ISI-0331-C	01
RPV	N 5B	UT	89E-02	B-D	B 3.90	2	ISI-0331-C	01
RPV	N 6A	UT	89E-02	B-D	B 3.90	1	ISI-0295-A	01
RPV	N 6B	UT	89E-02	B-D	B 3.90	3	ISI-0295-A	01
RPV	N 7	UT	89E-02	B-D	B 3.90	2	ISI-0295-A	01
RPV	N 8A	UT	89E-02	B-D	B 3.90	1	ISI-0411-C	01
RPV	N 8B	UT	89E-02	B-D	B 3.90	3	ISI-0411-C	01
RPV	N 9	UT	89E-02	B-D	B 3.90	2	ISI-0220-C	01
RPV	N11A	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
RPV	N11B	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
RPV	N12A	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
RPV	N12B	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
	N16A	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
	N16B	VT-2	89E-02	B-E	B 4.11	3	ISI-0220-C	01
RPV	CRDN-3-0219	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0223	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0227	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDN-3-0231	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0235	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0239	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-0243	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-0615	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0619	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0623	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0627	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0631	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0635	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0639	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0643	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-0647	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1011	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1015	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1019	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1023	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1027	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1031	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1035	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1039	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1043	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1047	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1051	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1407	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1411	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1415	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1419	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-1423	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-1427	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1431	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1435	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1439	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1443	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1447	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1451	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1455	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1803	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1807	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1811	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1815	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1819	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1823	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1827	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1831	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1835	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1839	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1843	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1847	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1851	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1855	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-1859	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-2203	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-2207	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2211	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2215	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2219	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDN-3-2223	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2227	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2231	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-2235	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-2239	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2243	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2247	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2251	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2255	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2259	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2603	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2607	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2611	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2615	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2619	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2623	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2627	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2631	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2635	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2639	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2643	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2647	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2651	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2655	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-2659	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3003	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3007	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3011	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3015	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3019	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3023	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3027	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3031	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3035	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3039	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3043	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3047	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3051	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3055	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3059	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3403	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3407	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3411	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3415	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3419	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3423	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3427	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3431	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3435	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3439	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3443	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3447	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3451	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3455	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3459	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3803	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3807	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01



1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDN-3-3811	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3815	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3819	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3823	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-3827	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3831	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3835	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3839	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3843	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3847	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3851	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3855	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-3859	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4203	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4207	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4211	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4215	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4219	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4223	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4227	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4231	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4235	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4239	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4243	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4247	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4251	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4255	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4259	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-4607	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-4611	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4615	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4619	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4623	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4627	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4631	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4635	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4639	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4643	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4647	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4651	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-4655	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5011	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5015	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5019	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5023	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5027	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5031	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5035	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5039	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5043	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5047	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5051	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-5415	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-5419	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5423	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5427	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5431	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDN-3-5435	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5439	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5443	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-5447	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
	CRDN-3-5819	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5823	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5827	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5831	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5835	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5839	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	CRDN-3-5843	VT-2	89E-02	B-E	B 4.12	3	ISI-0293-C	01
RPV	FLUXMON-3-01	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-02	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-03	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-04	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-05	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-06	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-07	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-08	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-09	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-10	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-11	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-12	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-13	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-14	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-15	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-16	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
	FLUXMON-3-17	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
	FLUXMON-3-18	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-19	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-20	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-21	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-22	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-23	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-24	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-25	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-26	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-27	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-28	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-29	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-30	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-31	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-32	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-33	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-34	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-35	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-36	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-37	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-38	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-39	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-40	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-41	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
	FLUXMON-3-42	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
	FLUXMON-3-43	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-44	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-45	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-46	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	FLUXMON-3-47	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-48	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-49	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-50	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-51	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-52	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-53	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-54	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	FLUXMON-3-55	VT-2	89E-02	B-E	B4.13	3	ISI-0293-C	02
RPV	N1A-SE	PT&UT	89E-02	B-F	B 5.10	1	ISI-0328-C	01
RPV	N1B-SE	PT&UT	89E-02	B-F	B 5.10	2	ISI-0328-C	02
RPV	RCRD-3-33	PT&UT	89E-02	B-F	B 5.10	2	ISI-0332-C	02
RPV	RWR-3-001-G001	PT&UT	89E-02	B-F	B 5.10	3	ISI-0328-C	01
RPV	RWR-3-001-G004	PT&UT	89E-02	B-F	B 5.10	3	ISI-0328-C	01
RPV	RWR-3-001-G007	PT&UT	89E-02	B-F	B 5.10	3	ISI-0328-C	01
RPV	RWR-3-001-G010	PT&UT	89E-02	B-F	B 5.10	3	ISI-0328-C	01
RPV	RWR-3-001-G013	PT&UT	89E-02	B-F	B 5.10	3	ISI-0328-C	01
RPV	RWR-3-002-G001	PT&UT	89E-02	B-F	B 5.10	2	ISI-0328-C	02
RPV	RWR-3-002-G004	PT&UT	89E-02	B-F	B 5.10	1	ISI-0328-C	02
RPV	RWR-3-002-G007	PT&UT	89E-02	B-F	B 5.10	2	ISI-0328-C	02
RPV	RWR-3-002-G010	PT&UT	89E-02	B-F	B 5.10	1	ISI-0328-C	02
RPV	RWR-3-002-G013	PT&UT	89E-02	B-F	B 5.10	2	ISI-0328-C	02
RPV	RWR-3-003-G001	PT&UT	89E-02	B-F	B 5.10	1	ISI-0411-C	01
RPV	RWR-3-003-G050	PT&UT	89E-02	B-F	B 5.10	3	ISI-0411-C	01
RPV	TCS-3-401	PT&UT	89E-02	B-F	B 5.10	2	ISI-0331-C	01
RPV	TCS-3-417	PT&UT	89E-02	B-F	B 5.10	1	ISI-0331-C	01
RPV	RPV-NUTS-3-01	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-02	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-03	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-04	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-05	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-06	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-07	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-08	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-09	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-10	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-11	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-12	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-13	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-14	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-15	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-16	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-17	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-18	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-19	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-20	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-21	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-22	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-23	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-24	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-25	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-26	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-27	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-28	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-29	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-30	MT	89E-02	B-G-1	B 6.10	1	ISI-0267-C	01
RPV	RPV-NUTS-3-31	MT	89E-02	B-G-1	B 6.10	2	ISI-0267-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	RPV-NUTS-3-89	MT	89E-02	B-G-1	B 6.10	3	ISI-0267-C	01
RPV	RPV-NUTS-3-90	MT	89E-02	B-G-1	B 6.10	3	ISI-0267-C	01
RPV	RPV-NUTS-3-91	MT	89E-02	B-G-1	B 6.10	3	ISI-0267-C	01
	RPV-NUTS-3-92	MT	89E-02	B-G-1	B 6.10	3	ISI-0267-C	01
	PMP-A-STUD-3-01	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-02	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-03	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-04	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-05	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-06	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-07	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-08	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-09	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-10	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-11	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-12	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-13	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-14	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-15	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-A-STUD-3-16	UT	89E-02	B-G-1	B 6.180	3	ISI-0413-C	01
RECIR	PMP-B-STUD-3-01	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-02	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-03	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-04	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-05	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-06	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-07	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
	PMP-B-STUD-3-08	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
	PMP-B-STUD-3-09	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-10	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-11	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-12	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-13	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-14	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-15	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-B-STUD-3-16	UT	89E-02	B-G-1	B 6.180		ISI-0413-C	01
RECIR	PMP-A-FLG-3-01	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-02	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-03	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-04	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-05	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-06	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-07	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-08	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-09	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-10	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-11	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-12	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-13	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-14	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-15	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-A-FLG-3-16	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
	PMP-B-FLG-3-01	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
	PMP-B-FLG-3-02	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-B-FLG-3-03	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-B-FLG-3-04	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01
RECIR	PMP-B-FLG-3-05	VT-1	89E-02	B-G-1	B 6.190		ISI-0413-C	01

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System	Compono	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	RPV-STUDS-3-62	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-63	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-64	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
	RPV-STUDS-3-65	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
	RPV-STUDS-3-66	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-67	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-68	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-69	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-70	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-71	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-72	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-73	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-74	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-75	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-76	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-77	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-78	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-79	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-80	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-81	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-82	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-83	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-84	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-85	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-86	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-87	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-88	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-89	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
	RPV-STUDS-3-90	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
	RPV-STUDS-3-91	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-STUDS-3-92	MT	89E-02	B-G-1	B 6.30		ISI-0267-C	01
RPV	RPV-LIGS-3-01	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-02	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-03	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-04	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-05	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-06	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-07	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-08	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-09	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-10	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-11	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-12	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-13	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-14	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-15	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-16	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-17	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-18	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-19	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-20	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-21	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
	RPV-LIGS-3-22	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
	RPV-LIGS-3-23	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-24	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-25	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01
RPV	RPV-LIGS-3-26	UT	89E-02	B-G-1	B 6.40	1	ISI-0267-C	01



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[illegible]

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	RPV-WASH-3-71	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-72	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-73	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
	RPV-WASH-3-74	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
	RPV-WASH-3-75	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-76	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-77	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-78	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-79	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-80	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-81	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-82	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-83	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-84	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-85	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-86	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-87	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-88	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-89	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-90	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-91	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
RPV	RPV-WASH-3-92	VT-1	89E-02	B-G-1	B 6.50	3	ISI-0267-C	01
MS	MSBC-3-01	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	MSBC-3-02	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	MSBC-3-03	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	MSBC-3-04	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	MSBC-3-05	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	MSBC-3-06	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
	MSBC-3-07	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
	MSBC-3-08	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	MSBC-3-09	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	MSBC-3-10	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	MSBC-3-11	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	MSBC-3-12	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	PCV1-004-PBC	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	PCV1-005-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	PCV1-018-PBC	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	PCV1-019-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	PCV1-022-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	PCV1-023-PBC	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	PCV1-030-PBC	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	PCV1-031-PBC	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0313-B	01
MS	PCV1-034-PBC	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	PCV1-041-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	PCV1-042-PBC	VT-1	89E-02	B-G-2	B 7.50	1	ISI-0313-B	01
MS	PCV1-179-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
MS	PCV1-180-PBC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0313-B	01
RECIR	RBC-3-1	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0328-C	01
RECIR	RBC-3-2	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0328-C	02
RPV	N 6A-3-1-BC	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0295-A	01
RPV	N 6B-3-2-BC	VT-1	89E-02	B-G-2	B 7.50	2	ISI-0295-A	01
RPV	N 7-3-3-BC	VT-1	89E-02	B-G-2	B 7.50	3	ISI-0295-A	01
	FCV75-26-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0331-C	01
	FCV75-54-BC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0331-C	01
CS	HCV75-27-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0331-C	01
CS	HCV75-55-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0331-C	01
FW	3-554-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0327-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
FW	3-558-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0327-C	01
FW	3-568-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0327-C	01
FW	3-572-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0327-C	01
	FCV 1-14-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0329-C	01
	FCV 1-15-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0329-C	01
MS	FCV 1-26-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0329-C	02
MS	FCV 1-27-BC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0329-C	02
MS	FCV 1-37-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0329-C	02
MS	FCV 1-38-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0329-C	02
MS	FCV 1-51-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0329-C	01
MS	FCV 1-52-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0329-C	01
MS	PCV1-004-VBC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0313-B	01
MS	PCV1-005-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
MS	PCV1-018-VBC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0313-B	01
MS	PCV1-019-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
MS	PCV1-022-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
MS	PCV1-023-VBC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0313-B	01
MS	PCV1-030-VBC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0313-B	01
MS	PCV1-031-VBC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0313-B	01
MS	PCV1-034-VBC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0313-B	01
MS	PCV1-041-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
MS	PCV1-042-VBC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0313-B	01
MS	PCV1-179-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
MS	PCV1-180-VBC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0313-B	01
RECIR	FCV68-01-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0328-C	01
RECIR	FCV68-03-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0328-C	01
RECIR	FCV68-77-BC	VT-1	89E-02	B-G-2	B 7.70	3	ISI-0328-C	02
RECIR	FCV68-79-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0328-C	02
	FCV74-54-BC	VT-1	89E-02	B-G-2	B 7.70	2	ISI-0330-C	01
	FCV74-68-BC	VT-1	89E-02	B-G-2	B 7.70	1	ISI-0330-C	01
RPV	CRDN-3-0219-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0223-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0227-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0231-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0235-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0239-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0243-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0615-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0619-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0623-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0627-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0631-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0635-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0639-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0643-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-0647-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1011-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1015-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1019-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1023-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1027-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1031-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-1035-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-1039-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1043-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1047-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-1051-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01

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System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDN-3-4247-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4251-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4255-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-4259-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-4607-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4611-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4615-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4619-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4623-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4627-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4631-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4635-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4639-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4643-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4647-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4651-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-4655-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5011-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5015-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5019-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5023-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5027-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5031-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5035-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5039-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5043-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5047-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-5051-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
	CRDN-3-5415-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5419-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5423-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5427-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5431-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5435-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5439-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5443-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5447-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5819-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5823-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5827-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5831-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5835-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5839-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	CRDN-3-5843-BC	VT-1	89E-02	B-G-2	B 7.80		ISI-0293-C	01
RPV	RPV-STAB-3-1A-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1B-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1C-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1D-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1E-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1F-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1G-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
RPV	RPV-STAB-3-1H-IA	PT	89E-02	B-H	B 8.10	3	ISI-0416-C	01
	RPV-SUPP-3-1-IA	MT/UT	89E-02	B-H	B 8.10	2	ISI-0416-C	02
	DCS-3-03	PT&UT	89E-02	B-J	B 9.11	2	ISI-0331-C	01
CS	DCS-3-04	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DCS-3-05	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DCS-3-12	PT&UT	89E-02	B-J	B 9.11	3	ISI-0331-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CS	DCS-3-13	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DCS-3-14	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DSCS-3-01	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
	DSCS-3-02	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
	DSCS-3-07	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DSCS-3-08	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DSCS-3-09	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DSCS-3-16A	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	DSCS-3-16B	PT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TCS-3-403	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TCS-3-405	PT&UT	89E-02	B-J	B 9.11	3	ISI-0331-C	01
CS	TCS-3-406	PT&UT	89E-02	B-J	B 9.11	1	ISI-0331-C	01
CS	TCS-3-410	PT&UT	89E-02	B-J	B 9.11	2	ISI-0331-C	01
CS	TCS-3-419	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TCS-3-421	PT&UT	89E-02	B-J	B 9.11	2	ISI-0331-C	01
CS	TCS-3-422	PT&UT	89E-02	B-J	B 9.11	3	ISI-0331-C	01
CS	TCS-3-426	PT&UT	89E-02	B-J	B 9.11	1	ISI-0331-C	01
CS	TSCS-3-402	PT&UT	89E-02	B-J	B 9.11	3	ISI-0331-C	01
CS	TSCS-3-404	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-407	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-408	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-409	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-418	PT&UT	89E-02	B-J	B 9.11	1	ISI-0331-C	01
CS	TSCS-3-420	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-423	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-424	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
CS	TSCS-3-425X	MT&UT	89E-02	B-J	B 9.11		ISI-0331-C	01
FW	GEW-3-01	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
	GEW-3-02	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-03	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
FW	GEW-3-04	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-05	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-06	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-07	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-08	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-09	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-10	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
FW	GEW-3-11	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-12	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-13	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-14	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-15	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-16	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-17	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-18	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-19	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-20	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-21	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-22	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
FW	GEW-3-23	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
FW	GEW-3-24	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-25	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
	GEW-3-26	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	GEW-3-27	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-28	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-29	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GEW-3-30	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
FW	GFW-3-31	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
FW	GFW-3-32	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	GFW-3-33	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	GFW-3-34	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	KFW-3-01	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-03	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
FW	KFW-3-04	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-05	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-06	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-07	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-08	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-09	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-10	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-11	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-12	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-13	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-14	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-15	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
FW	KFW-3-16	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-17	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-18	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-19	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-21	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-22	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-23	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-24	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
FW	KFW-3-25	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	KFW-3-26	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	KFW-3-27	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	KFW-3-28	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-29	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
FW	KFW-3-30	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-31	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-32	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-33	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-34	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
FW	KFW-3-35	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
FW	KFW-3-36	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-37	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
FW	KFW-3-38	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-39	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-40	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-41	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-42	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-43	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-44	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-45	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-46	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-47	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-48	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
FW	KFW-3-49	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
FW	KFW-3-50	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
	KFW-3-51	MT&UT	89E-02	B-J	B 9.11		ISI-0327-C	01
	HPCI-3-3-1	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	HPCI-3-3-2	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-062	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-064	MT&UT	89E-02	B-J	B 9.11	3	ISI-0333-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
HPCI	THPCI-3-065	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-066	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-067	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
	THPCI-3-068	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
	THPCI-3-069	MT&UT	89E-02	B-J	B 9.11	1	ISI-0333-C	01
HPCI	THPCI-3-070	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-070A	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-070B	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-071	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-072	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-073	MT&UT	89E-02	B-J	B 9.11	2	ISI-0333-C	01
HPCI	THPCI-3-073A	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-073B	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-073E	MT&UT	89E-02	B-J	B 9.11	2	ISI-0333-C	01
HPCI	THPCI-3-073F	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
HPCI	THPCI-3-073G	MT&UT	89E-02	B-J	B 9.11	3	ISI-0333-C	01
MS	GMS-3-01	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-02	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-03	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-04	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01
MS	GMS-3-05	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-06	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-07	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-08	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	01
MS	GMS-3-09	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	02
MS	GMS-3-10	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-11	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-12	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
	GMS-3-13	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
	GMS-3-14	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-15	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-16	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-17	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-18	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-19	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
MS	GMS-3-20	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-21	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
MS	GMS-3-22	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-23	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-24	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-25	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-26	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	GMS-3-27	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-28	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-29	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-30	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01
MS	GMS-3-31	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-32	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-33	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	GMS-3-34	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	01
MS	KMS-3-001	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-002	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-004	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-005	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-007	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-008	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-010	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	KMS-3-011	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-013	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-014	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-016	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-017	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-019	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-020	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-022	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-023	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-024	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-025	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-026	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-027	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-028	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	01
MS	KMS-3-029	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-030	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-031	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-033	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-034	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-036	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-037	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-038	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	02
MS	KMS-3-041	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-042	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-044	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-045	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-047	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
	KMS-3-048	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
	KMS-3-050	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
MS	KMS-3-051	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
MS	KMS-3-052	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
MS	KMS-3-054	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-055	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	02
MS	KMS-3-056	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-057	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-058	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-059	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-060	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-062	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-065	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
MS	KMS-3-066	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
MS	KMS-3-068	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-069	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-071	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-072	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-074	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
MS	KMS-3-075	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	02
MS	KMS-3-076	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-079	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
MS	KMS-3-080	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-081	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-082	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-084	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-085	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-087	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-088	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-090	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	KMS-3-091	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01
MS	KMS-3-093	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01
MS	KMS-3-094	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	01
	KMS-3-096	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
	KMS-3-097	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-099	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-100	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-102	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-103	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-104	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-105	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-106	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-107	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-108	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-109	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-110	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	01
MS	KMS-3-111	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	01
MS	KMS-3-112	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	01
MS	KMS-3-113	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-114	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	02
MS	KMS-3-115	MT&UT	89E-02	B-J	B 9.11		ISI-0329-C	02
MS	KMS-3-116	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
RCIC	TRCIC-3-002	MT&UT	89E-02	B-J	B 9.11		ISI-0332-C	02
RCIC	TRCIC-3-005	MT&UT	89E-02	B-J	B 9.11	2	ISI-0332-C	02
RCIC	TRCIC-3-006	MT&UT	89E-02	B-J	B 9.11		ISI-0332-C	02
RCIC	TRCIC-3-007	MT&UT	89E-02	B-J	B 9.11		ISI-0332-C	02
RECIR	GR-3-01	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	01
	GR-3-02	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
	GR-3-03 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
	GR-3-04	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-07	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-27 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-28	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	02
RECIR	GR-3-29	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-30	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-33	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-53 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-54 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-55	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-56	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-57 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-58	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	GR-3-59 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-60 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-61	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-62	PT&UT	89E-02	B-J	B 9.11	1	ISI-0328-C	02
RECIR	GR-3-63	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-63A	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	GR-3-64 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	KR-3-02	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	01
RECIR	KR-3-24	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	KR-3-45	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
	KR-3-46	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
	KR-3-47	PT&UT	89E-02	B-J	B 9.11	2	ISI-0328-C	01
RECIR	KR-3-48	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	KR-3-50	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	KR-3-51	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RECIR	KR-3-52	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-001-G003	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	01
RECIR	RWR-3-001-G006	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G009	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	01
RECIR	RWR-3-001-G012	PT&UT	89E-02	B-J	B 9.11	3	ISI-0328-C	01
RECIR	RWR-3-001-G015	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G016	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G017	PT&UT	89E-02	B-J	B 9.11	1	ISI-0328-C	01
RECIR	RWR-3-001-G018	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G019	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G020	PT&UT	89E-02	B-J	B 9.11	1	ISI-0328-C	01
RECIR	RWR-3-001-G021	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G022	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G023	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G024	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-001-G025	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	RWR-3-002-G003	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G006	PT&UT	89E-02	B-J	B 9.11	1	ISI-0328-C	02
RECIR	RWR-3-002-G009	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G012	PT&UT	89E-02	B-J	B 9.11	1	ISI-0328-C	02
RECIR	RWR-3-002-G015	PT&UT	89E-02	B-J	B 9.11	2	ISI-0328-C	02
RECIR	RWR-3-002-G016	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G017	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G018	PT&UT	89E-02	B-J	B 9.11	2	ISI-0328-C	02
RECIR	RWR-3-002-G019	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G020	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G021	PT&UT	89E-02	B-J	B 9.11	2	ISI-0328-C	02
RECIR	RWR-3-002-G022	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G023	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G024	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RECIR	RWR-3-002-G025	PT&UT	89E-02	B-J	B 9.11	2	ISI-0328-C	02
RECIR	SW-TPR-3-19	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	01
RECIR	SW-TPR-3-21	PT&UT	89E-02	B-J	B 9.11		ISI-0328-C	02
RHR	DRHR-3-03	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-03B	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-04	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-05	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-06	PT&UT	89E-02	B-J	B 9.11	1	ISI-0330-C	01
RHR	DRHR-3-07	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-12	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-13	PT&UT	89E-02	B-J	B 9.11	3	ISI-0330-C	01
RHR	DRHR-3-13B	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-14	PT&UT	89E-02	B-J	B 9.11	1	ISI-0330-C	01
RHR	DRHR-3-15	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-16	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-19	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-21	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DRHR-3-22	PT&UT	89E-02	B-J	B 9.11	2	ISI-0330-C	01
RHR	DRHR-3-23	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-01	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-02	PT&UT	89E-02	B-J	B 9.11	3	ISI-0330-C	01
RHR	DSRHR-3-03	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-04	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-04A	PT&UT	89E-02	B-J	B 9.11	2	ISI-0330-C	01
RHR	DSRHR-3-05	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-05A	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-06	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	DSRHR-3-07	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	DSRHR-3-09	PT&UT	89E-02	B-J	B 9.11	2	ISI-0330-C	01
RHR	DSRHR-3-10	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
	DSRHR-3-11 (OL)	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
	RHR-3-002-G001	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	RHR-3-002-G002	PT&UT	89E-02	B-J	B 9.11	2	ISI-0330-C	01
RHR	RHR-3-002-G003	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	RHR-3-002-G004	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	TRHR-3-191	PT&UT	89E-02	B-J	B 9.11	1	ISI-0330-C	01
RHR	TRHR-3-192	MT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	TRHR-3-193	MT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	TRHR-3-193A	PT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RHR	TRHR-3-194	MT&UT	89E-02	B-J	B 9.11		ISI-0330-C	01
RPV	N 3A-SE	MT&UT	89E-02	B-J	B 9.11	2	ISI-0329-C	01
RPV	N 3B-SE	MT&UT	89E-02	B-J	B 9.11	1	ISI-0329-C	02
RPV	N 3C-SE	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	02
RPV	N 3D-SE	MT&UT	89E-02	B-J	B 9.11	3	ISI-0329-C	01
RPV	N 4A-SE	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
RPV	N 4B-SE	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
RPV	N 4C-SE	MT&UT	89E-02	B-J	B 9.11	1	ISI-0327-C	01
RPV	N 4D-SE	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
RPV	N 4E-SE	MT&UT	89E-02	B-J	B 9.11	3	ISI-0327-C	01
RPV	N 4F-SE	MT&UT	89E-02	B-J	B 9.11	2	ISI-0327-C	01
RPV	N 6A-3-1	MT&UT	89E-02	B-J	B 9.11		ISI-0295-A	01
RPV	N 6B-3-1	MT&UT	89E-02	B-J	B 9.11		ISI-0295-A	01
RPV	N 7-3-1	MT&UT	89E-02	B-J	B 9.11	3	ISI-0295-A	01
RWCU	3RWCU-10	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
	3RWCU-11	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
	3RWCU-12	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
	3RWCU-13	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	3RWCU-14	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	3RWCU-15	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	3RWCU-16	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	3RWCU-17	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	3RWCU-18	MT&UT	89E-02	B-J	B 9.11		ISI-0333-C	01
RWCU	DRWC-3-59	MT&UT	89E-02	B-J	B 9.11		ISI-0332-C	02
RWCU	DRWC-3-60	MT&UT	89E-02	B-J	B 9.11	1	ISI-0332-C	02
RWCU	RWCU-3-001-G001	PT&UT	89E-02	B-J	B 9.11	1	ISI-0332-C	01
RWCU	RWCU-3-001-G011	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G014	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G015	PT&UT	89E-02	B-J	B 9.11	2	ISI-0332-C	01
RWCU	RWCU-3-001-G016	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G017	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G018	PT&UT	89E-02	B-J	B 9.11	2	ISI-0332-C	01
RWCU	RWCU-3-001-G019	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G020	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G021	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G022	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G023	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G024	PT&UT	89E-02	B-J	B 9.11	2	ISI-0332-C	01
RWCU	RWCU-3-001-G025	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
RWCU	RWCU-3-001-G026	PT&UT	89E-02	B-J	B 9.11		ISI-0332-C	01
	RWCU-3-007-G001	PT&UT	89E-02	B-J	B 9.11	3	ISI-0333-C	01
	RWCU-3-007-G003	MT&UT	89E-02	B-J	B 9.11	3	ISI-0332-C	02
MS	KMS-3-003	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-006	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-009	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	KMS-3-012	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-015	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-018	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
	KMS-3-021	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
	KMS-3-032	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-035	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-040	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-043	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-046	MT&UT	89E-02	B-J	B 9.31	2	ISI-0329-C	02
MS	KMS-3-049	MT&UT	89E-02	B-J	B 9.31	2	ISI-0329-C	02
MS	KMS-3-053	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-061	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-064	MT&UT	89E-02	B-J	B 9.31	3	ISI-0329-C	02
MS	KMS-3-067	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-070	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	02
MS	KMS-3-073	MT&UT	89E-02	B-J	B 9.31	3	ISI-0329-C	02
MS	KMS-3-083	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-086	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-089	MT&UT	89E-02	B-J	B 9.31	1	ISI-0329-C	01
MS	KMS-3-092	MT&UT	89E-02	B-J	B 9.31	1	ISI-0329-C	01
MS	KMS-3-095	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-098	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
MS	KMS-3-101	MT&UT	89E-02	B-J	B 9.31		ISI-0329-C	01
RECIR	GR-3-63B	PT&UT	89E-02	B-J	B 9.31		ISI-0328-C	02
RECIR	KR-3-01	PT&UT	89E-02	B-J	B 9.31		ISI-0328-C	01
RECIR	KR-3-04	PT&UT	89E-02	B-J	B 9.31	3	ISI-0328-C	01
RECIR	KR-3-23	PT&UT	89E-02	B-J	B 9.31		ISI-0328-C	02
RECIR	KR-3-26	PT&UT	89E-02	B-J	B 9.31		ISI-0328-C	02
RECIR	KR-3-49	PT&UT	89E-02	B-J	B 9.31	2	ISI-0328-C	01
RECIR	KR-3-53	PT&UT	89E-02	B-J	B 9.31		ISI-0328-C	02
RHR	DSRHR-3-08	PT&UT	89E-02	B-J	B 9.31	1	ISI-0330-C	01
RWCU	3RWCU-19	MT&UT	89E-02	B-J	B 9.31		ISI-0333-C	01
CS	3-47B458-558-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0339-C	01
CS	3-47B458-559-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0339-C	01
CS	3-47B458-560-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0339-C	01
CS	3-47B458-566-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0339-C	01
CS	3-47B458-567-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0339-C	01
CS	3-47B458-568-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0339-C	01
FW	3-47B415-34-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0336-C	01
FW	3-47B415-36-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0336-C	01
FW	3-47B415-38-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0336-C	01
FW	3-47B415-42-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0336-C	01
FW	3-47B415-47-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0336-C	01
FW	3-47B415-49-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0336-C	01
FW	3-47B415-58-IA	MT	89E-02	B-K-1	B 10.10	3	ISI-0336-C	01
FW	3-47B415-60-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0336-C	01
FW	3-47B415-67-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0336-C	01
MS	3-47B400-101-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0338-C	02
MS	3-47B400-102-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0338-C	02
MS	3-47B400-105-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0338-C	02
MS	3-47B400-114-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0338-C	02
MS	3-47B400-115-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0338-C	02
	3-47B400-116-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0338-C	02
	3-47B400-204-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0338-C	02
MS	3-47B400-68-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0338-C	01
MS	3-47B400-69-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0338-C	01
MS	3-47B400-75-IA	MT	89E-02	B-K-1	B 10.10	3	ISI-0338-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	3-47B400-82-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0338-C	01
MS	3-47B400-83-IA	PT/MT	89E-02	B-K-1	B 10.10	1	ISI-0338-C	01
MS	3-47B400-88-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0338-C	01
	3-47B400-95-IA	PT/MT	89E-02	B-K-1	B 10.10	3	ISI-0338-C	02
	3-47B400-96-IA	PT/MT	89E-02	B-K-1	B 10.10	2	ISI-0338-C	02
RECIR	3-47B465-455-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RECIR	3-47B465-456-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RECIR	3-47B465-457-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RECIR	3-47B465-465-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RECIR	3-47B465-466-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RECIR	3-47B465-472-IA	PT	89E-02	B-K-1	B 10.10	1	ISI-0337-C	02
RECIR	3-47B465-473-IA	PT	89E-02	B-K-1	B 10.10	1	ISI-0337-C	02
RECIR	3-47B465-474-IA	PT	89E-02	B-K-1	B 10.10	1	ISI-0337-C	02
RECIR	3-47B465-480-IA	PT	89E-02	B-K-1	B 10.10	1	ISI-0337-C	02
RECIR	3-47B465-481-IA	PT	89E-02	B-K-1	B 10.10	2	ISI-0337-C	02
RECIR	3-47B465-482-IA	PT	89E-02	B-K-1	B 10.10	2	ISI-0337-C	02
RECIR	3-47B465-534-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	02
RECIR	3-47B465-545-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0337-C	01
RHR	3-47B452-3041-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0340-C	01
RHR	3-47B452-3042-IA	PT	89E-02	B-K-1	B 10.10	2	ISI-0340-C	01
RHR	3-47B452-3043-IA	PT	89E-02	B-K-1	B 10.10	3	ISI-0340-C	01
RHR	3-47B452-3044-IA	PT	89E-02	B-K-1	B 10.10	2	ISI-0340-C	01
RHR	3-47B452-3047-IA	PT	89E-02	B-K-1	B 10.10	1	ISI-0340-C	01
RWCU	3-47B406-286-IA	PT	89E-02	B-K-1	B 10.10	2	ISI-0334-C	01
RECIR	3-47B465-497-IA	PT	89E-02	B-K-1	B 10.20	3	ISI-0337-C	02
RECIR	3-47B465-498-IA	PT	89E-02	B-K-1	B 10.20	3	ISI-0337-C	02
RECIR	3-47B465-499-IA	PT	89E-02	B-K-1	B 10.20	3	ISI-0337-C	02
RECIR	3-47B465-513-IA	PT	89E-02	B-K-1	B 10.20	2	ISI-0337-C	01
RECIR	3-47B465-514-IA	PT	89E-02	B-K-1	B 10.20	2	ISI-0337-C	01
RECIR	3-47B465-515-IA	PT	89E-02	B-K-1	B 10.20	2	ISI-0337-C	01
FW	3-47B415-41-IA	PT/MT	89E-02	B-K-1	B 10.30	2	ISI-0336-C	01
FW	3-47B415-44-IA	PT/MT	89E-02	B-K-1	B 10.30	1	ISI-0336-C	01
RECIR	PMP-3A-INTERIOR	VT-3	89E-02	B-L-2	B 12.20		ISI-0413-C	01
RECIR	PMP-3B-INTERIOR	VT-3	89E-02	B-L-2	B 12.20		ISI-0413-C	01
CS	FCV75-25	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
CS	FCV75-26	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
CS	FCV75-53	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
CS	FCV75-54	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
CS	HCV75-27	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
CS	HCV75-55	VT-3	89E-02	B-M-2	B12.50		ISI-0331-C	01
FW	3-554	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
FW	3-558	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
FW	3-568	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
FW	3-572	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
FW	HCV 3-66	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
FW	HCV 3-67	VT-3	89E-02	B-M-2	B12.50		ISI-0327-C	01
HPCI	FCV73-02	VT-3	89E-02	B-M-2	B12.50		ISI-0333-C	01
HPCI	FCV73-03	VT-3	89E-02	B-M-2	B12.50		ISI-0333-C	01
HPCI	FCV73-45	VT-3	89E-02	B-M-2	B12.50		ISI-0333-C	01
MS	FCV 1-14	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	01
MS	FCV 1-15	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	01
MS	FCV 1-26	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	02
	FCV 1-27	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	02
	FCV 1-37	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	02
MS	FCV 1-38	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	02
MS	FCV 1-51	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	01
MS	FCV 1-52	VT-3	89E-02	B-M-2	B12.50		ISI-0329-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	PCV 1-004	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-005	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-018	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
	PCV 1-019	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
	PCV 1-022	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-023	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-030	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-031	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-034	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-041	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-042	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-179	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
MS	PCV 1-180	VT-3	89E-02	B-M-2	B12.50		ISI-0313-B	01
RCIC	FCV71-40	VT-3	89E-02	B-M-2	B12.50		ISI-0332-C	02
RECIR	FCV68-01	VT-3	89E-02	B-M-2	B12.50		ISI-0328-C	01
RECIR	FCV68-03	VT-3	89E-02	B-M-2	B12.50		ISI-0328-C	01
RECIR	FCV68-77	VT-3	89E-02	B-M-2	B12.50		ISI-0328-C	02
RECIR	FCV68-79	VT-3	89E-02	B-M-2	B12.50		ISI-0328-C	02
RHR	FCV74-47	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	FCV74-48	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	FCV74-53	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	FCV74-54	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	FCV74-67	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	FCV74-68	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	HCV74-49	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	HCV74-55	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
RHR	HCV74-69	VT-3	89E-02	B-M-2	B12.50		ISI-0330-C	01
	69-500	VT-3	89E-02	B-M-2	B12.50		ISI-0332-C	01
	FCV69-01	VT-3	89E-02	B-M-2	B12.50		ISI-0332-C	01
	FCV69-02	VT-3	89E-02	B-M-2	B12.50		ISI-0332-C	01
RPV	RPV INTERIOR	VT-3	89E-02	B-N-1	B 13.10	1,2,3	ISI-0220-C	02
RPV	RPV INT ATT BLR	VT-1	89E-02	B-N-2	B 13.20	3	ISI-0220-C	02
RPV	RPV INT ATT NBLR	VT-3	89E-02	B-N-2	B 13.30	3	ISI-0220-C	02
RPV	RPV CORE SUPPORT	VT-3	89E-02	B-N-2	B 13.40	3	ISI-0220-C	02
RPV	CRDW-3-0219	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0223	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0227	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0231	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0235	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0239	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0243	PT	89E-02	B-O	B14.10	3	ISI-0293-C	01
RPV	CRDW-3-0615	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-0647	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1011	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1051	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1407	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1455	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1803	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-1859	PT	89E-02	B-O	B14.10	3	ISI-0293-C	01
RPV	CRDW-3-2203	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-2259	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-2603	PT	89E-02	B-O	B14.10		ISI-0293-C	01
	CRDW-3-2659	PT	89E-02	B-O	B14.10		ISI-0293-C	01
	CRDW-3-3003	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-3059	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-3403	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-3459	PT	89E-02	B-O	B14.10		ISI-0293-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RPV	CRDW-3-3803	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-3859	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-4203	PT	89E-02	B-O	B14.10		ISI-0293-C	01
	CRDW-3-4259	PT	89E-02	B-O	B14.10	3	ISI-0293-C	01
	CRDW-3-4607	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-4655	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5011	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5051	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5415	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5447	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5819	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5823	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5827	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5831	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5835	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5839	PT	89E-02	B-O	B14.10		ISI-0293-C	01
RPV	CRDW-3-5843	PT	89E-02	B-O	B14.10	3	ISI-0293-C	01
RHR	RHRG-3-07A	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-07B	UT	89E-02	C-A	C1.10	1	ISI-0422-C	01
RHR	RHRG-3-07C	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-07D	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-08A	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-08B	UT	89E-02	C-A	C1.10	2	ISI-0422-C	01
RHR	RHRG-3-08C	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-08D	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-09A	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-09B	UT	89E-02	C-A	C1.10	3	ISI-0422-C	01
	RHRG-3-09C	UT	89E-02	C-A	C1.10		ISI-0422-C	01
	RHRG-3-09D	UT	89E-02	C-A	C1.10		ISI-0422-C	01
RHR	RHRG-3-10A	UT	89E-02	C-A	C1.20		ISI-0422-C	01
RHR	RHRG-3-10B	UT	89E-02	C-A	C1.20	3	ISI-0422-C	01
RHR	RHRG-3-10C	UT	89E-02	C-A	C1.20		ISI-0422-C	01
RHR	RHRG-3-10D	UT	89E-02	C-A	C1.20		ISI-0422-C	01
RHR	RHRG-3-05A-A	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05A-B	MT	89E-02	C-B	C2.31	3	ISI-0422-C	01
RHR	RHRG-3-05A-C	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05A-D	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05B-A	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05B-B	MT	89E-02	C-B	C2.31	3	ISI-0422-C	01
RHR	RHRG-3-05B-C	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05B-D	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06A-A	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06A-B	MT	89E-02	C-B	C2.31	2	ISI-0422-C	01
RHR	RHRG-3-06A-C	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06A-D	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06B-A	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06B-B	MT	89E-02	C-B	C2.31	2	ISI-0422-C	01
RHR	RHRG-3-06B-C	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-06B-D	MT	89E-02	C-B	C2.31		ISI-0422-C	01
RHR	RHRG-3-05-A	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01
RHR	RHRG-3-05-B	VT-2	89E-02	C-B	C2.33	1,2,3	ISI-0422-C	01
RHR	RHRG-3-05-C	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01
	RHRG-3-05-D	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01
	RHRG-3-06-A	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01
RHR	RHRG-3-06-B	VT-2	89E-02	C-B	C2.33	1,2,3	ISI-0422-C	01
RHR	RHRG-3-06-C	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01
RHR	RHRG-3-06-D	VT-2	89E-02	C-B	C2.33		ISI-0422-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	RHRG-3-12-A-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-12-B-IA	MT	89E-02	C-C	C3.10	3	ISI-0422-C	01
RHR	RHRG-3-12-C-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-12-D-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-13-A-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-13-B-IA	MT	89E-02	C-C	C3.10	3	ISI-0422-C	01
RHR	RHRG-3-13-C-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-13-D-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-14-A-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-14-B-IA	MT	89E-02	C-C	C3.10	3	ISI-0422-C	01
RHR	RHRG-3-14-C-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
RHR	RHRG-3-14-D-IA	MT	89E-02	C-C	C3.10		ISI-0422-C	01
CRD	3-47B468-252-IA	MT	89E-02	C-C	C3.20	2	ISI-0144-C	02
CRD	3-47B468-259-IA	MT	89E-02	C-C	C3.20	2	ISI-0144-C	02
CRD	3-47B468-301-IA	MT	89E-02	C-C	C3.20	2	ISI-0144-C	01
CS	3-47B458-151-IA	MT	89E-02	C-C	C3.20	3	ISI-0104-C	02
CS	3-47B458-156-IA	MT	89E-02	C-C	C3.20	3	ISI-0104-C	01
CS	3-47B458-164-IA	MT	89E-02	C-C	C3.20	3	ISI-0104-C	01
CS	3-47B458-169-IA	MT	89E-02	C-C	C3.20	3	ISI-0104-C	02
HPCI	3-47B455-626-IA	MT	89E-02	C-C	C3.20	3	CHM-2413-C	02
HPCI	3-47B455-631-IA	MT	89E-02	C-C	C3.20	3	CHM-2413-C	03
HPCI	3-47B455-654-IA	MT	89E-02	C-C	C3.20	3	CHM-2413-C	02
MS	3-47B400-206-IA	MT	89E-02	C-C	C3.20	2	ISI-0355-C	01
MS	3-47B400-79-IA	MT	89E-02	C-C	C3.20	3	ISI-0355-C	01
MS	3-47B400-81-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	3-47B400-94-IA	MT	89E-02	C-C	C3.20	2	ISI-0355-C	01
MS	MS-3-H-13-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	MS-3-H-14-IA	MT	89E-02	C-C	C3.20	2	ISI-0355-C	01
MS	MS-3-H-15-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	MS-3-H-16-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	MS-3-H-17-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	MS-3-H-18-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
MS	MS-3-H-19-IA	MT	89E-02	C-C	C3.20	1	ISI-0355-C	01
RHR	3-47B452-1380-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	07
RHR	3-47B452-1383-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	07
RHR	3-47B452-1384-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	07
RHR	3-47B452-1385-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	07
RHR	3-47B452-1389-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	07
RHR	3-47B452-1400-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	02
RHR	3-47B452-1444-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	05
RHR	3-47B452-1451-IA	ST	89E-02	C-C	C3.20	1	ISI-0395-C	09
RHR	3-47B452-1453-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	09
RHR	3-47B452-1457-IA	ST	89E-02	C-C	C3.20	2	ISI-0395-C	09
RHR	3-47B452-1458-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	09
RHR	3-47B452-1474-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	09
RHR	3-47B452-1486-IA	ST	89E-02	C-C	C3.20	2	ISI-0395-C	11
RHR	3-47B452-1487-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	11
RHR	3-47B452-1491-IA	ST	89E-02	C-C	C3.20	2	ISI-0395-C	11
RHR	3-47B452-1494-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	11
RHR	3-47B452-1495-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	06
RHR	3-47B452-1496-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	06
RHR	3-47B452-1543-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	08
RHR	3-47B452-1545-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	08
RHR	3-47B452-1547-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	10
RHR	3-47B452-1550-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	08
RHR	3-47B452-1557-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	10
RHR	3-47B452-3187-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	16



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	3-47B452-3188-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	14
RHR	3-47B452-3189-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	16
RHR	3-47B452-3190-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	14
	3-47B452-430-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	12
	RHR-3-H-145-IA	MT	89E-02	C-C	C3.20	2	ISI-0395-C	13
RHR	RHR-3-H-146-IA	MT	89E-02	C-C	C3.20	1	ISI-0395-C	12
RHR	RHR-3-H-157-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	10
RHR	RHR-3-R-062-IA	MT	89E-02	C-C	C3.20	3	ISI-0395-C	13
CS	DCS-3-10	PT&UT	89E-02	C-F-1	C 5.11	2	ISI-0102-C	02
CS	DCS-3-11	PT&UT	89E-02	C-F-1	C 5.11	2	ISI-0102-C	02
CS	DSCS-3-14	PT&UT	89E-02	C-F-1	C 5.11	2	ISI-0102-C	02
CS	TCS-3-205	PT&UT	89E-02	C-F-1	C 5.11	2	ISI-0102-C	01
CS	TCS-3-206	PT&UT	89E-02	C-F-1	C 5.11	1	ISI-0102-C	01
CS	TCS-3-207	PT&UT	89E-02	C-F-1	C 5.11	1	ISI-0102-C	01
HPCI	SHPCI-3-06	PT&UT	89E-02	C-F-1	C 5.11	3	CHM-2407-C	02
HPCI	SHPCI-3-07	PT&UT	89E-02	C-F-1	C 5.11	3	CHM-2407-C	02
HPCI	SHPCI-3-08	PT&UT	89E-02	C-F-1	C 5.11	3	CHM-2407-C	02
HPCI	SHPCI-3-09	PT&UT	89E-02	C-F-1	C 5.11	3	CHM-2407-C	02
HPCI	SHPCI-3-10	PT&UT	89E-02	C-F-1	C 5.11	3	CHM-2407-C	02
RHR	DRHR-3-02	PT&UT	89E-02	C-F-1	C 5.11	1	ISI-0393-C	10
RHR	DRHR-3-11	PT&UT	89E-02	C-F-1	C 5.11	1	ISI-0393-C	11
CRD	RCRD-3-A1	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A11	MT&PT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A2	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A3	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A4	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
	RCRD-3-A6	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
	RCRD-3-A7	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A8	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-A9	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0143-C	02
CRD	RCRD-3-B1	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B2	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B3	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B4	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B6	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B7	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B8	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-B9	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	RCRD-3-C1	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C2	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C3	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C4	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0143-C	01
CRD	RCRD-3-C6	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C7	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C8	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-C9	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-D1	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
	RCRD-3-D2	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
	RCRD-3-D8	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	RCRD-3-D9	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-1	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-101	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CRD	TCRD-3-11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-13	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0143-C	01
CRD	TCRD-3-15	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-21	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-21A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-22	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-22A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-23	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-24	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0143-C	01
CRD	TCRD-3-25A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-25X	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-26	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-26A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-27	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-27A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-28A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-28X	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-29	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-29A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-3	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-30	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0143-C	02
CRD	TCRD-3-30A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-31	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-33	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-34	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-35	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0143-C	02
CRD	TCRD-3-36	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-37	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-38	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-39	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-39B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CRD	TCRD-3-5	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-7	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	02
CRD	TCRD-3-9	MT&UT	89E-02	C-F-2	C 5.51		ISI-0143-C	01
CS	TCS-3-002	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-003	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-004	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-005	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-006	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-007	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-008	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0102-C	02
CS	TCS-3-009	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-010	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-012	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-014	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-014A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-014B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-014C	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0102-C	02
CS	TCS-3-015	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-016	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-017	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-018	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-019	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-020	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-021	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-021A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-021B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CS	TCS-3-022	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-042	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-043	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
	TCS-3-044	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0102-C	02
	TCS-3-045	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-046	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-047	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-047A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-048	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-049	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-050	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-051	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-052	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-053	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-054	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-055	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-056	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-057	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-058	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-059	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0102-C	02
CS	TCS-3-060	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-061	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-062	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-063	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-064	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-065	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-066	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
	TCS-3-067	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
	TCS-3-083	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-084	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-085	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-086	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-087	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-087A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-088	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-089	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-090	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-090A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-091	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-092	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-093	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-094	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-095	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-096	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-096A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-097	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-098	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-102	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-103	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-104	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0102-C	01
CS	TCS-3-105	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-106	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-108	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-109	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0102-C	01
CS	TCS-3-110	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-111	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-112	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CS	TCS-3-114	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-116	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-116A	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0102-C	01
	TCS-3-116B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-116C	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-117	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-118	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-119	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-120	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-121	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-122	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-123	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-123A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-123B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-124	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-144	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-145	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-146	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-147	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-148	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-149	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-150	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0102-C	01
CS	TCS-3-151	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-152	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-153	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-154	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-155	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-156	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-157	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-158	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-159	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-160	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0102-C	01
CS	TCS-3-161	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-162	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-163	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-164	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-165	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-166	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-167	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-168	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-169	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-170	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-186	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-187	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-188	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-189	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-190	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0102-C	01
CS	TCS-3-191	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-192	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0102-C	01
CS	TCS-3-193	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-194	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-195	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-196	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
	TCS-3-197	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-198	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-199	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01
CS	TCS-3-200	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CS	TCS-3-201	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0102-C	02
CS	TCS-3-201A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
CS	TCS-3-202	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
	TCS-3-203	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0102-C	02
	TCS-3-204	MT&UT	89E-02	C-F-2	C 5.51		ISI-0102-C	02
HPCI	HPCI-3-3-3	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	01
HPCI	THPCI-3-001	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-001A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-001B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-002	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-002A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-002B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-003	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-003A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-003B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-004	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2407-C	03
HPCI	THPCI-3-004A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-004B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-005	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-005A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-005B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-006	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-006A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-006B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-007	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-007A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-007B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-008	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
	THPCI-3-008A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
	THPCI-3-009	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2407-C	03
HPCI	THPCI-3-009A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-009B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03
HPCI	THPCI-3-010	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-011	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-012	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-013	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-014	MT&UT	89E-02	C-F-2	C 5.51	1	CHM-2407-C	02
HPCI	THPCI-3-015	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-016	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-017	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-018	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-018A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-018B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-018C	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-019	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-020	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-021	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-022	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-023	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-024	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-025	MT&UT	89E-02	C-F-2	C 5.51	3	CHM-2407-C	02
HPCI	THPCI-3-026	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
	THPCI-3-027	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
	THPCI-3-028	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-029	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-030	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-032A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	03

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System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
HPCI	THPCI-3-100A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-100B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-100C	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-100D	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-101	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-101A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-101B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-102	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-103	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-104	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-105	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-106	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-107	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-108	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-109	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-110	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-111	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2407-C	02
HPCI	THPCI-3-112	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-113	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-114	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-115	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2407-C	02
HPCI	THPCI-3-137	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-138	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-139	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-140	MT&UT	89E-02	C-F-2	C 5.51	3	CHM-2407-C	02
HPCI	THPCI-3-141	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-141A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
HPCI	THPCI-3-142	MT&UT	89E-02	C-F-2	C 5.51		CHM-2407-C	02
MS	DAS-3-01	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-02	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-03	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-04	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-05	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0354-C	02
MS	DAS-3-06	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DAS-3-16	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DMS-3-01	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-02	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-03	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-04	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-05	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-06	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-07	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-08	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-09	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0354-C	01
MS	DMS-3-10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-12	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-13	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-14	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-15	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-16	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-17	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0354-C	01
MS	DMS-3-18	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-19	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-20	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	DMS-3-21	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-22	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-23	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DMS-3-24	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DMS-3-25	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-26	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-27	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DMS-3-28	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSAS-3-01	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-02	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-03	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0354-C	02
MS	DSAS-3-04	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-05	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-06	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-07	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-08	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-09	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-12	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-12A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-13	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-14	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-15	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-16	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-17	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-18	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
	DSAS-3-19	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
	DSAS-3-20	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-21	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-22	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0354-C	02
MS	DSAS-3-23	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-23A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-24	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-25	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSAS-3-26	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	02
MS	DSMS-3-01	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0354-C	01
MS	DSMS-3-02	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-03	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-04	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-05	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-06	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-07	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-08	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-09	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-11	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-12	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-13	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-14	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-15	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0354-C	01
MS	DSMS-3-16	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DSMS-3-17	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DSMS-3-18	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-19	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-20	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-21	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	DSMS-3-22	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-23	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-24	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DSMS-3-25	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
	DSMS-3-26	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-27	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-28	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-29	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-30	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-31	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-32	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-33	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-34	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0354-C	01
MS	DSMS-3-35	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-36	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-37	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0354-C	01
MS	DSMS-3-38	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-39	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-40	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-41	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-42	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-43	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-44	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-45	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
MS	DSMS-3-46	MT&UT	89E-02	C-F-2	C 5.51		ISI-0354-C	01
RCIC	RCIC-3-004-04	MT&PT	89E-02	C-F-2	C 5.51	3	CHM-2408-C	01
RCIC	RCIC-3-004-05	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-009	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-009A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-009B	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-009C	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-011	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-012	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-013	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-014	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-015	MT&UT	89E-02	C-F-2	C 5.51	3	CHM-2408-C	01
RCIC	TRCIC-3-016	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-017	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-018	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-018A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-019	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-020	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-021	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-022	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-023	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-024	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-025	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-026	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2408-C	01
RCIC	TRCIC-3-027	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-028	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-029	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-030	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-031	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-032	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-033	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-033A	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-034	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RCIC	TRCIC-3-035	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-036	MT&UT	89E-02	C-F-2	C 5.51	2	CHM-2408-C	01
RCIC	TRCIC-3-037	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-038	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
	TRCIC-3-039	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-040	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-041	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-042	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-043	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-044	MT&UT	89E-02	C-F-2	C 5.51		CHM-2408-C	01
RCIC	TRCIC-3-045	MT&UT	89E-02	C-F-2	C 5.51	1	CHM-2408-C	01
RHR	DRHR-3-01	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	DRHR-3-10	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	RHRG-3-01	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	RHRG-3-02	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	RHRG-3-03	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	RHRG-3-04	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-008	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-009	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-016	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-017	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-018	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-019	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-020	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-021	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-022	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-023	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	12
	TRHR-3-024	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
	TRHR-3-025	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
	TRHR-3-026	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-027	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-028	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-028A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-029	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-030	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0393-C	12
RHR	TRHR-3-031	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-031B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
RHR	TRHR-3-032	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-032A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-033	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-034	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-035	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-036	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-037	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	11
RHR	TRHR-3-038	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-039	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-039A	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	11
RHR	TRHR-3-040	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-041	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-041A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-042	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0393-C	11
RHR	TRHR-3-043	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
	TRHR-3-044	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
	TRHR-3-045	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-046	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-047	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-048	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	TRHR-3-049	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-050	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-051	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
	TRHR-3-052	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
	TRHR-3-053	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0393-C	06
RHR	TRHR-3-054	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-055	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-056	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-057	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-057A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-058	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	06
RHR	TRHR-3-059	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-060	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-061	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-062	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-063	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-064	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-064A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-064B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-064C	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	06
RHR	TRHR-3-065	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	11
RHR	TRHR-3-065A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-065B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-066	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-067	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	11
RHR	TRHR-3-068	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-069	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-069A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
	TRHR-3-070	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
	TRHR-3-070A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-071	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-074	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-076	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	10
RHR	TRHR-3-076A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-077	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-078	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-079	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-080	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-081	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11
RHR	TRHR-3-094	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-095	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-096	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-097	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-098	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-098A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-098B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-099	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-100	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-101	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-102	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-103	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-104	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	10
	TRHR-3-105	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
	TRHR-3-105A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-105B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-106	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-107	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	11



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	TRHR-3-108	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-109	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-110	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	13
	TRHR-3-111	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
	TRHR-3-112	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-113	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-114	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-115	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-116	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-117	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-118	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-119	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-120	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-121	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-122	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-123	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	13
RHR	TRHR-3-132	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-133	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-134	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-135	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-136	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-137	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-150	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-151	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-152	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-152A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-153	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
	TRHR-3-154	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
	TRHR-3-167	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-168	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	10
RHR	TRHR-3-169	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0393-C	10
RHR	TRHR-3-170	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-171	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-172	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-173	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-174	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-175	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-176	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-177	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-178	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-179	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-180	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-181	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-182	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183B	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183C	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	08
RHR	TRHR-3-183D	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183E	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-183F	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	08
RHR	TRHR-3-195	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04
	TRHR-3-195A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04
	TRHR-3-196	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04
RHR	TRHR-3-197	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	04
RHR	TRHR-3-198	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04
RHR	TRHR-3-199	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2perIsidwgn	Shno
RHR	TRHR-3-200	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
RHR	TRHR-3-201	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
RHR	TRHR-3-202	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
	TRHR-3-203	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
	TRHR-3-204	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
RHR	TRHR-3-205	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	04
RHR	TRHR-3-206	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-206A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-207	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-208	MT&UT	89E-02	C-F-2	C 5.51	2 ISI-0393-C	02
RHR	TRHR-3-209	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-210	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-211	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-212	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-213	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-214	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-215	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-216	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-217	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-217A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-218	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-219	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-220	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-221	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-222	MT&UT	89E-02	C-F-2	C 5.51	2 ISI-0393-C	16
RHR	TRHR-3-223	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-224	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
	TRHR-3-225	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
	TRHR-3-226	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
	TRHR-3-227	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-228	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-229	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-230	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-231	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	09
RHR	TRHR-3-231A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-232	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-233	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-234	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-235	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-236	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-237	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-237A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-238	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-239	MT&UT	89E-02	C-F-2	C 5.51	1 ISI-0393-C	02
RHR	TRHR-3-240	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-241	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-242	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02
RHR	TRHR-3-243	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-244	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	09
RHR	TRHR-3-245	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-246	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-247	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
	TRHR-3-248	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
	TRHR-3-249	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-250	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-251	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	16
RHR	TRHR-3-252	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	TRHR-3-253	MT&UT	89E-02	C-F-2	C 5.51	1	ISI-0393-C	02
RHR	TRHR-3-254	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-255	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
	TRHR-3-256	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
	TRHR-3-257A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-258	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-259	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-260	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-261	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-261A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-262	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	04
RHR	TRHR-3-263	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-264	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-265	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-266	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-267	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-268	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-269	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	05
RHR	TRHR-3-270	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-271	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-272	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-273	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	05
RHR	TRHR-3-273A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-274	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-274A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-275	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-276	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
	TRHR-3-277	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
	TRHR-3-278	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-279	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	07
RHR	TRHR-3-280	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-281	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	14
RHR	TRHR-3-282	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-283	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-284	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-285	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-286	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-287	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-288	MT&UT	89E-02	C-F-2	C 5.51	3	ISI-0393-C	14
RHR	TRHR-3-289	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-290	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-291	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-293	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-294	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-295	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-296	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-297	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	14
RHR	TRHR-3-298	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	07
RHR	TRHR-3-299	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-300	MT&UT	89E-02	C-F-2	C 5.51	2	ISI-0393-C	05
RHR	TRHR-3-301	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-301A	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
	TRHR-3-302	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
	TRHR-3-303	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-304	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-305	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05
RHR	TRHR-3-306	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	05

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2perIsidwgn	Shno
RHR	TRHR-3-358	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	09
RHR	TRHR-3-359	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	09
RHR	TRHR-3-360	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
	TRHR-3-361	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
	TRHR-3-362	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-363	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-364	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-365	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-366	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-367	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-368	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-369	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-369A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-370	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-370A	MT&UT	89E-02	C-F-2	C 5.51	1 ISI-0393-C	07
RHR	TRHR-3-370B	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-371	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-372	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-373	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-374	MT&UT	89E-02	C-F-2	C 5.51	1 ISI-0393-C	07
RHR	TRHR-3-375	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-376	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-377	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-378	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-379	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-380	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-381	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
	TRHR-3-382	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
	TRHR-3-382A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-383	MT&UT	89E-02	C-F-2	C 5.51	3 ISI-0393-C	07
RHR	TRHR-3-384	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-384A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-384B	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-385	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-386	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-387	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-388	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-389	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-390	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-391	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-392	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-393	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	07
RHR	TRHR-3-394	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	08
RHR	TRHR-3-408	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-409	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-410	MT&UT	89E-02	C-F-2	C 5.51	3 ISI-0393-C	03
RHR	TRHR-3-411	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-412	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-413	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-414	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-415	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-415A	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
	TRHR-3-416	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
	TRHR-3-426	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-427	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-428	MT&UT	89E-02	C-F-2	C 5.51	ISI-0393-C	03
RHR	TRHR-3-429	MT&UT	89E-02	C-F-2	C 5.51	2 ISI-0393-C	03

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	TRHR-3-430	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-431	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
RHR	TRHR-3-432	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
	TRHR-3-433	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	03
	TRHR-3-434	MT&UT	89E-02	C-F-2	C 5.51		ISI-0393-C	12
MS	DMS-3-29	MT	89E-02	C-F-2	C 5.81	1	ISI-0354-C	01
RHR	TRHR-3-010	MT	89E-02	C-F-2	C 5.81		ISI-0393-C	11
RHR	TRHR-3-267A	MT	89E-02	C-F-2	C 5.81		ISI-0393-C	05
EECW	3-47B451R0057-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451R0067-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451R0073-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451R0076-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0072-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451S0073-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451S0074-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451S0076-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451S0130-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0132-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	03
EECW	3-47B451S0136-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	03
EECW	3-47B451S0139-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0142-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0144-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	03
EECW	3-47B451S0145-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0146-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0152-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	03
EECW	3-47B451S0155-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0157-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0159-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	03
	3-47B451S0290-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	01
EECW	3-47B451S0309-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
EECW	3-47B451S0320-IA	VT-3	89E-02	D-B	D2.20	3	ISI-0390-C	02
RHRWS	3-47B450-249-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-252-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-254-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-258-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	02
RHRWS	3-47B450-260-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-262-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-266-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-270-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-281-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-287-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	02
RHRWS	3-47B450-289-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-293-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-295-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-296-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-300-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	03
RHRWS	3-47B450-302-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	03
RHRWS	3-47B450-306-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-313-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-315-IA	VT-3	89E-02	D-B	D2.20	2	CHM-2416-C	03
RHRWS	3-47B450-317-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	03
RHRWS	3-47B450-348-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	02
	3-47B450-355-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	03
	3-47B450-362-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	02
RHRWS	3-47B450-369-IA	VT-3	89E-02	D-B	D2.20	1	CHM-2416-C	03
RHRWS	3-47B450-255-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	02
RHRWS	3-47B450-257-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHRWSW	3-47B450-268-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	02
RHRWSW	3-47B450-279-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	02
RHRWSW	3-47B450-288-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	03
RHRWSW	3-47B450-309-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	03
RHRWSW	3-47B450-310-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	03
RHRWSW	3-47B450-312-IA	VT-3	89E-02	D-B	D2.40	1	CHM-2416-C	03
FPC	3-47B454-529-IA	VT-3	89E-02	D-C	D3.20	1	CHM-2429-C	02
MS	3-47B400-76	VT-3	89E-02	F-A	F1.10A	3	ISI-0338-C	01
MS	3-47B400-90	VT-3	89E-02	F-A	F1.10A		ISI-0338-C	01
RWCU	3-47B406-287	VT-3	89E-02	F-A	F1.10A		ISI-0334-C	01
RWCU	3-47B406-290	VT-3	89E-02	F-A	F1.10A		ISI-0334-C	01
CS	3-47B458-785	VT-3	89E-02	F-A	F1.10B		ISI-0339-C	01
CS	3-47B458-786	VT-3	89E-02	F-A	F1.10B	3	ISI-0339-C	01
FW	3-47B415-34	VT-3	89E-02	F-A	F1.10B	1	ISI-0336-C	01
FW	3-47B415-35	VT-3	89E-02	F-A	F1.10B		ISI-0336-C	01
FW	3-47B415-40	VT-3	89E-02	F-A	F1.10B		ISI-0336-C	01
FW	3-47B415-49	VT-3	89E-02	F-A	F1.10B		ISI-0336-C	01
FW	3-47B415-50	VT-3	89E-02	F-A	F1.10B		ISI-0336-C	01
FW	3-47B415-51	VT-3	89E-02	F-A	F1.10B		ISI-0336-C	01
HPCI	3-47B455-646	VT-3	89E-02	F-A	F1.10B	3	ISI-0335-C	01
MS	3-47B400-100	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	02
MS	3-47B400-204	VT-3	89E-02	F-A	F1.10B	3	ISI-0338-C	02
MS	3-47B400-205	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	02
MS	3-47B400-68	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	01
MS	3-47B400-73	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	01
MS	3-47B400-82	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	01
MS	3-47B400-87	VT-3	89E-02	F-A	F1.10B		ISI-0338-C	01
MS	3-47B400-95	VT-3	89E-02	F-A	F1.10B	3	ISI-0338-C	02
MS	3-47B452-1421	VT-3	89E-02	F-A	F1.10B	3	ISI-0340-C	01
RHR	3-47B452-3186	VT-3	89E-02	F-A	F1.10B		ISI-0340-C	01
RWCU	3-47B406-273	VT-3	89E-02	F-A	F1.10B		ISI-0334-C	01
CS	3-47B458-556	VT-3	89E-02	F-A	F1.10C		ISI-0339-C	01
CS	3-47B458-557	VT-3	89E-02	F-A	F1.10C		ISI-0339-C	01
CS	3-47B458-560	VT-3	89E-02	F-A	F1.10C	2	ISI-0339-C	01
CS	3-47B458-564	VT-3	89E-02	F-A	F1.10C		ISI-0339-C	01
CS	3-47B458-565	VT-3	89E-02	F-A	F1.10C		ISI-0339-C	01
CS	3-47B458-568	VT-3	89E-02	F-A	F1.10C		ISI-0339-C	01
FW	3-47B415-36	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-37	VT-3	89E-02	F-A	F1.10C	1	ISI-0336-C	01
FW	3-47B415-38	VT-3	89E-02	F-A	F1.10C	1	ISI-0336-C	01
FW	3-47B415-39	VT-3	89E-02	F-A	F1.10C	1	ISI-0336-C	01
FW	3-47B415-42	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-45	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-47	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-58	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-60	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
FW	3-47B415-61	VT-3	89E-02	F-A	F1.10C		ISI-0336-C	01
HPCI	3-47B455-621	VT-3	89E-02	F-A	F1.10C		ISI-0335-C	01
HPCI	3-47B455-623	VT-3	89E-02	F-A	F1.10C	2	ISI-0335-C	01
MS	3-47B400-114	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-117	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-120	VT-3	89E-02	F-A	F1.10C	1	ISI-0338-C	02
MS	3-47B400-203	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-69	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01
MS	3-47B400-70	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01
MS	3-47B400-71	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01
MS	3-47B400-72	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	3-47B400-83	VT-3	89E-02	F-A	F1.10C	1	ISI-0338-C	01
MS	3-47B400-84	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01
MS	3-47B400-85	VT-3	89E-02	F-A	F1.10C	1	ISI-0338-C	01
	3-47B400-86	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	01
	3-47B400-96	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-97	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-98	VT-3	89E-02	F-A	F1.10C		ISI-0338-C	02
MS	3-47B400-99	VT-3	89E-02	F-A	F1.10C	1	ISI-0338-C	02
RECIR	3-47B465-455	VT-3	89E-02	F-A	F1.10C	3	ISI-0337-C	01
RECIR	3-47B465-456	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	01
RECIR	3-47B465-465	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	01
RECIR	3-47B465-466	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	01
RECIR	3-47B465-472	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	02
RECIR	3-47B465-473	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	02
RECIR	3-47B465-481	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	02
RECIR	3-47B465-482	VT-3	89E-02	F-A	F1.10C	2	ISI-0337-C	02
RECIR	3-47B465-530	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	01
RECIR	3-47B465-531	VT-3	89E-02	F-A	F1.10C		ISI-0337-C	01
RECIR	3-47B465-534	VT-3	89E-02	F-A	F1.10C	3	ISI-0337-C	02
RHR	3-47B452-3033	VT-3	89E-02	F-A	F1.10C	2	ISI-0340-C	01
RHR	3-47B452-3035	VT-3	89E-02	F-A	F1.10C		ISI-0340-C	01
RHR	3-47B452-3036	VT-3	89E-02	F-A	F1.10C		ISI-0340-C	01
RHR	3-47B452-3037	VT-3	89E-02	F-A	F1.10C		ISI-0340-C	01
RHR	3-47B452-3038	VT-3	89E-02	F-A	F1.10C		ISI-0340-C	01
RHR	3-47B452-3043	VT-3	89E-02	F-A	F1.10C		ISI-0340-C	01
RHR	3-47B452-3044	VT-3	89E-02	F-A	F1.10C	2	ISI-0340-C	01
RWCU	3-47B406-285	VT-3	89E-02	F-A	F1.10C		ISI-0334-C	01
	3-47B406-286	VT-3	89E-02	F-A	F1.10C	2	ISI-0334-C	01
	3-47B458-558	VT-3	89E-02	F-A	F1.10D	3	ISI-0339-C	01
CS	3-47B458-559	VT-3	89E-02	F-A	F1.10D		ISI-0339-C	01
CS	3-47B458-566	VT-3	89E-02	F-A	F1.10D		ISI-0339-C	01
CS	3-47B458-567	VT-3	89E-02	F-A	F1.10D		ISI-0339-C	01
FW	3-47B415-19	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-20	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-21	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
FW	3-47B415-22	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
FW	3-47B415-23	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
FW	3-47B415-24	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-25	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
FW	3-47B415-26	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-27	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-48	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-52	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-53	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-54	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-55	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-56	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-57	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-59	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
FW	3-47B415-64	VT-3	89E-02	F-A	F1.10D		ISI-0336-C	01
FW	3-47B415-67	VT-3	89E-02	F-A	F1.10D	2	ISI-0336-C	01
HPCI	3-47B455-622	VT-3	89E-02	F-A	F1.10D		ISI-0335-C	01
	3-47B400-101	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
	3-47B400-102	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-103	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-104	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-105	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	3-47B400-107	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-115	VT-3	89E-02	F-A	F1.10D	1	ISI-0338-C	02
MS	3-47B400-116	VT-3	89E-02	F-A	F1.10D	1	ISI-0338-C	02
	3-47B400-118	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
	3-47B400-119	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-121	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-208	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	02
MS	3-47B400-74	VT-3	89E-02	F-A	F1.10D	3	ISI-0338-C	01
MS	3-47B400-75	VT-3	89E-02	F-A	F1.10D	3	ISI-0338-C	01
MS	3-47B400-77	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	01
MS	3-47B400-88	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	01
MS	3-47B400-89	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	01
MS	3-47B400-91	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	01
MS	3-47B400-92	VT-3	89E-02	F-A	F1.10D		ISI-0338-C	01
RECIR	3-47B465-454	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	01
RECIR	3-47B465-457	VT-3	89E-02	F-A	F1.10D	3	ISI-0337-C	01
RECIR	3-47B465-474	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	02
RECIR	3-47B465-480	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	02
RECIR	3-47B465-484	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	02
RECIR	3-47B465-508	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	02
RECIR	3-47B465-511	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	01
RECIR	3-47B465-512	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	01
RECIR	3-47B465-524	VT-3	89E-02	F-A	F1.10D		ISI-0337-C	01
RECIR	3-47B465-545	VT-3	89E-02	F-A	F1.10D	3	ISI-0337-C	01
RECIR	3-47B465-546	VT-3	89E-02	F-A	F1.10D	3	ISI-0337-C	02
RHR	3-47B452-3032	VT-3	89E-02	F-A	F1.10D		ISI-0340-C	01
RHR	3-47B452-3034	VT-3	89E-02	F-A	F1.10D		ISI-0340-C	01
	3-47B452-3040	VT-3	89E-02	F-A	F1.10D		ISI-0340-C	01
	3-47B452-3041	VT-3	89E-02	F-A	F1.10D	3	ISI-0340-C	01
RHR	3-47B452-3042	VT-3	89E-02	F-A	F1.10D		ISI-0340-C	01
RHR	3-47B452-3047	VT-3	89E-02	F-A	F1.10D		ISI-0340-C	01
RWCU	3-47B406-288	VT-3	89E-02	F-A	F1.10D		ISI-0334-C	01
RWCU	3-47B406-289	VT-3	89E-02	F-A	F1.10D		ISI-0334-C	01
RWCU	3-47B406-291	VT-3	89E-02	F-A	F1.10D	3	ISI-0334-C	01
CRD	3-47B468-248	VT-3	89E-02	F-A	F1.20A	2	ISI-0144-C	02
CRD	3-47B468-250	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	02
CRD	3-47B468-251	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	02
CRD	3-47B468-253	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	02
CRD	3-47B468-262	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	02
CRD	3-47B468-286	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-288	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-290	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-291	VT-3	89E-02	F-A	F1.20A	2	ISI-0144-C	01
CRD	3-47B468-293	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-298	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-300	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CRD	3-47B468-304	VT-3	89E-02	F-A	F1.20A		ISI-0144-C	01
CS	3-47B458-079	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
CS	3-47B458-083	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	3-47B458-100	VT-3	89E-02	F-A	F1.20A	2	ISI-0104-C	02
CS	3-47B458-165	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	3-47B458-580	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
	3-47B458-581	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
	3-47B458-591	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
CS	3-47B458-596	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	3-47B458-597	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	3-47B458-71	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CS	3-47B458-72	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	3-47B458-75	VT-3	89E-02	F-A	F1.20A	2	ISI-0104-C	01
CS	3-47B458-76	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
	3-47B458-99	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
	CS-3-R-25	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	CS-3-R-26	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	02
CS	CS-3-R-29	VT-3	89E-02	F-A	F1.20A	2	ISI-0104-C	01
CS	CS-3-R-31	VT-3	89E-02	F-A	F1.20A		ISI-0104-C	01
HPCI	3-47B455-2109	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-630	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-632	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-634	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-635	VT-3	89E-02	F-A	F1.20A	3	CHM-2413-C	02
HPCI	3-47B455-643	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-644	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	03
HPCI	3-47B455-649	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-654	VT-3	89E-02	F-A	F1.20A	3	CHM-2413-C	02
HPCI	3-47B455-658	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	02
HPCI	3-47B455-660	VT-3	89E-02	F-A	F1.20A	3	CHM-2413-C	01
HPCI	3-47B455-661	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	01
HPCI	3-47B455-663	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	01
HPCI	3-47B455-664	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	01
HPCI	3-47B455-665	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	01
HPCI	3-47B455-669	VT-3	89E-02	F-A	F1.20A		CHM-2413-C	01
RBCCW	3-47B464-427	VT-3	89E-02	F-A	F1.20A	3	ISI-0034-C	01
RBCCW	3-47B464-472	VT-3	89E-02	F-A	F1.20A		ISI-0034-C	01
RBCCW	3-47B464-520	VT-3	89E-02	F-A	F1.20A		ISI-0034-C	01
	3-47B456-652	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
	3-47B456-653	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
	3-47B456-677	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RCIC	3-47B456-678	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RCIC	3-47B456-679	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RCIC	3-47B456-680	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RCIC	RCIC-3-H-30	VT-3	89E-02	F-A	F1.20A	3	CHM-2412-C	01
RCIC	RCIC-3-H-33	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RCIC	RCIC-3-R-44	VT-3	89E-02	F-A	F1.20A		CHM-2412-C	01
RHR	3-47B452-1355	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	07
RHR	3-47B452-1381	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	07
RHR	3-47B452-1382	VT-3	89E-02	F-A	F1.20A	2	ISI-0395-C	07
RHR	3-47B452-1387	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	07
RHR	3-47B452-1388	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	07
RHR	3-47B452-1404	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	02
RHR	3-47B452-1406	VT-3	89E-02	F-A	F1.20A	1	ISI-0395-C	02
RHR	3-47B452-1415	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	03
RHR	3-47B452-1416	VT-3	89E-02	F-A	F1.20A	1	ISI-0395-C	03
RHR	3-47B452-1425	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	04
RHR	3-47B452-1426	VT-3	89E-02	F-A	F1.20A	2	ISI-0395-C	04
RHR	3-47B452-1427	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	04
RHR	3-47B452-1428	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	05
RHR	3-47B452-1433	VT-3	89E-02	F-A	F1.20A	1	ISI-0395-C	05
RHR	3-47B452-1447	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	09
RHR	3-47B452-1449	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	09
	3-47B452-1450	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	09
	3-47B452-1456	VT-3	89E-02	F-A	F1.20A	2	ISI-0395-C	09
RHR	3-47B452-1473	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	07
RHR	3-47B452-1479	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	12
RHR	3-47B452-1487	VT-3	89E-02	F-A	F1.20A	2	ISI-0395-C	11

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	3-47B452-1488	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
RHR	3-47B452-1489	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
RHR	3-47B452-1490	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
	3-47B452-1493	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
	3-47B452-1504	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	06
RHR	3-47B452-1505	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	06
RHR	3-47B452-1509	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	12
RHR	3-47B452-1510	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	12
RHR	3-47B452-1524	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	02
RHR	3-47B452-1525	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	05
RHR	3-47B452-1526	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	04
RHR	3-47B452-1529	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	04
RHR	3-47B452-1530	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	03
RHR	3-47B452-1531	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	03
RHR	3-47B452-1532	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	05
RHR	3-47B452-1534	VT-3	89E-02	F-A	F1.20A	1	ISI-0395-C	03
RHR	3-47B452-1535	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	03
RHR	3-47B452-1536	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	04
RHR	3-47B452-1537	VT-3	89E-02	F-A	F1.20A	2	ISI-0395-C	08
RHR	3-47B452-1538	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	08
RHR	3-47B452-1539	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	08
RHR	3-47B452-1540	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	08
RHR	3-47B452-1543	VT-3	89E-02	F-A	F1.20A	1	ISI-0395-C	08
RHR	3-47B452-1548	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	3-47B452-1549	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	3-47B452-1583	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	15
RHR	3-47B452-1685	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	17
	3-47B452-3168	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
	3-47B452-3191	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	05
	3-47B452H0134	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	08
RHR	RHR-3-H-003	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	RHR-3-H-011A	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	RHR-3-H-011B	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	RHR-3-H-032	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
RHR	RHR-3-H-153	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	16
RHR	RHR-3-H-346	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	14
RHR	RHR-3-R-011	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
RHR	RHR-3-R-018	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	RHR-3-R-079	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	14
RHR	RHR-3-R-084	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	10
RHR	RHR-3-R-097	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	11
RHR	RHR-3-R-163	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	17
RHR	RHR-3-R-167	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	15
RHR	RHR-3-R-175	VT-3	89E-02	F-A	F1.20A		ISI-0395-C	13
CRD	3-47B468-246	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-247	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-249	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-252	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	02
CRD	3-47B468-254	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-255	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-256	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	02
CRD	3-47B468-257	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
	3-47B468-258	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
	3-47B468-259	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-260	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-261	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-263	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
CRD	3-47B468-284	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-285	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	01
CRD	3-47B468-287	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
	3-47B468-289	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
	3-47B468-292	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-294	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	01
CRD	3-47B468-295	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-296	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-297	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-299	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-301	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	01
CRD	3-47B468-302	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-303	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-305	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-312	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-313	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-314	VT-3	89E-02	F-A	F1.20B	2	ISI-0144-C	02
CRD	3-47B468-317	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-318	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	02
CRD	3-47B468-319	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CRD	3-47B468-320	VT-3	89E-02	F-A	F1.20B		ISI-0144-C	01
CS	3-47B458-095	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	02
CS	3-47B458-80	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	01
CS	3-47B458-81	VT-3	89E-02	F-A	F1.20B	2	ISI-0104-C	02
CS	3-47B458-82	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	01
CS	48N1025-03-A	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	01
CS	48N1025-03-B	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	02
CS	48N1025-03-C	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	01
CS	48N1025-03-D	VT-3	89E-02	F-A	F1.20B		ISI-0104-C	02
HPCI	3-47B455-631	VT-3	89E-02	F-A	F1.20B	3	CHM-2413-C	03
HPCI	3-47B455-652	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	02
HPCI	3-47B455-655	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	02
HPCI	3-47B455-659	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	01
HPCI	3-47B455-688	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	01
HPCI	HPCI-3-R-41	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-42	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-43	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-44	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-82	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-92	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-93	VT-3	89E-02	F-A	F1.20B		CHM-2413-C	03
HPCI	HPCI-3-R-94	VT-3	89E-02	F-A	F1.20B	3	CHM-2413-C	03
MS	3-47B400-206	VT-3	89E-02	F-A	F1.20B		ISI-0355-C	01
MS	3-47B400-79	VT-3	89E-02	F-A	F1.20B		ISI-0355-C	01
MS	3-47B400-81	VT-3	89E-02	F-A	F1.20B		ISI-0355-C	01
MS	3-47B400-94	VT-3	89E-02	F-A	F1.20B	2	ISI-0355-C	01
RBCCW	3-47B464-437	VT-3	89E-02	F-A	F1.20B		ISI-0034-C	01
RCIC	3-47B456-654	VT-3	89E-02	F-A	F1.20B	3	CHM-2412-C	01
RCIC	3-47B456-660	VT-3	89E-02	F-A	F1.20B		CHM-2412-C	01
RCIC	3-47B456-661	VT-3	89E-02	F-A	F1.20B		CHM-2412-C	01
RCIC	3-47B456-662	VT-3	89E-02	F-A	F1.20B		CHM-2412-C	01
RHR	3-47B452-119	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	12
	3-47B452-1471	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	07
	3-47B452-1472	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	07
RHR	3-47B452-1474	VT-3	89E-02	F-A	F1.20B	3	ISI-0395-C	09
RHR	3-47B452-1475	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	12
RHR	3-47B452-1478	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	12

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	3-47B452-1486	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	11
RHR	3-47B452-1496	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	06
RHR	3-47B452-1501	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	06
	3-47B452-1595	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	15
	3-47B452-3187	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	16
RHR	3-47B452-3188	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	14
RHR	3-47B452-3189	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	16
RHR	3-47B452-3190	VT-3	89E-02	F-A	F1.20B	3	ISI-0395-C	14
RHR	3-47B452S0223	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	08
RHR	RHR-3-H-007	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	10
RHR	RHR-3-H-010	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	10
RHR	RHR-3-H-012	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	10
RHR	RHR-3-H-023	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	11
RHR	RHR-3-H-024	VT-3	89E-02	F-A	F1.20B	3	ISI-0395-C	11
RHR	RHR-3-H-028	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	11
RHR	RHR-3-R-063	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	13
RHR	RHR-3-R-083	VT-3	89E-02	F-A	F1.20B		ISI-0395-C	11
CS	3-47B458-103	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
CS	3-47B458-151	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
CS	3-47B458-152	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
CS	3-47B458-153	VT-3	89E-02	F-A	F1.20C	3	ISI-0104-C	01
CS	3-47B458-154	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
CS	3-47B458-155	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
CS	3-47B458-156	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
CS	3-47B458-164	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
CS	3-47B458-166	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
CS	3-47B458-167	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
CS	3-47B458-169	VT-3	89E-02	F-A	F1.20C	3	ISI-0104-C	02
	3-47B458-170	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
	3-47B458-171	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	02
CS	3-47B458-84	VT-3	89E-02	F-A	F1.20C		ISI-0104-C	01
HPCI	3-47B455-625	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	03
HPCI	3-47B455-626	VT-3	89E-02	F-A	F1.20C	3	CHM-2413-C	02
HPCI	3-47B455-627	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	03
HPCI	3-47B455-628	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-633	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-636	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-637	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-638	VT-3	89E-02	F-A	F1.20C	3	CHM-2413-C	02
HPCI	3-47B455-639	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-640	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-641	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	03
HPCI	3-47B455-645	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	03
HPCI	3-47B455-650	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-651	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-653	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-657	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
HPCI	3-47B455-666	VT-3	89E-02	F-A	F1.20C	3	CHM-2413-C	01
HPCI	3-47B455-667	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	01
HPCI	3-47B455-670	VT-3	89E-02	F-A	F1.20C		CHM-2413-C	02
MS	HPAS-3-H-01	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-02	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
	HPAS-3-H-03	VT-3	89E-02	F-A	F1.20C	1	ISI-0355-C	02
	HPAS-3-H-04	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-05	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-06	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-07	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
MS	HPAS-3-H-08	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-09	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-10	VT-3	89E-02	F-A	F1.20C	1	ISI-0355-C	02
	HPAS-3-H-11	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
	HPAS-3-H-12	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-13	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-15	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-18	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	HPAS-3-H-21	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	02
MS	MS-3-H-05	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-06	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-07	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-08	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-09	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-10	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-11	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-12	VT-3	89E-02	F-A	F1.20C	1	ISI-0355-C	01
MS	MS-3-H-13	VT-3	89E-02	F-A	F1.20C	1	ISI-0355-C	01
MS	MS-3-H-14	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-15	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-16	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-17	VT-3	89E-02	F-A	F1.20C	1	ISI-0355-C	01
MS	MS-3-H-18	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MS-3-H-19	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MSGE-3-H-01	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
MS	MSGE-3-H-02	VT-3	89E-02	F-A	F1.20C		ISI-0355-C	01
RCIC	3-47B456-655	VT-3	89E-02	F-A	F1.20C		CHM-2412-C	01
	3-47B456-657	VT-3	89E-02	F-A	F1.20C		CHM-2412-C	01
	3-47B456-658	VT-3	89E-02	F-A	F1.20C	3	CHM-2412-C	01
	3-47B456-659	VT-3	89E-02	F-A	F1.20C		CHM-2412-C	01
RCIC	RCIC-3-H-29	VT-3	89E-02	F-A	F1.20C		CHM-2412-C	01
RHR	3-47B452-1380	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	07
RHR	3-47B452-1383	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	07
RHR	3-47B452-1384	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	07
RHR	3-47B452-1385	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	07
RHR	3-47B452-1389	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	07
RHR	3-47B452-1390	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	07
RHR	3-47B452-1400	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	02
RHR	3-47B452-1403	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	02
RHR	3-47B452-1405	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	02
RHR	3-47B452-1422	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	04
RHR	3-47B452-1423	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	04
RHR	3-47B452-1424	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	04
RHR	3-47B452-1432	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	05
RHR	3-47B452-1434	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	05
RHR	3-47B452-1444	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	05
RHR	3-47B452-1445	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
RHR	3-47B452-1451	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
RHR	3-47B452-1452	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
RHR	3-47B452-1453	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
RHR	3-47B452-1457	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
RHR	3-47B452-1458	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
	3-47B452-1459	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	09
	3-47B452-1495	VT-3	89E-02	F-A	F1.20C	3	ISI-0395-C	06
RHR	3-47B452-1499	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	06
RHR	3-47B452-1541	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	08
RHR	3-47B452-1542	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	08

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	3-47B452-1545	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	08
RHR	3-47B452-1547	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	10
RHR	3-47B452-1550	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	08
	3-47B452-408	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	12
	3-47B452-430	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	12
RHR	RHR-3-H-002	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	10
RHR	RHR-3-H-004	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	10
RHR	RHR-3-H-005	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	12
RHR	RHR-3-H-006	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	10
RHR	RHR-3-H-008	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	10
RHR	RHR-3-H-009	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	10
RHR	RHR-3-H-026	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	11
RHR	RHR-3-H-027	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	11
RHR	RHR-3-H-029	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	11
RHR	RHR-3-H-030	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	11
RHR	RHR-3-H-034	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	11
RHR	RHR-3-H-144	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	13
RHR	RHR-3-H-145	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	13
RHR	RHR-3-H-146	VT-3	89E-02	F-A	F1.20C	1	ISI-0395-C	12
RHR	RHR-3-H-157	VT-3	89E-02	F-A	F1.20C	3	ISI-0395-C	10
RHR	RHR-3-H-162	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	12
RHR	RHR-3-H-352	VT-3	89E-02	F-A	F1.20C		ISI-0395-C	11
HPCI	3-47B455-629	VT-3	89E-02	F-A	F1.20D		CHM-2413-C	02
HPCI	HPCI-3-R-78	VT-3	89E-02	F-A	F1.20D		CHM-2413-C	03
HPCI	HPCI-3-R-83	VT-3	89E-02	F-A	F1.20D		CHM-2413-C	03
RCIC	RCIC-3-R-04	VT-3	89E-02	F-A	F1.20D		CHM-2412-C	01
RCIC	RCIC-3-R-22	VT-3	89E-02	F-A	F1.20D		CHM-2412-C	01
	3-47B452-1446	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	09
	3-47B452-1491	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	3-47B452-1492	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	3-47B452-1494	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	3-47B452-1544	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	10
RHR	3-47B452-1557	VT-3	89E-02	F-A	F1.20D	3	ISI-0395-C	10
RHR	RHR-3-R-010	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	RHR-3-R-041	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	12
RHR	RHR-3-R-058	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	12
RHR	RHR-3-R-062	VT-3	89E-02	F-A	F1.20D	3	ISI-0395-C	13
RHR	RHR-3-R-080	VT-3	89E-02	F-A	F1.20D	3	ISI-0395-C	10
RHR	RHR-3-R-081	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	10
RHR	RHR-3-R-094	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	10
RHR	RHR-3-R-099	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	RHR-3-R-102	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	11
RHR	RHR-3-R-158	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	13
RHR	RHR-3-R-159	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	12
RHR	RHR-3-R019	VT-3	89E-02	F-A	F1.20D		ISI-0395-C	10
EECW	3-47B451-2029	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	01
EECW	3-47B451H0001	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
EECW	3-47B451H0002	VT-3	89E-02	F-A	F1.30A	2	ISI-0390-C	02
EECW	3-47B451R0078	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
EECW	3-47B451S0076	VT-3	89E-02	F-A	F1.30A	2	ISI-0390-C	01
EECW	3-47B451S0134	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	03
EECW	3-47B451S0138	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
	3-47B451S0140	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
	3-47B451S0143	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	03
EECW	3-47B451S0150	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	03
EECW	3-47B451S0154	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
EECW	3-47B451S0156	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
EECW	3-47B451S0158	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	03
EECW	3-47B451S0288	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	01
EECW	3-47B451S0289	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	01
	3-47B451S0313	VT-3	89E-02	F-A	F1.30A		ISI-0390-C	02
	3-17B300-275	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-277	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-282	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-284	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-289	VT-3	89E-02	F-A	F1.30A	1	CHM-2416-C	01
RHRWS	3-17B300-291	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-296	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-17B300-298	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	01
RHRWS	3-47B450-250	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-251	VT-3	89E-02	F-A	F1.30A	1	CHM-2416-C	02
RHRWS	3-47B450-259	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-261	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-267	VT-3	89E-02	F-A	F1.30A	1	CHM-2416-C	02
RHRWS	3-47B450-269	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-280	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-282	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-284	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-290	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-291	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-294	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-295	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-298	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-299	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-304	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
	3-47B450-305	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
	3-47B450-308	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-314	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-316	VT-3	89E-02	F-A	F1.30A	1	CHM-2416-C	03
RHRWS	3-47B450-317	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	03
RHRWS	3-47B450-374	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
RHRWS	3-47B450-375	VT-3	89E-02	F-A	F1.30A		CHM-2416-C	02
EECW	3-47B451H0014	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0057	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0063	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0064	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0065	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0066	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0067	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	01
EECW	3-47B451R0068	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0069	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0070	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0073	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0074	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451R0075	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451R0076	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451R0079	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451R0080	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451R0081	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
	3-47B451R0082	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
	3-47B451R0083	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0070	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451S0072	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451S0073	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	01



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
EECW	3-47B451S0074	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451S0130	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0131	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
	3-47B451S0132	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	03
	3-47B451S0133	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0135	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	03
EECW	3-47B451S0136	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0137	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0139	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0141	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0142	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	02
EECW	3-47B451S0144	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0145	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0146	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0147	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0148	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0149	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0151	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0152	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0153	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0155	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0157	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0159	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0160	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0161	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0162	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0163	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0164	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
	3-47B451S0165	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
EECW	3-47B451S0166	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0167	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	03
EECW	3-47B451S0290	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451S0305	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	01
EECW	3-47B451S0309	VT-3	89E-02	F-A	F1.30B	2	ISI-0390-C	02
EECW	3-47B451S0320	VT-3	89E-02	F-A	F1.30B		ISI-0390-C	02
FPC	3-47B454-485	VT-3	89E-02	F-A	F1.30B		CHM-2429-C	02
FPC	3-47B454-486	VT-3	89E-02	F-A	F1.30B		CHM-2429-C	02
FPC	3-47B454-529	VT-3	89E-02	F-A	F1.30B	1	CHM-2429-C	02
RHRWS	3-17B300-274	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-276	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-281	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-283	VT-3	89E-02	F-A	F1.30B	1	CHM-2416-C	01
RHRWS	3-17B300-288	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-290	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-295	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-17B300-297	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	01
RHRWS	3-47B450-249	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-252	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-253	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-254	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-258	VT-3	89E-02	F-A	F1.30B	1	CHM-2416-C	02
RHRWS	3-47B450-260	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
	3-47B450-262	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
	3-47B450-266	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-270	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-281	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHRWS	3-47B450-285	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02



System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RHR	3-47B450-286	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHR	3-47B450-287	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHR	3-47B450-289	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-292	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-293	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-296	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-297	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-300	VT-3	89E-02	F-A	F1.30B	1	CHM-2416-C	03
RHR	3-47B450-302	VT-3	89E-02	F-A	F1.30B	1	CHM-2416-C	03
RHR	3-47B450-303	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-306	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-307	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-313	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-315	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-348	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHR	3-47B450-355	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-362	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	02
RHR	3-47B450-369	VT-3	89E-02	F-A	F1.30B		CHM-2416-C	03
RHR	3-47B450-255	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	02
RHR	3-47B450-257	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	02
RHR	3-47B450-268	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	02
RHR	3-47B450-279	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	02
RHR	3-47B450-288	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	03
RHR	3-47B450-309	VT-3	89E-02	F-A	F1.30C	1	CHM-2416-C	03
RHR	3-47B450-310	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	03
RHR	3-47B450-312	VT-3	89E-02	F-A	F1.30C		CHM-2416-C	03
CS	CSH-3-1	VT-3	89E-02	F-A	F1.40B	3	ISI-0104-C	01
CS	CSH-3-2	VT-3	89E-02	F-A	F1.40B		ISI-0104-C	01
CS	CSH-3-3	VT-3	89E-02	F-A	F1.40B		ISI-0104-C	02
CS	CSH-3-4	VT-3	89E-02	F-A	F1.40B		ISI-0104-C	02
HPCI	HPCIH-3-2	VT-3	89E-02	F-A	F1.40B	3	CHM-2413-C	02
HPCI	HPCIH-3-3	VT-3	89E-02	F-A	F1.40B	3	CHM-2413-C	02
RCIC	RCICH-3-1	VT-3	89E-02	F-A	F1.40B	3	CHM-2412-C	01
RHR	RHRG-3-12-A	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-12-B	VT-3	89E-02	F-A	F1.40B	2	ISI-0422-C	01
RHR	RHRG-3-12-C	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-12-D	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-13-A	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-13-B	VT-3	89E-02	F-A	F1.40B	2	ISI-0422-C	01
RHR	RHRG-3-13-C	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-13-D	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-14-A	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-14-B	VT-3	89E-02	F-A	F1.40B	2	ISI-0422-C	01
RHR	RHRG-3-14-C	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRG-3-14-D	VT-3	89E-02	F-A	F1.40B		ISI-0422-C	01
RHR	RHRPH-3-A	VT-3	89E-02	F-A	F1.40B	3	ISI-0311-B	01
RHR	RHRPH-3-B	VT-3	89E-02	F-A	F1.40B		ISI-0311-B	01
RHR	RHRPH-3-C	VT-3	89E-02	F-A	F1.40B		ISI-0311-B	01
RHR	RHRPH-3-D	VT-3	89E-02	F-A	F1.40B		ISI-0311-B	01
RPV	RPV-SUPP-3-1	VT-3	89E-02	F-A	F1.40B	2	ISI-0416-C	02
FW	3-47B415-41	VT-3	89E-02	F-A	F1.40C	2	ISI-0336-C	01
FW	3-47B415-44	VT-3	89E-02	F-A	F1.40C		ISI-0336-C	01
R	3-47B465-467	VT-3	89E-02	F-A	F1.40C		ISI-0337-C	01
R	3-47B465-483	VT-3	89E-02	F-A	F1.40C	2	ISI-0337-C	02
RECIR	3-47B465-500	VT-3	89E-02	F-A	F1.40C	1	ISI-0337-C	02
RECIR	3-47B465-501	VT-3	89E-02	F-A	F1.40C	1	ISI-0337-C	02
RECIR	3-47B465-502	VT-3	89E-02	F-A	F1.40C	1	ISI-0337-C	02

System	Compno	Exammeth	Prisimexre	Codecat	Itemno	Exint2per	Isidwgn	Shno
RECIR	3-47B465-516	VT-3	89E-02	F-A	F1.40C		ISI-0337-C	01
RECIR	3-47B465-517	VT-3	89E-02	F-A	F1.40C		ISI-0337-C	01
RECIR	3-47B465-518	VT-3	89E-02	F-A	F1.40C		ISI-0337-C	01
	RPV-STAB-3-1	VT-3	89E-02	F-A	F1.40C	3	ISI-0416-C	01
	RCIC-3-R-23	VT-3	89E-02	F-A	F1.40D	3	CHM-2412-C	01
RECIR	3-47B465-497	VT-3	89E-02	F-A	F1.40D	1	ISI-0337-C	02
RECIR	3-47B465-498	VT-3	89E-02	F-A	F1.40D	1	ISI-0337-C	02
RECIR	3-47B465-499	VT-3	89E-02	F-A	F1.40D	1	ISI-0337-C	02
RECIR	3-47B465-503	VT-3	89E-02	F-A	F1.40D	1	ISI-0337-C	02
RECIR	3-47B465-504	VT-3	89E-02	F-A	F1.40D	2	ISI-0337-C	02
RECIR	3-47B465-505	VT-3	89E-02	F-A	F1.40D	3	ISI-0337-C	02
RECIR	3-47B465-513	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01
RECIR	3-47B465-514	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01
RECIR	3-47B465-515	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01
RECIR	3-47B465-519	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01
RECIR	3-47B465-520	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01
RECIR	3-47B465-521	VT-3	89E-02	F-A	F1.40D		ISI-0337-C	01



ENCLOSURE 2

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

UNIT 3

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI
SECOND TEN-YEAR INTERVAL

SYSTEM PRESSURE TEST PROGRAM

(SEE ATTACHED)



INSERVICE SYSTEM PRESSURE TEST PROGRAM
FOR THE SECOND 10-YEAR INTERVAL

BROWNS FERRY NUCLEAR PLANT
UNIT 3



INSERVICE PRESSURE TEST PROGRAM

Owner : Tennessee Valley Authority

Address of Corporate Office : Knoxville Office Complex
400 Commerce Avenue
Knoxville, Tennessee 37902

Name and Address of
Nuclear Power Plant : Browns Ferry Nuclear Plant
Post Office Box 2000
Decatur, Alabama 35609-2000

Applicable Nuclear Units : Browns Ferry Nuclear Plant
Unit 3

Commercial Operation Date : March 1, 1977



TABLE OF CONTENTS

- 1.0 STATEMENT OF APPLICABILITY
- 2.0 PURPOSE
- 3.0 INSPECTION INTERVAL AND INSPECTION PERIODS
- 4.0 CODE OF RECORD
- 5.0 REQUESTS FOR RELIEF
- 6.0 TENTATIVE SYSTEM PRESSURE TEST SCHEDULE

1.0 STATEMENT OF APPLICABILITY

This program outlines the requirements for performing ASME Section XI system pressure tests during the second 10-year inspection interval for Browns Ferry Nuclear Plant (BFN) Unit 3 systems which are classified ASME Code Class 1, 2 or 3, or equivalent, and contain water, steam or radioactive waste (other than radioactive waste management system).

The requirements of this program are applicable during the second 10-year inspection interval which begins on November 19, 1996.

Specifics concerning performance of system pressure tests are not part of this program outline, but are contained in plant surveillance instructions.

2.0 PURPOSE

This program is designed to meet the requirements of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code which pertain to the inservice pressure testing of pressure retaining code class 1, 2 and 3 components at BFN during the second 10-year inspection interval. Compliance with Section XI of the ASME Boiler and Pressure Vessel Code is required by Part 50 of Title 10 of the Code of Federal Regulations.

3.0 INSPECTION INTERVAL AND INSPECTION PERIODS

The second 10-year inspection interval for BFN Unit 3 begins on November 19, 1996. Due to the extension of the first 10-year inspection interval by one year, as allowed by subarticle IWA-2400 of Section XI of the ASME Code. The second 10-year inspection interval will be nine calendar years in length. The second 10-year inspection interval will end in November 2005, and will be divided into three inspection periods of three years each. The dates of the three inspection periods are:

First inspection period	-	November 19, 1996 to November 18, 1999
Second inspection period	-	November 19, 1999 to November 18, 2002
Third inspection period	-	November 19, 2002 to November 18, 2005



4.0 CODES OF RECORD

4.1 PRIMARY CODE EDITION

This program is prepared to meet the requirements of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1989 Edition.

4.2 ADOPTED PORTIONS OF LATER EDITIONS AND ADDENDA

None.

4.3 ADOPTED ASME SECTION XI CODE CASES

None.

5.0 REQUEST FOR RELIEF

All request for relief from the requirements of Section XI of the ASME Boiler and Pressure Vessel Code which pertain to inservice pressure tests shall be submitted to the United States Nuclear Regulatory Commission (NRC) for approval pursuant to paragraph 50.55a (g) (5) of Title 10 of the Code of Federal Regulations Part 50.

Upon approval by NRC, all requests for relief and commitments for alternate testing shall become part of this program, and be included in this section (Section 5.0) of the program.

3-SPT-1	(Code Case N-416-1) - Alternative Pressure Test Requirements for Welded Repairs or Installation of Replacement Items by Welding.
3-SPT-2	(Code Case N-498-2) - Alternative Requirements for 10-year System Hydrostatic Pressure Testing for Class 1, 2 and 3 Systems.
3-SPT-3	(Code Case N-546) - Alternate Requirements for Qualification of VT-2 Examination Personnel
3-SPT-4	(Code Case N-566) - Corrective Action for Leakage Identified at Bolted Connections
3-SPT-5	(Code Case N-522) - Pressure Testing of Containment Penetration Piping when piping and isolation valves are Class 2 and the balance of the piping system is outside the scope of Section XI.



**TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3**

**REQUEST FOR RELIEF 3-SPT-1
(Code Case N-416-1)**

- | | |
|-------------------------------------|---|
| SYSTEMS | - Various American Society of Mechanical Engineers (ASME) Section XI |
| DRAWINGS | - Various |
| COMPONENTS | - Class 1, 2 and 3 pressure retaining components |
| CODE CLASS | - 1, 2 and 3 |
| FUNCTION | - Pressure retaining boundary |
| IMPRACTICAL
TEST
REQUIREMENTS | <p>- ASME Boiler and pressure Vessel Code Section XI, 1989 Code Edition IWA-4400(a) and IWA-4600 (a) require the performance of hydrostatic testing on pressure retaining boundaries of Class 1, 2, and 3 components after repairs by welding or the installation of replacement items by welding.</p> <p>The applicable edition of Section XI of the ASME Code for System Pressure Tests is the 1989 Edition for Unit 3.</p> <p>The applicable edition of Section XI for the ASME Code for Repair and Replacement is the 1989 Edition for all three units.</p> |
| BASIS FOR RELIEF | - Elevated pressure tests are difficult to perform and often represent a true hardship. Some difficulties associated with elevated pressure testing include the following: |



- Hydrostatic testing often requires complicated or abnormal valve line-ups in order to properly vent, fill, and isolate the components requiring testing.
- Relief valves with setpoints lower than the hydrostatic test pressure must be gagged or removed and blind flanged. This process requires the draining and refilling of the system.
- Valves that are not normally used for isolation (e.g., normally open pump discharge valves) are often required to provide pressure isolation for an elevated pressure hydrostatic test. These valves frequently require time consuming seal maintenance in order to allow for pressurization.
- The radiation exposure required to perform a hydrostatic pressure test is high in comparison to a system leakage test. The amount of time required to prepare the volume for hydrostatic pressure testing (i.e., installing relief valve gags, performing appropriate valve line-ups, etc.) is significantly large.
- Temporary support installation and pinning of spring cans are sometimes needed to compensate for the additional weight added to systems during hydrostatic tests.

The difficulties encountered in performing a hydrostatic pressure test are prohibitive when weighed against the benefits. Industry experience, which is supported by BFN's experience, shows that most through-wall leakage is detected during system operation as opposed to elevated pressure tests.

Little benefit is gained from the added challenge to the piping system provided by an elevated pressure hydrostatic test (when compared to a system leakage test), especially when one considers that the piping stress experienced during a hydrostatic test does not include the stresses associated with the thermal growth and dynamic loading for design events.



The acceptability of performing nominal operating pressure tests, in lieu of hydrostatic test, is supported by the approval by the Board of Nuclear Codes and Standards of ASME Code Case N-416-1, "Alternative Pressure Test Requirements for Welded Repairs or Installation of Replacement Items by Welding." This code case allows a system leakage test at nominal operating pressure and temperature to be used in lieu of a hydrostatic test, provided that non-destructive examination (NDE) of the weld(s) is performed in accordance with the methods and acceptance criteria of the applicable Subsection of the 1992 Edition of Section III.

TVA considers that the above guidance is sufficient for Code Class 1 and 2 components since the code requires volumetric examination of repairs or replacements in Code Class 1 and 2 components. However, the code only requires a surface examination of the final weld pass in Code Class 3 components. Accordingly, TVA proposes to supplement the examination requirements specified in N-416-1 with additional surface examinations as specified below in the Alternative Testing description.

Note that ASME Code Case N-416-1 has been previously authorized for use by the NRC for BFN Units 1, 2 and 3; reference F. J. Hebdon memorandum to O. D. Kingsley dated August 18, 1995.

ALTERNATIVE TESTING

As an alternative to the existing Section XI requirements, BFN will utilize the provisions of ASME Code Case N-416-1 along with the following additional NDE requirements for Class 3 components.

When performing repairs by welding or the installation of replacement items by welding on the pressure retaining boundary of Class 3 components, NDE shall be performed in accordance with the methods and acceptance criteria of Subsection ND of the 1992 Edition of Section III. In addition, when the surface examination method is used in accordance with ND-552 for a butt or socket weld, an additional surface examination shall be performed on the root (pass) layer.

**TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3**

**REQUEST FOR RELIEF 3-SPT-2
(Code Case N-498-2)**

- | | |
|-------------------------------------|---|
| SYSTEMS | - Various American Society of Mechanical Engineers (ASME) Section XI |
| DRAWINGS | - Various |
| COMPONENTS | - Class 1, 2 and 3 pressure retaining components |
| CODE CLASS | - 1, 2 and 3 |
| FUNCTION | - Pressure retaining boundary |
| IMPRACTICAL
TEST
REQUIREMENTS | <p>- 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems. ASME Boiler and Pressure Vessel Code Section XI, Division 1, Table IWB-2500-1, Category B-P; Table IWD-2500-1, Category C-H; and Table IWD-2500-1, Categories D-A, D-B, and D-C.</p> <p>The applicable edition of Section XI of the ASME Code for System Pressure Tests is the 1989 Edition for Unit 3.</p> |
| BASIS FOR RELIEF | - ASME Code Case N-498 has been accepted by the NRC as listed in Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability ASME Section XI Division 1." This Code Case allows the use of an inservice leakage test in lieu of a hydrostatic pressure test when performing the required 10-year pressure test for Class 1 and 2 systems. ASME Code Case N-498-1 extends the use of this alternate test method to Class 3 systems and N-498-2 removes the hold time requirements. |



Elevated pressure tests are difficult to perform and often represent a true hardship. Some difficulties associated with elevated pressure testing include the following:

- Hydrostatic testing often requires complicated or abnormal valve line-ups in order to properly vent, fill, and isolate the components requiring testing.
- Relief valves with setpoints lower than the hydrostatic test pressure must be gagged or removed and blind flanged. This process may require the draining and refilling of the system.
- Valves that are not normally used for isolation (e.g., normally open pump discharge valves) are often required to provide pressure isolation for an elevated pressure hydrostatic test. These valves frequently require time consuming seal maintenance in order to allow for pressurization.
- The radiation exposure required to perform a hydrostatic pressure test is high in comparison to a system leakage test. The amount of time required to prepare the volume for hydrostatic pressure to prepare the volume for hydrostatic pressure testing (i.e., installing relief valve gags, performing appropriate valve line-ups, etc.) is significantly large.
- Temporary support installation and pinning of spring cans are sometimes needed to compensate for the additional weight added to systems during hydrostatic tests.
- In the case of raw water systems, check valves do not provide good test boundaries. This requires blanking in order to establish a test boundary that can be pressurized.

The difficulties encountered in performing a hydrostatic pressure test are prohibitive when weighed against the benefits. Industry experience, which is supported by BFN's experience, shows that most through-wall leakage is detected during system operation as opposed to elevated pressure tests.



Little benefit is gained from the added challenge to the piping system provided by an elevated pressure hydrostatic test (when compared to a system leakage test), especially when one considers that the piping stress experienced during the hydrostatic test does not include the stresses associated with the thermal growth and dynamic loading for design events.

ASME Code Case N-498-1 recognized that inspection for leaks at normal system operating pressure is also adequate for Class 3 systems and components in lieu of a hydrostatic test. N-498-2 has removed the hold time requirements. This alternative provides for sufficient verification of the pressure retaining boundary integrity without the additional workload associated with the performance of a hydrostatic test.

The acceptability of performing nominal operating pressure tests, in lieu of hydrostatic tests, is supported by the approval by the Board of Nuclear Codes and Standards of ASME Code Case N-498-2, "Alternative Rules for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems, Section XI, Division 1." TVA considers the ASME Code Case N-498-2 requirements to be an acceptable alternative to the 10-year hydrostatic testing requirements.

Note that ASME Code Case N-498-1 has been previously authorized for use by the NRC for BFN Units 1, 2 and 3; reference F. J. Hebdon memorandum to O. D. Kingsley dated August 18, 1995.

ALTERNATIVE TESTING

As an alternative to the existing Section XI requirements, BFN will utilize the provisions of ASME Code Case N-498-2.



**TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3**

**REQUEST FOR RELIEF 3-SPT-3
(Code Case N-546)**

- | | |
|-------------------------------------|--|
| SYSTEMS | - Various American Society of Mechanical Engineers (ASME) Section XI |
| DRAWINGS | - Various |
| COMPONENTS | - Class 1, 2 and 3 pressure retaining components |
| CODE CLASS | - 1, 2 and 3 |
| FUNCTION | - Pressure retaining boundary |
| IMPRACTICAL
TEST
REQUIREMENTS | - ASME Section XI, Subsection IWA-2300 requires that personnel performing VT-2 visual examinations be qualified and certified using a written, approved procedure prepared in accordance with SNT-TC-1A and the additional requirements of Division 1 of ASME Section XI. |
| BASIS FOR RELIEF | - The use of Code Case N-546 will allow experienced plant personnel to perform VT-2 examinations during the performance of system pressure tests. Experienced plant personnel are knowledgeable of the plant systems and routinely perform walkdowns of plant systems looking for abnormalities such as leaks in piping systems. They are more familiar with the location of piping systems and can therefore perform VT-2 examinations in a more timely manner. Using experienced plant personnel will also eliminate the need for hiring additional personnel fully certified to IWA-2300, especially during refueling outages when pressure tests are performed and IWA-2300 personnel are scarce. Since the VT-2 examination is an examination for the evidence of leakage, the use of plant personnel certified to the N-546 alternative requirements; and who typically perform this type of |

examination during their daily jobs, will not compromise the quality or safety of the systems examined.

ALTERNATIVE TESTING

- As an alternative to the existing Section XI requirements, BFN will utilize the provisions of ASME Code Case N-546.

Personnel must have at least 40 hours plant walkdown experience, such as gained by licensed and non-licensed plant operators, local leak rate personnel, system engineers and inspection and non-destructive examination personnel.

Individuals must have at least 4 hours of training in Section XI requirements and plant specific procedures for visual examinations.

Each person must meet (the annual) vision test requirements in accordance with ASME Section XI, paragraph IWA-2321, 1995 Edition.

**TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3**

**REQUEST FOR RELIEF 3-SPT-4
(Code Case N-566)**

SYSTEMS	- Various American Society of Mechanical Engineers (ASME) Section XI
DRAWINGS	- Various
COMPONENTS	- Class 1, 2 and 3 pressure retaining bolted connections
CODE CLASS	- 1, 2 and 3
FUNCTION	- Pressure retaining boundary
IMPRACTICAL TEST REQUIREMENTS	- IWA-5250 (a)(2) - if leakage occurs at a bolted connection, the bolting shall be removed, VT-3 visually examined for corrosion, and evaluated in accordance with IWA-3100
BASIS FOR RELIEF	- ASME Section XI inservice pressure tests are, as a rule performed with the system in service. In particular, the Code Class 1 leakage tests are performed as the unit is returning to service following each refueling outage. The requirement to remove bolting from a mechanical connection when evidence of leakage is detected can create significant hardship on the plant which is not commensurate with the increase in the level of quality and safety that is provided. For systems that are aligned to normal plant operating configuration during testing, paragraph IWA-5250 (a)(2) may require the system be taken out of service and depressurized to permit removal of one of the bolts prior to any type of engineering analysis of the connection.



Stoppage of the leakage and/or an engineering evaluation of the leak and the affected mechanical connection may be able to determine that sufficient structural integrity exists in the connection.

ALTERNATIVE TESTING

- As an alternative to the existing Section XI requirements, BFN will utilize the provisions of ASME Code Case N-566 which states that one of the following requirements shall be met for leakage at bolted connections:
 - a) The leakage shall be stopped and the bolting and component material shall be reviewed for joint integrity.
 - b) If the leakage is not stopped, the joint shall be evaluated in accordance with IWB-3142.4 for joint integrity. This evaluation shall include consideration of the number and condition of bolts, leaking medium, bolt and component material, system function and leakage monitoring.

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3

REQUEST FOR RELIEF 3-SPT-5
(Code Case N-522)

SYSTEMS	- Systems outside the scope of Section XI except for their Class 2 piping and isolation valves penetrating containment.
DRAWINGS	- 3-47E822-1 3-47E852-1 3-47E852-2 3-47E856-2
COMPONENTS	- Piping that penetrated a containment vessel
CODE CLASS	- 2
FUNCTION	- Pressure retaining boundary
IMPRACTICAL TEST REQUIREMENTS	- Table IWC-2500-1, Category C-H, requires visual VT-2 examinations during, a) IWC-5221, System Pressure Test During System Functional and System Inservice Tests and b) IWC-5222, System Hydrostatic Tests
BASIS FOR RELIEF	- The 10 CFR 50, Appendix J program tests the primary containment pressure boundary and verifies the boundary integrity. All piping and penetrations of primary containment are tested; this includes systems outside the scope of Section XI, where their Class 2 piping and isolation valves penetrate containment.



Portions of the subject systems are classified as Class 2 only because they are a piping system that penetrates primary containment and as such integrity for primary containment purposes is important to nuclear safety. The actual system process functions are not safety-related and are not important to nuclear safety. Code Case N-522 acknowledges this and allows verification of the penetration piping and valves integrity per the containment testing program, as required by 10 CFR 50 Appendix J in lieu of the IWC-5221/5222 pressure tests.

Appendix J local Leak rate testing is performed each refueling outage at a minimum pressure of 49.6 psig (accident pressure). This frequency exceeds the requirements of Section XI (every 3 years).

Implementation of this Code Case will eliminate the need for approval and maintenance of eight surveillance procedures. It will also eliminate the craft, inspector, operations, and engineering manpower and radiation exposure associated with performance of the tests (estimated at 400 man-hours and 1 manrem, respectively).

Performance of these tests requires drywell entry to allow inspection of the Class 2 components in the drywell. This would typically be done during a refueling outage, which would use resources that could be dedicated instead to completing the outage.

The pressure retaining function of these lines and valves are already being verified by the App. J program. Redundant testing provides little additional benefit in quality or safety while costing significant resources and additional radiation exposures.

ALTERNATIVE TESTING

- As an alternative to the existing Section XI, Table IWC-2500-1, Category C-H requirements, BFN will utilize the provisions of ASME Code Case N-522 which states that 10 CFR 50, Appendix J may be used.



6.0 TENTATIVE SYSTEM PRESSURE TEST SCHEDULE

TENNESSEE VALLEY AUTHORITY BROWNS FERRY NUCLEAR PLANT (BFN), UNIT 3

SYSTEM DESCRIPTION	CODE CLASS	UNIT 3 FUEL CYCLE						
		7	8	9	10	11	12	13
Reactor Recirculation	1	L	L	L	L	L	H	
Main Steam System	2		I		I		H	
Drywell Equipment and Floor Drain penetrations §	2		I		I		H	
Fuel Pool Cooling	3			I*		I#		H
Standby Liquid Control	2		F		F		H	
Demineralized Water penetration §	2		I		I		H	
Core Spray	2			F*		F#		H
Control Rod Drive	2		I		I		H	
Residual Heat Removal	2		I			I#		H
High Pressure Coolant Injection	2		F		F		H	
Reactor Core Isolation Cooling	2			F*		F#		H
Reactor Building Closed Cooling Water penetrations §	3		I		I		H	
RHR Service Water	3			I*		I#		H
Emergency Equipment Cooling Water	3			I*		I#		H

LEGEND: F - System functional test {IWA-5211 (b)}

H - Hydrostatic pressure test {IWA-5211 (d)}, or code case N-498-2 equivalent

I - System inservice test {IWA-5211 (c)}

L - Code class 1 system leakage test {IWA-5211 (a)}

§ - These testing requirements will be satisfied by App. J testing following
authorization of relief request 3-SPT-5

* - Before 11/99

- Before 11/02

