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Tennessee Valley Authority

Welding Project

Bellefonte Nuclear Plant

Phase II Review

Volume X

9402030082

TENNESSEE VALLEY AUTHORITY

BELLEFONTE NUCLEAR PLANT

TVA WELDING PROJECT

BELLEFONTE PHASE II

REVIEW AND PROGRAM RESULTS

September 30, 1993

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BACKGROUND

This report (Volume X of the Welding Project Reports) is the culmination of work started in 1985 to satisfy the TVA commitment to evaluate welding at each TVA nuclear site on a programmatic basis with the Bellefonte site being the last to be evaluated. Volume I of the Welding Project Reports contains the plan approved by the Nuclear Regulatory Commission for accomplishing the programmatic evaluation. Volume I was submitted to the NRC by letter from J. A. Domer to Harold R. Denton, dated February 7, 1986 (L44860207800).

The programmatic evaluation of welding for each TVA nuclear site was performed using a two phase plan. Phase I was an in depth evaluation of the written program for each nuclear site to determine if the welding related licensing commitments were being satisfied by the programs. This evaluation identified the welding related licensing commitments for each nuclear site and evaluated the written programs of engineering, construction, and operations to determine if the licensing commitments are embodied in the written programs. Phase II was an in depth assessment of the implementation of the written programs for each nuclear site.

Reports describing the evaluations for the Sequoyah, Browns Ferry and Watts Bar Nuclear sites have already been submitted to the NRC as described below.

Volume #	Title	Date Submitted
II	Welding Project Sequoyah Nuclear Plant Phase I Review	2/07/86
III	Welding Project Sequoyah Nuclear Plant Phase II Review and Program Results	4/25/86
IV	Welding Project Browns Ferry Nuclear Plant Phase I Review	2/06/87
V	Welding Project Browns Ferry Nuclear Plant Phase II Review	3/07/88
VI	Welding Project Watts Bar Nuclear Plant Phase I Review	2/21/89
VII	Welding Project Watts Bar Nuclear Plant Phase II Review	4/10/89

In addition to the reports for the individual sites, a report (Vol. VIII) summarizing the overall TVA results, except for Bellefonte, was submitted to the NRC by letter dated August 25, 1989, (L44890825800).

The work activities to perform both Phase I and Phase II evaluations for the Bellefonte site were in process at the time of deferral of the Bellefonte units in 1988. Because of the deferral, all Welding Project work activities for Bellefonte were terminated in September 1988. The Welding Project as an independent organization was disbanded after the submittal of Volume VIII of the Welding Project Reports in 1989.

In the fall of 1991 the Bellefonte Site Management decided to complete the Welding project evaluation of Bellefonte. The work to complete the Bellefonte evaluation was accomplished using Welding Project procedures to the maximum extent possible and under the direction of former TVA employees who had been responsible for the work prior to deferral of the Bellefonte Units. Since the work was being accomplished using Welding Project procedures, the decision was made to issue the reports as

Welding Project reports.

The Phase I work was completed in August of 1992 with the issuance of Volume IX of the Welding Project reports to site licensing. The report was not submitted to the NRC at that time because Bellefonte was still in a deferred status.

EXECUTIVE SUMMARY

This report summarizes the results of the Welding Project Phase II work activities for the Bellefonte site. The report contains the results of the independent implementation audit by a Bechtel Power Corporation Audit Team; the reinspection data for welds for 316 structural items, 89 HVAC duct welds, and 517 mechanical piping welds; the welding project evaluation of the reinspection data; and the welding project overall assessment of the TVA welding at the Bellefonte site.

An audit team from Bechtel Power Corporation conducted an implementation audit of the Bellefonte site welding program in 1986. The audit team did not have any findings and did not find any objective evidence to substantiate any of the employee concerns considered. The Audit Team concluded that the welding program at Bellefonte satisfied commitments.

The Welding Project evaluation of the reinspection data for the welds for the 316 structural items shows that the welding program implementation produced acceptable welds meeting design stress allowables for all classes of structures except for the Reactor Building floor framing welded connections, welded studs, and connections with unusual or unique details.

The Welding Project evaluation of the 89 HVAC duct welds shows that the welding program implementation produced welds meeting design stress requirements for the HVAC duct welds.

The Welding Project evaluation of the 517 mechanical piping welds shows that the welding program implementation produced welds meeting code requirements except for a slip-on flange weld that did not meet minimum size criteria but did meet pressure/temperature requirements, an electrical penetration pipe weld with unacceptable porosity, and a main steam line weld that was ground excessively during the characterization of a surface indication but that had an acceptable radiographic examination.

All of the items evaluated as unacceptable will be evaluated/repaired under the site corrective action program to meet design requirements and licensing commitments.

The Welding Project overall evaluation of the TVA welding at the Bellefonte site is that the program, with the exceptions noted above, produced acceptable weldments that meet code or specification requirements and licensing commitments. The program evolved over time with improvements being made as problem areas were identified. The problem areas were documented as nonconformances and effective corrective action implemented. The retraining and certification of visual inspectors in 1980 - 1981 is a good example of the effective corrective actions that were implemented as well as the program to audit visual weld inspections as required by Standard Operating Procedure WEU-SOP-716 issued May 14, 1981.

Once the corrective actions for the deficiencies are complete, the TVA welds at Bellefonte will meet licensing commitments.

1.0 INTRODUCTION

The Welding Project (WP) of the Tennessee Valley Authority (TVA) reviewed the Bellefonte Nuclear Plant (BLN) welding program using a two phase process. This approach is outlined in TVA Welding Project Program Description (Volume 1) transmitted to the Nuclear Regulatory Commission (NRC) on January 17, 1986. The purpose of Phase I was to ensure that the TVA welding program, design documents, policies and procedures correctly reflect TVA's commitments to regulatory requirements and to identify and categorize concerns/deficiencies in the BLN welding program.

The results of the Phase I review are included in the Tennessee Valley Authority Welding Project Bellefonte Nuclear Plant Phase I Review (Volume IX) which is being transmitted to the NRC with this report. The WP investigation of the welding program at BLN was to access the effectiveness of the program in meeting TVA's Commitments and producing quality welds including appropriate documentation.

The TVA Phase I Report (Volume IX) noted no significant deviations from commitments. The report also states the BLN program contained the elements needed to meet the TVA licensing commitments and that the commitments have been properly reflected in the governing specifications and drawings.

The primary purposes of Phase II were to:

1. Evaluate the implementation of procedures for both construction and operation phases.

2. Verify that installed weldments made by TVA meet commitments and requirements or are suitable for service.

3. Correct any problems and implement changes to prevent recurrence.

Phase II consisted of a comprehensive review of specific and generic employee concerns, an independent audit by Bechtel Power Corporation (Bechtel) of the welding program implemented during construction and the nuclear operations welding program in place at the time of the audit (1986). Phase II also included a reinspection of welds at BLN by TVA inspectors augmented by contract inspectors from Fluor Daniels Technical Services overviewed by independent third party inspectors from Bechtel Power Corporation.

The independent audit conducted by Bechtel did not substantiate any Employee Concerns considered by the audit team. The independent audit affirmed that TVA had effective programs related to welding and Nondestructive Examination (NDE). The Bechtel Audit is found in Section 2.0 of this report.

The results of the reinspection revealed that a high percentage of the weld segments reinspected meet design requirements. Complete details of the reinspection are contained in Section 3.0 of this report. The reinspection results did not substantiate any of the specific or non-specific employee concerns.

Evaluation of the reinspection data confirmed that the changes made to the program in 1980 (mandatory classroom training and issuance of easier to use inspection tools) resulted in a marked improvement in inspection quality for structural welds and for mechanical fillet and socket welds.

The Welding Project activities to accomplish the Phase I and Phase II scope of work provide a very significant evaluation of the welding performed at the Bellefonte site by TVA.

A complete summary of all the recommendations and the final conclusion statement are contained in Section 4.0 of this report.

2.0 BECHTEL AUDIT

2.1 Introduction

The independent Bechtel audit of the BLN welding program implementation during construction was conducted during the period of March 28, 1986, to April 4, 1986. The audit also evaluated the effect of welding related employee concerns on the program. There were four audit team members and an audit team leader. The personnel had specific expertise in the audit areas assigned as required by the TVA WP Program Description, Volume I, Page 9, Paragraph IV, Part I. An audit checklist identified as TVA-03-OC was prepared in accordance with the Audit Plan included in Section 2.4 and utilized by the audit team for the review of the Office of Construction Program. Since no quality program welding had been performed under the Nuclear Operations program, the audit was limited in scope and a formal checklist was not used. The audit checklist for construction was structured with 17 Key Elements and supplemental attributes which were used to conduct the audit. The audit report and copy of the checklist used are included in Section 2.5.

The audit included review of documentation and procedures for randomly selected welds in portions of several safety related systems. The welds selected from these systems represent a cross-section which allowed access to all applicable weld program procedures and specifications. The welds selected are listed on Sheet 1, Pages 1, 2, and 3 attached to the audit checklist. These welds were used throughout the audit to generate other auditable items, e.g., list of welders, list of Nondestructive Examination (NDE) inspections, list of drawings, nonconformance reports and corrective actions, welding and heat treatment procedures, materials, and training records for craft, engineering and supervision. These items are shown on Sheets 2 through 8 of the audit checklists.

The Bechtel audit confirmed TVA has had a welding program in place during construction of BLN that meets licensing commitments. The operations welding program has the elements to meet TVA's licensing commitments. Although there were some observations, the WP has concluded that none of the observations had an adverse effect on the installed weldments.

2.2 Summary

2.2.1 Audit of the Office of Construction, Audit TVA-03-OC

The Bechtel Audit had no findings for the Bellefonte site but did have five observations. The WP investigation of those elements with observations is detailed below.

Key Element 2 - Adequacy of Design Output Documents

In this portion of the audit, two observations were made.

Observation 1 - This observation identifies TVA welding documents using outdated symbols to specify field welding operations. Analysis of welding data on the items referenced verified all of the welds meet TVA procedural and quality requirements.

The Welding Project agreed with the audit team conclusion that using outdated symbols to specify field welding operations had no adverse effect on the quality of the welds.

> Observation 2 - Key organizational TVA unit responsible for control of welding documents was not specified on the welding document.

The Welding Project determined that since the only source for welding requirements was engineering, the lack of identification of key organizational unit on the welding document did not affect the use of the document and had no adverse affect on the quality of the installed weldments.

Key Element 3 - Initial Welder or Welding Operator Qualifications

The audit team's evaluation of the initial welder and welding operator qualification resulted in one observation.

> Observation 3 - The welding performance qualification record referenced in BNP-QCP 10.24 "Welder, welding operator and peening operator performance qualifications" and Specification 1.M.2.2, "Welder and Welding Operator Performance Qualification", identifies AWS D1.0 as the applicable code. AWS D1.1 has superseded AWS D1.0 and is the correct code designation.
>
> Although welders were verified as being correctly certified to AWS D1.1, the implementing procedures/specifications imply certification to earlier, superseded editions of the applicable code. This observation is considered minor, having no impact on welder certifications or the quality of welds accomplished by them, however, it is recommended that the procedure and specification be revised.

The Welding Project has verified that the qualification record referenced in BNP-QCP 10.24 has been revised to remove the incorrect reference to AWS D1.0 and the qualification record included in Process Specification 1.M.2.2 has been revised to remove reference to specific editions of the AWS Code.

Key Element 12.0 - Use and control of welding filler metal.

The audit team's evaluation of use and control of welding filler metal resulted in two observations.

> Observation 4 - Review of the Receipt Inspection procedure, BNP-QCP-1.1, QA documentation of inspections and weld filler metal Certified Material Test Reports (CMTR's), indicated numerous errors by receipt inspectors. The audit verified all material met the applicable Code and TVA specifications, however, in many instances, required inspection requirements were not documented as being performed. On other QA documents,

inspections were indicated as having been accomplished which were not applicable to the material. There are two closed NCR's (#2975 and #3063) which concluded and this audit confirms, that the apparent cause was training to inadequate receipt inspection procedures.

Observation 5 - Review of weld filler material contracts indicated that heat numbers are not always included on Receiving Inspection Checklists (RIC's) and were not required to be on the RIC's per past revisions of the Receipt Inspection Procedure BNP-QCP-1.1. Documentation of inspection (RIC's) is stapled to Certified Material Test Reports (CMTR's). In order to prevent loss of traceability when documents are microfilmed, it is recommended that during the review associated with closure of NCR #3932 addressing QA documentation errors that the relevant heat numbers be added to the RIC's as applicable and the receipt inspection procedure be revised to require this activity. Without heat numbers added to RIC's, the QA documentation of inspection to a specific CMTR is not traceable and merely indicates that weld metal on a specific contract was inspected. This practice has the potential of causing loss of QA documentation of inspections which is traceable to a specific CMTR.

The Welding Project found no evidence of failure to adequately control welding filler metal. The Welding Project also determined that BNP-QCP-1.1 has been revised to require that the heat number be entered on the Receipt Inspection Checklist (RIC) and that Site Standard Practice SSP 10.2, Material Receipt and Inspection, has provisions for recording heat numbers on the Receiving Inspection Report form.

2.2.2 Review of Nuclear Operations Program

Since nuclear operations had not performed any welding on safety related systems or structures, it was not feasible to conduct an audit of welding activities. The audit team activities encompassed review and verification of Nuclear Operations programs, procedures, and specifications as related to welding and welding inspection activities.

There were no findings or observations against the Nuclear Operations program for welding.

2.3 Review and Conclusions

There were no audit findings by the Bechtel Audit Team. However, five observations resulted from the audit of the BLN welding programs. The Welding Project has evaluated each observation and concluded that these had no adverse effect on weld quality.

The audit confirmed that TVA welding, welding inspection, and examination were accomplished using qualified and controlled procedures. Welders are qualified and certified in accordance with TVA programs and procedures. Personnel performing weld inspections and examinations are qualified and certified as required by the TVA program and procedures in addition to industry standards in effect during the respective time period.

The audit team determined that the computer tracking system used for welder continuity is an accurate and efficient system.

The audit team was unable to substantiate any of the employee concerns as valid in application to the welding program implemented at Bellefonte.

2.4 Audit Plan

The audit plan describes the activities required to fulfill the scope of the Welding program Audit. (Pages 1 through 9.)

Audit Plan for Bellefonte Nuclear Plant

This audit plan describes the activities to take place at Bellefonte Nuclear Plant. These activities shall fulfill the scope of the audit of the welding elements of the quality assurance program. This audit shall verify, by examination of objective evidence, compliance with the welding aspects of the quality assurance program, shall determine the effectiveness of the welding aspects of the quality assurance program and shall address the site specific and generic employee concerns believed to be significant (by the auditors but not as defined in TVA Document OEP-17) to the proper implementation of the welding elements of the quality assurance program. The quality assurance program for the Office of Construction is outlined in Attachment A. The quality assurance program for the Office of Nuclear Operations is outlined in Attachment B. The audit team will report findings and observations on the quality assurance program based on the review of objective evidence selected by the team and provided by TVA. These findings and observations will be documented in a written report and presented to the TVA Welding Project Manager. The minimum information to be reviewed to provide adequate confidence in the Construction and Nuclear Operation programs will be as follows:

Organization	Program	No. of Items Examined
Office of Construction	Str. Steel & supports	3
Office of Construction	Pipe Supports	2
Office of Construction	Piping & equipment	10

These items are in excess of the generic audit plan used by Bechtel for welding and NDE programs on construction sites. Items are defined as a specific item on a specific system. For instance, one weld joint on a system or component. This item will be reviewed for the adequacy of the key elements listed in Table 1, as applicable. Flexibility was incorporated into the audit plan to increase samplings at the discretion of the audit team. Items for audit and evaluation were selected by the audit team and are listed in Table 2. The evaluation items will be expanded by the audit checklists to include many hundreds of records.

Because Bellefonte Nuclear Plant is still under construction, only the quality assurance procedures of the Office of Nuclear Operations insofar as their implementation to date will be audited. The specific procedures audited will be detailed in the final audit report to include any observations or findings.

A review of all the site specific and generic concerns provided by TVA to the audit team relating to welding was performed. The concerns were deemed significant or not significant based on evaluation of technical validity and applicability to the welding program. All the specific and generic employee concerns provided by TVA and reviewed by the audit team are listed in Table 3 as either significant or not significant. The concerns listed as significant will be evaluated for adequacy to the program by incorporation into the audit checklists as elements for evaluation.

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Welding Project Manager

QA REVIEW:
R. P. Lynskey
WP-QA
3/27/86

Table 1

Key Elements

1. Implementation of technical and welding program requirements
2. Adequacy[1] of design output documents
3. Initial welder or welding operator qualifications
4. Continuity of welder or welding operator qualifications
5. Renewal of welder or welding operator qualifications
6. Initial welding inspection personnel qualifications
7. Continuity of welding inspection personnel qualifications
8. Renewal of welding inspection personnel qualifications
9. Use of appropriate welding procedures
10. Use of appropriate inspection procedures
11. Use of appropriately trained and qualified personnel
12. Use and control of welding filler materials
13. Inprocess control of welding
14. Documentation of the above activities
15. Nonconformances and corrective actions
16. Training programs adequacy
17. Additional areas of concern as determined by a review of employee concerns as specified in Table 3

[1]The technical or engineering adequacy of the design output documents is not to be researched; their adequacy is to be checked in the sense of completeness of information for the organization or individual who must use the document to continue forward with the program.

Items for Audit

OFFICE OF CONSTRUCTION

TABLE 2

PIPING

Item No.	Identification of welds	Drawing No.	System	Unit	Class
1.	Penetration #30-14	WM2SM-1 rev. 2	Main steam penetration that require post weld heat treatment	2	ASME Class 2
2.	ICF 336	WM1 CF-5 rev. 10	Feedwater system that had post weld heat treatment	1	ASME Class 2
3.	2NC-25	WM2 NC-1 rev. 3	Reactor coolant	2	ASME Class 1
4.	1ND-281D	WM1 ND-9 rev. 10	Decay heat removal system	1	ASME Class 1
5.	1NB-620	WM1 NB-6 rev. 9	Chemical addition and Boron Recovery System	1	ASME Class 3
6.	1NV-2214	WM1NV-24 rev. 10	Makeup and purification	1	ASME Class 2
7.	1NL-20	WM1NL-1 rev. 10	Core flooding system	1	ASME Class 1
8.	2KC-658B	WM2 KC-7 rev. 3	Component cooling water system	2	ASME Class 2
9.	2CA-228	WM2CA-12 rev. 4	Aux. feedwater system	2	ASME Class 2
10.	2KE-1539	WM2KE-18 rev. 4	Essential raw water system	2	ASME Class 3

TABLE 2 (Continued)

Item No.	Identification of welds	Drawing No.	System	Unit	Class
	Hanger No.	PIPE HANGERS			
11.	022	1AW0500-SM-B1 rev. 6 detail 1SM-MPHG-0070	Main Steam	1	N/A
12.	659	1AW2412-ND-B2 rev. 6 detail 2ND-MPHG-0659	Decay heat removal	2	N/A
		STRUCTURAL SUPPORT			
13.	STA 132	WM1RV-19 rev. 4	Cable tray	1	N/A
14.	STA 60	WM0RV-19 rev. 6	Cable tray	1	N/A
15.	1391	WM2A6-31 rev. 3	Valve room pipe supports	2	N/A

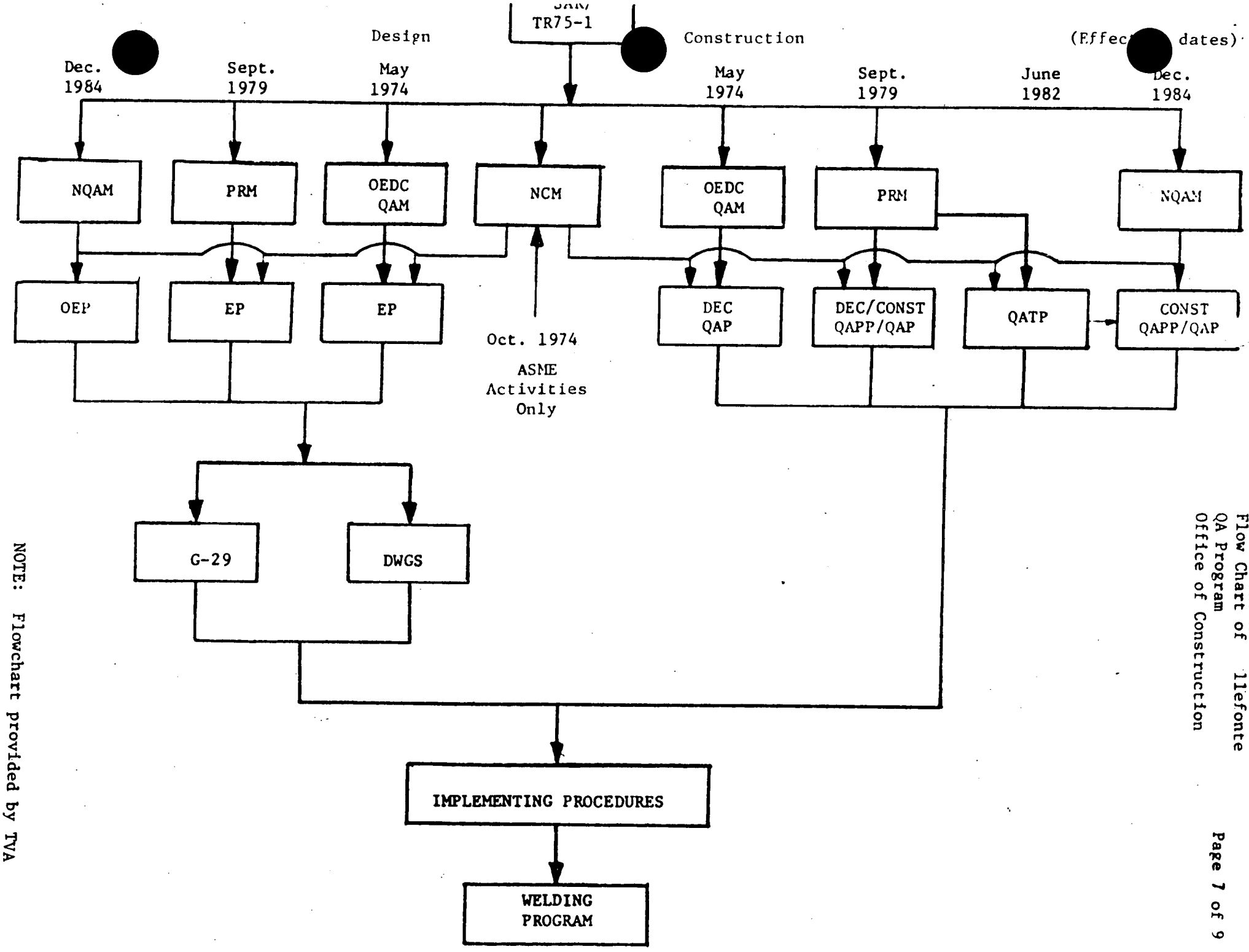
TABLE 3

CONCERNS

Not Significant	Significant
XX-85-034-001 (Note 1)	BLM-5-001-001
XX-85-034-X02 (Note 2)	BLM-5-001-002
XX-85-045-001	XX-85-068-006
XX-85-068-003 (Note 1)	XX-85-069-003
XX-85-068-008	XX-85-110-001
XX-85-086-002	
XX-85-107-001	

Notes (1) Concern is unclear. Too little information or too many interpretations can be made from the statement provided. Unable to be catergorized since concern is indeterminate and vague.

(2) Information in the statement is inadequate to verify incident. Concern is indeterminate in nature.



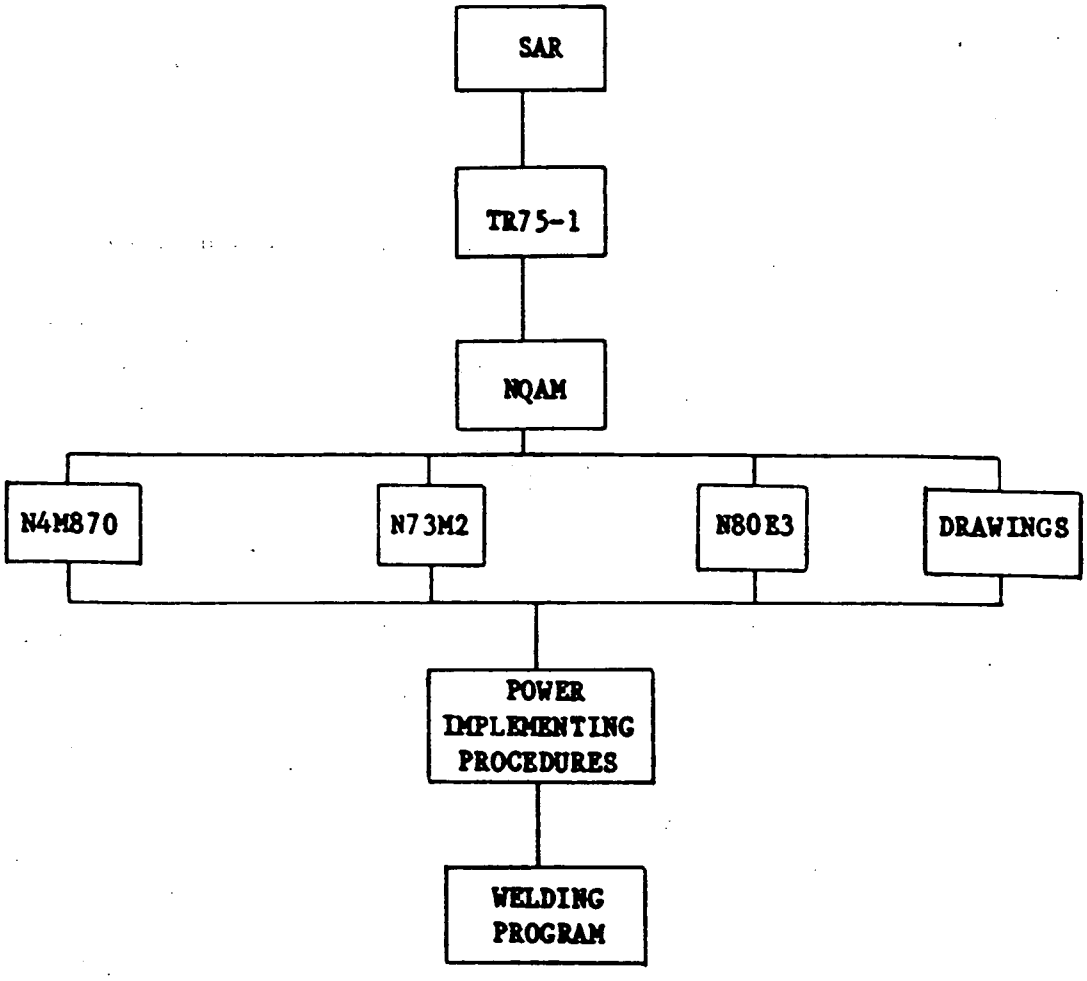
NOTE: Flowchart provided by TVA

Attachment A
Flow Chart of llefonte
QA Program
Office of Construction

Attachment A

SAR - Safety Analysis Report
TR75-1 - Topical Report
OEDC QAM - Office of Engineering Design and Construction Quality Assurance Manual
PRM - OEDC Quality Assurance Program Requirements Manual for Design Procurement and Construction
NQAM - Nuclear Quality Assurance Manual
NCM - Quality Assurance Manual for ASME Section III Nuclear Power Components
EP - Engineering Design Procedures
OEP - Office of Engineering Procedures
DEC QAP - Division of Construction Quality Assurance Procedures
CONST QAPP - Office of Construction Quality Assurance Program Policy
CONST QAP - Construction Quality Assurance Procedure
QATP - Construction Quality Assurance Training Plan
G-29 - General Construction Specification for Welding, Heat Treatment, Nondestructive Examination and Allied Field Fabrication Operations

FLOW CHART OF BELLEFONTE QUALITY ASSURANCE PROGRAM
OFFICE OF NUCLEAR OPERATIONS



SAR - Safety Analysis Report

TR75-1 - Topical Report

N73M2 - Process Specs for Welding, Heat Treatment, and Allied Field Operations

N80E3 - Nondestructive Examination Procedures

NQAM - Nuclear Quality Assurance Manual

N4M870 - Construction Specification - Field Fabrication, Installation, Examination, and Tests for Piping Systems

NOTE: FLOW CHART PROVIDED BY TVA

2.5 Bechtel Audit Report

This is the report by Bechtel of the audit of the Welding Program.

REPORT OF BECHTEL QUALITY ASSURANCE AUDIT

of

BELLEFONTE NUCLEAR PLANT WELDING PROGRAMS

TO: J. W. Coan

FROM: A. M. Vuksan

DATE: April 8, 1986

SUBJECT: Report of Bechtel Quality Assurance Audit of Bellefonte Nuclear Plant Welding Programs.

The audit team from Bechtel Power Corporation independently conducted a formal quality assurance audit of the Bellefonte Nuclear Plant's welding programs between March 28, 1986 and April 4, 1986. Method and scope of the audit were in accordance with the Audit Plan for Bellefonte Nuclear Plant dated 3-26-86.

The following report details the audit team activities and identifies audit findings and observations of the Bellefonte Nuclear Plant Quality Assurance Programs as applied to welding activities.

The audit addressed the welding programs as implemented during construction of the Bellefonte Nuclear Plant and verified programs to be used by Nuclear Operations. An audit checklist was utilized by the audit team and is identified as TVA-03-OC for Office of Construction. The checklist is attached as part of this report. Since little or no quality program related welding has been accomplished under the Nuclear Operations Program, the audit was limited in scope. Due to these limitations, a formal audit checklist for Nuclear Operations was not used. The specific Nuclear Operation procedures, items reviewed by the audit team and any observations or findings are detailed in Part B of this report.

Audit team members were assigned specific key elements of the checklist by the audit team leader based on the technical expertise held by the auditor. Cross checking was done throughout the audit between auditors and their checklist assignments as well as at daily summary and review meetings conducted by the audit team leader.

Employee concerns, Bellefonte specific, were analyzed by the audit team as detailed in the audit plan and incorporated into the audit checklist as key element number 17.0.

Audit checklist key element summaries, findings and observations identified for Bellefonte Office of Construction form Part A of this report. Details, findings and observations for Nuclear Operations form Part B of this report. Reference to checklist TVA-03-OC should be made for quantities of samplings and specific documents reviewed by the auditors for construction welding activities. Audit findings and observations are identified to a key element of checklist TVA-03-OC

To increase the quantity of items for audit in construction activities, the audit team performed a walk-down tour of the plant and randomly selected six additional welds for audit. These additional welds are identified in Sheet 1 of checklist TVA-03-OC.

AUDIT SUMMARY-FINDINGS AND OBSERVATIONS

As a result of the audit, there are five observations documented. There were no Audit Findings.

All observations documented are for Office of Construction activities and are detailed as follows:

Observations-Checklist Key Element 2.0 - Adequacy of design output documents.

Observation No. 1: Review of drawings WM1RV-18, WM1RV-17 and WM2A6-31 for pipe and cable tray supports, (sheet 1 of checklist TVA-03-OC, items 13, 14, and 15) showed outdated symbols to identify field welding operations. Analysis of welding data on the items referenced verified all welds meet TVA procedural and quality requirements. For future reference, it is recommended that drawings reference welding symbols which are consistent with the symbols shown in the current edition of AWS A.2.4 (Symbols for Welding and NDE).

Observation No. 2: TVA detailed weld procedures (DWP) and supporting procedure qualification records (PQR) do not identify the specific TVA entity for authority of issue. It is recommended for better identity and traceability to the person and specific TVA organization authorized to issue and distribute DWP's and supporting qualification records, that the specific TVA organization responsible be identified on future or revised DWP's.

Observation - Checklist Key Element 3.0 - Initial welder or welding operator qualifications.

Observation No. 3: The welding performance qualification record referenced in BNP-QCP 10.24 "Welder, welding operator and peening operator performance qualifications" and Specification 1.M.2.2, "Welder and Welding Operator Performance Qualification", identifies AWS D1.0 as the applicable code. AWS D1.1 has superceded AWS D1.0 and is the correct code designation.

Although welders were verified as being correctly certified to AWS D1.1, the implementing procedures/specifications imply certification to earlier, superceded editions of the applicable code. This observation is considered minor, having no impact on welder certifications or the quality of welds accomplished by them, however, it is recommended that the procedure and specification be revised.

Observations - Checklist Key Element 12.0 - Use and control of welding filler metal.

Observation No. 4: Review of the Receipt Inspection procedure, BNP-QCP-1.1, QA documentation of inspections and weld filler metal Certified Material Test Reports (CMTR's) indicated numerous errors by receipt inspectors. The audit verified all material met the applicable Code and TVA specifications, however, in many instances, required inspection requirements were not documented as being performed. On other QA documents, inspections

were indicated as having been accomplished which were not applicable to the material. There are two closed NCR's (#2975 and #3063) which concluded and this audit confirms, that the apparent cause was training to inadequate receipt inspection procedures.

Currently, an open NCR (#3932) is addressing errors on a large scope (approximately 12,000 QA contracts) by a task force of personnel who are comparing the contract requirements to the Receiving Inspection Checklists (RIC's) and the CMTR's. The task force review of approximately 3500 contracts through March 15, 1986, showed 35% of the contracts had QA discrepancies such as missing documents, misplaced documents or improper documentation. In addition to continuing the corrective action which is being implemented by TVA, it is recommended that the receiving procedures identified be reviewed for possible revision to correct the cause of the noted discrepancies.

Observation No. 5: Review of weld filler material contracts indicated that heat numbers are not always included on Receiving Inspection Checklists (RIC's) and were not required to be on the RIC's per past revisions of the Receipt Inspection Procedure BNP-QCP-1.1. Documentation of inspection (RIC's) is stapled to Certified Material Test Reports (CMTR's). In order to prevent loss of traceability when documents are microfilmed it is recommended that during the review associated with closure of NCR #3932 addressing QA documentation errors that the relevant heat numbers be added to the RIC's as applicable and the receipt inspection procedure be revised to require this activity. Without heat numbers added to RIC's, the QA documentation of inspection to a specific CMTR is not traceable and merely indicates that weld metal on a specific contract was inspected. This practice has the potential of causing loss of QA documentation of inspections which is traceable to a specific CMTR.

CONCLUSIONS AND RECOMMENDATIONS

The following presents conclusions of the audit team based on observations, review and analysis of the various TVA programs and procedures presented during the course of the audit.

OFFICE OF CONSTRUCTION

1. Welding, weld inspections and examinations were accomplished using qualified and controlled procedures. Welders are qualified and certified in accordance with TVA programs and procedures as required. Weld inspections and examinations were done using personnel qualified and certified as required by the TVA programs and procedures in addition to industry standards in effect during the respective time period.

2. Controlling programs in the later time period (1979 to present) are functional and well written with limited redundancy, specifically the Construction Quality Assurance Training Plan and NCM (for ASME Section III components).

3. For certification training of personnel to Bellefonte Quality Control Procedures (QCP's) the auditors found the programs and systems to be cumbersome in identifying continuous certification of an individual to the procedure. Numerous documents had to be combined to ascertain certification compliance when all required data could be concentrated on one form.

4. The computer tracking system used at Bellefonte for welder continuity is an accurate and efficient system. In comparison to systems in use at other TVA nuclear plant facilities the Bellefonte tracking system is superior and less prone to clerical error.

5. For the employee concerns incorporated into the audit checklist, the audit team was unable to substantiate any of the concerns as valid in application to the welding programs implemented at Bellefonte.

NUCLEAR OPERATIONS

1. The Nuclear Quality Assurance Manual (NQAM) as implemented by Bellefonte is well written with adequate guidelines and criteria for control of the Nuclear Operations quality activities as related to welding.

2. Although all welder continuity records reviewed met the program requirements, the computerized welder continuity tracking systems used for construction activities would be advantageous if implemented in Nuclear Operations.

3. Since little if any work has been done under the Nuclear Operations Programs, Bellefonte employee concerns were not applicable or used for evaluation of Nuclear Operations.

General

In general, employee concerns broke down into four categories for those concerns identified as specific to the Bellefonte Plant. The four concern categories were incorporated into the audit checklist as key element 17.0 for Office of Construction Activities. There are no findings or observations relating to any of the employee concerns.

The general consensus of the audit team is that quality activities relating to welding at the Bellefonte Nuclear Plant are in compliance with the TVA programs and procedures and the applicable Codes and standards they are developed to comply with.

The current Quality Assurance Program Manuals are well written and provide a high confidence level that welding and inspection activities are conducted and performed to exceed minimum requirements of the Codes and Standards TVA has committed to.

TVA personnel assisting in the audit activities were knowledgable and professional and in combination with implementation of the quality programs should be capable of completing the Bellefonte Nuclear Plant to a high quality level.

A. M. Vuksan 4/8/86
A. M. Vuksan
Bechtel Audit Team Leader

Audit Team

S. W. Borenstein
D. R. Cady
S. R. Garreffa
W. B. Keyser

CONTACTS WHO ASSISTED THE AUDIT TEAM

NAME	TITLE	TVA ORGANIZATION
John Boone	Welding Engineer	NO
Leo Hebert	QA Evaluator	OC
Horace Beckner	Staff Engineer	OE
Otto Wilkinson	Mechanical Engineer	OC
John Smalley	QA Staff	NO
Alan Looney	Welding Engr. Supervisor	OC
Deon Smith	Assistant Construction Engineer	OC
Danny Bridges	Assistant Quality Manager	OC
John Bynum	Welding Foreman	NO
Mike Morrison	Engineer Supervisor	NO
Betty Fischer	DCU Supervisor	OC
Jim Blackburn	Assistant Quality Manager	OC
Danny Rose	PTU Supervisor	OC
Ken Tucker	Welding Engineer	OC
Jerry Guess	Welding Engineer	OC
Elvis Hollins	Site Services	NO
Darrell Maroney	Receipt Inspector	OC
Shelton Johnson	Site QA Manager	OQA
Mark Bressler	Codes	OE
Harriet McKay	Training Officer	PTU

March 28, 1986

AUDIT ASSIGNMENTS

Auditor	Audit Check List Items - (Key Elements)					
A. M. Vuksan	11.0	14.0	15.0	17.0		
D. R. Cady	6.0	7.0	8.0	10.0	11.0	16.0
S. W. Borenstein	12.0	17.0				
S. R. Garreffa	3.0	4.0	5.0			
W. B. Keyser	2.0	9.0	13.0			

KEY ELEMENT NO. 1.0

OFFICE OF CONSTRUCTION
PREPARATION FOR AUDIT OF WELDING ACTIVITIES

Prior to the start of the audit, the audit team developed an audit plan and identified applicable documents, specific manuals, specifications and procedures which described and implemented the TVA welding activities.

The audit team developed an audit checklist to address all elements identified in the TVA work plan in addition to analysis of employee concerns for significance and integration into the checklist.

The audit team identified and selected a cross section of welded systems from applicable TVA specifications. Welds were in a random manner selected from drawings applicable to each individual system for programatic audit. Additional welds were selected for audit during a walk down tour of the plant by the audit team. Welds selected during the walk down tour were incorporated into the audit checklist for programmatic audit.

KEY ELEMENT 2.0

OFFICE OF CONSTRUCTION
ADEQUACY OF DESIGN OUTPUT DOCUMENTS

For items selected for audit, drawings, welding procedures and supporting records were reviewed and showed compliance with the TVA program and procedures.

OBSERVATIONS

Two observations were noted during the audit of the welding output documents. Reference to the Audit Summary portion of tbis report details the two observations.

KEY ELEMENT 3.0

OFFICE OF CONSTRUCTION
INITIAL WELDER OR WELDING OPERATOR QUALIFICATIONS

Based on an audit of welder qualification records and supporting documentation, TVA welders were qualified in accordance with TVA programs and procedures.

OBSERVATION

One observation was documented during the audit regarding references in the controlling TVA procedures and specifications. Specific details of the observation are documented in the Audit Summary portion of this report.

KEY ELEMENT 4.0

OFFICE OF CONSTRUCTION
MAINTENANCE OF WELDER OR WELDING OPERATOR QUALIFICATIONS

Based on an audit of welder continuity records, TVA welders demonstrated welding within certification expiration dates as required by TVA programs and procedures.

KEY ELEMENT 5.0

OFFICE OF CONSTRUCTION
RENEWAL OF WELDER OR WELDING OPERATOR QUALIFICATIONS

Based on an audit of welder qualification records and continuity records, TVA welders were requalified in accordance with TVA programs and procedures.

KEY ELEMENT 6.0

OFFICE OF CONSTRUCTION
INITIAL WELDING INSPECTION PERSONNEL QUALIFICATION

Qualification/Certification records for nondestructive examination personnel (weld inspection) were reviewed for compliance with TVA NDE personnel qualification procedures.

TVA personnel qualification procedures used for the qualification/certification of NDE personnel complied with and referenced the applicable edition of SNT-TC-1A (American Society of Nondestructive-Testing).

Records providing evidence of qualifications and certifications contained sufficient detail to confirm compliance with applicable codes, standards and specifications in effect during construction activities.

KEY ELEMENT 7.0

OFFICE OF CONSTRUCTION
MAINTENANCE OF WELDING INSPECTION PERSONNEL QUALIFICATION

Review of inspection personnel qualification records for completeness and recertification confirmed compliance with TVA procedures used for qualification certification of NDE personnel.

KEY ELEMENT 8.0

OFFICE OF CONSTRUCTION
RENEWAL OF WELDING INSPECTION PERSONNEL QUALIFICATION

Renewal of all welding inspection personnel qualifications selected for audit indicated compliance with referenced TVA programs and procedures.

KEY ELEMENT 9.0

OFFICE OF CONSTRUCTION
USE OF APPROPRIATE WELDING PROCEDURES

Detailed welding procedures and qualification records applicable to the audit items were reviewed. Welding procedures, qualification records and postweld heat treatment records were audited and showed compliance with the TVA program and procedures.

KEY ELEMENT 10.0

OFFICE OF CONSTRUCTION
USE OF APPROPRIATE INSPECTION PROCEDURES

For items selected for audit, appropriate inspection procedures were identified for use. Procedure review showed compliance with TVA program requirements and referenced codes and standards.

KEY ELEMENT 11.0

OFFICE OF CONSTRUCTION
USE OF APPROPRIATELY TRAINED AND QUALIFIED PERSONNEL

Records of all certified personnel audited indicated that appropriate training had been administered and qualifications were in accordance with TVA programs and procedures.

KEY ELEMENT 12.0
OFFICE OF CONSTRUCTION
USE AND CONTROL OF WELDING FILLER METALS

Certified material test reports (CMTR's) for welding filler metals complied with TVA project specifications and code requirements.

OBSERVATIONS

Two observations were noted during the audit of the use and control of welding filler metals. Refer to the audit summary portion of this report for details on the two observations.

KEY ELEMENT 13.0

OFFICE OF CONSTRUCTION
IN PROCESS CONTROL OF WELDING

The inprocess control procedures for welding were identified for the items that were selected for the audit. TVA documents that controlled welding activities and operation checklists were reviewed. The review results showed the construction work was accomplished in accordance with the TVA welding program and procedures.

KEY ELEMENT NO. 14.0

OFFICE OF CONSTRUCTION
DOCUMENTATION OF TECHNICAL AND QUALITY ACTIVITIES

In general, the documentation of technical and quality activities was adequate except as noted. Refer to Key Elements 2.0 through 13.0, and 15.0 through 17.0.

KEY ELEMENT 15.0

OFFICE OF CONSTRUCTION
NONCONFORMANCES AND CORRECTIVE ACTIONS

Review of nonconformances and corrective action reports for completion and closure confirmed compliance with the TVA program and procedural requirements for this activity.

KEY ELEMENT 16.0

OFFICE OF CONSTRUCTION
TRAINING PROGRAMS

Training requirements for personnel not requiring certification were reviewed for compliance to the TVA program training manual and referenced procedures.

For training programs requiring certification, refer to Key Element 11.0 of this report for details.

KEY ELEMENT 17.0

OFFICE OF CONSTRUCTION EMPLOYEE CONCERNS

17.1 Concern No. XX-85-107-001 is regarding welder certification. This concern was not substantiated by the audit of a random sampling of 47 welders which involved 284 welder qualification records from 1976 to 1985.

17.2 Concern No. XX-85-069-003 is regarding welder certification and on-the-job training. This concern was not substantiated by the audit of a random sampling of 47 welders which involved 284 welder qualification records from 1976 to 1985.

17.3 Concern No. BEM-5-001-001 and BEM-5-001-002 are regarding weld inspections. These concerns were not substantiated by the audit by review of the Bellefonte welding programs and procedures and their implementation.

17.4 Concern No. XX-85-68-006 regarding weld rod control satisfying code requirements. This concern was not substantiated by an audit of a random sampling of 42 QA documentation packagaes of inspection reports and associated CMTR's. The documents reviewed represented 42 heat and or lot numbers and eight different types of weld metal received between the years of 1976 to 1983. This concern may also refer to ASME Section III, NB-4122 which requires traceability of the weld filler metal but gives two methods to chose from; either traceability to each component or ensure the specified material is used by a control procedure. Bellefonte's program uses both methods; all material meets the standards and is traced to the component where required. The concern is not applicable to Bellefonte's Nuclear Plant.

J. W. Coan
April 8, 1986

Report of Bechtel Quality Audit of Bellefonte Nuclear Plant Welding Program

The audit team activities encompassed review and verification of Nuclear Operations programs, procedures and specifications as related to welding and weld inspection activities.

As a result of the audit, there are no findings or observations documented against the Nuclear Operations Programs.

The following documents were reviewed by the audit team:

1. Nuclear Quality Assurance Manual

2. TVA Bellefonte Standard Practices, Volume 7, General Maintenance
   a) BLM1, Maintenance Program
   b) BLM8, Special Processes, 8.1 Welding
   c) BLM 9, Repair/Fabrication Processes
   d) BLM 10, Maintenance Requests, Processing and History System.
   e) BLM 11, Maintenance, Repair and Alteration of ASME Code Class Components and Systems.

3. DPM.NO. N73M2, Process Specifications for Welding, Heat Treatment and Allied Field Operations.

4. Mechanical Maintenance Instructions.

5. Process Specifications N73M2, Supplement B and 1.M.2.2, Welder and Welding Operator Performance Qualification.

6. Qualification and continuity records on the following welders:

   a) Gault
   b) Glen
   c) Calhoun
   d) Parish
   e) Clark
   f) Reyes
   g) Powers

7. Program Procedure 0202.14, (formerly N75C01), Certification of Non-destructive Examination Personnel.

8. Procedure 1502.07, (formerly DPM No. N80E3), NDE Procedures approved for use on CSSC items at all Nuclear Plants, 01-18-85.

9. BLTI-PS1-1, 8-27-85, Unit I Pre-service Inspection Program.

10. BLM 5, QC Inspection Program, Rev. 6.

11. BLM 8.3, Rev. 14, 6-24-85, Nondestructive Examination.

12. BLA 14.14, Rev. 5, 5-3-85, Quality Control Inspector Training and Certification Program, (other than NDE).

13. BLA 9.2, Rev. 11, 10-09-85, Receipt Inspection.

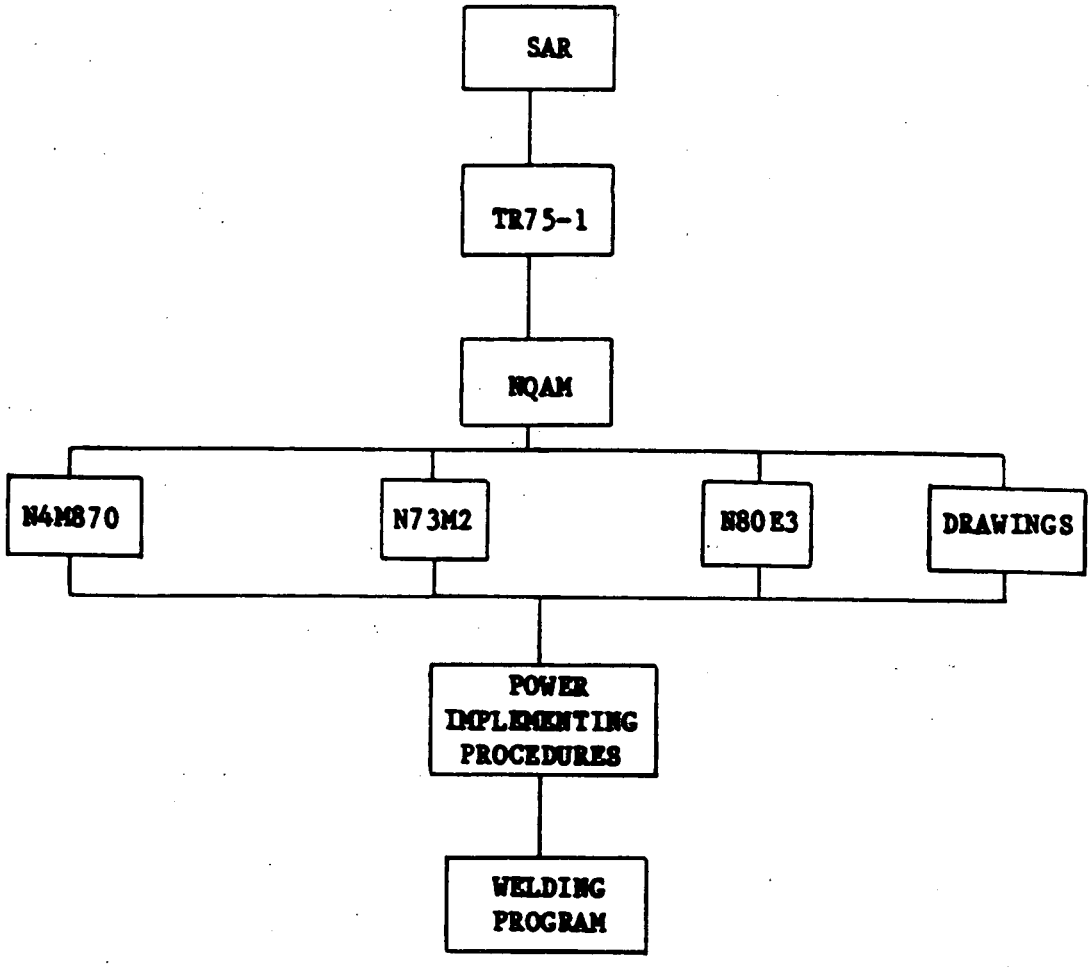
14. Heat numbers from six heats of electrodes currently stored in rod ovens were recorded. Documents showing material traceability to CMTR's and QA documentation of inspections were retrieved, examined and found satisfactory for these electrodes.

	Material	Heat Or Lot No.	575 No.
1.	E7018	92121D	5985002132
2.	E309-15	MFF-D4-1208178D	5985001930
3.	E7018	37822 Lot No. 9109D122144	5985001899
4.	E309-15	MFF-D4-1208178A	5985001930
5.	ER308-16	1J26E-26	5985000476
6.	ER308-16	1G32E-32	598500476

One CMTR did not meet TVA specification PF 1016 Rev. 5 which required yield and tensile strength be reported for information. An ammended CMTR from the supplier was obtained.

Two CMTR's were unable to be retrieved without going through non QA documents (TIIC's).

FLOW CHART OF BELLEFONTE QUALITY ASSURANCE PROGRAM
OFFICE OF NUCLEAR OPERATIONS



SAR - Safety Analysis Report

TR75-1 - Topical Report

N73M2 - Process Specs for Welding, Heat Treatment, and Allied Field Operations

N80E3 - Nondestructive Examination Procedures

NQAM - Nuclear Quality Assurance Manual

N4M870 - Construction Specification - Field Fabrication, Installation, Examination, and Tests for Piping Systems

NOTE: FLOW CHART PROVIDED BY TVA

QUALITY AUDIT CHECKLIST COVER SHEET

A

1 AUDIT AREA: TVA

2 AUDIT TITLE: Welding Project Audit

3 CHECKLIST NO.: TVA-03-OC

B

4 PROJECT: Bellefonte

5 JOB NO.: 16985

6 TYPE OF AUDIT: Welding Program

7 ORGANIZATIONS AUDITED: (OC) Office of Construction

8 AUDIT NO.: 3-86

9 AUDIT DATE: 3-28 to 4-4, 1986

10 AUDITOR: See page 2

C

11 NO.	12 REFERENCE * See Attachment A	13 REVISION	14 DATE
1.	SAR/TR 75-1	N/A	N/A
2.	NCM	44	1-15-86
3.	OEDC QAM (Volume III)	N/A	N/A
4.	PRM	30	7-9-84
5.	NQAM	61	3-11-86
6.	G-29	N/A	N/A
7.	CONST QAPP/QAP	83	3-3-86

15 REV. NO.	16 PREPARED BY	17 DATE	18 APPROVED BY	19 DATE
0	See page 2	3-26-86	A. M. Vuksan	3-26-86
			A. M. Vuksan	3/26/86

SFP-20606

AUDIT TEAM

A. M. Vuksan	Audit Team Leader
S. R. Garreffa	Auditor
W. Keyser	Auditor
S. Borenstein	Auditor
D. R. Cady	Auditor

Signature	Initials
A. M. Vuksan	A. M. V.
S. R. Garreffa	SRG
W. B. Keyser	WBK
S. W. Borenstein	SWB
D. R. Cady	DRC

Legend
S = Satisfactory
O = Observation
AF = Audit Finding

Cross-checking by auditors signified by circled initials in audit result column.

Bellefonte

Site

QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
1.0	Preparation for Audit of Welding Activities	(1) (2) (3) (4) (5) (6) (7)	1.0 Determine and identify applicable documents, the required edition, addenda, revision or amendments of specific manuals, specifications, standards, and procedures which apply.	Sheet 1 N/A *
1.1	Identification of Governing Documents (Manuals, Specifications, Standards, Procedures). REFERENCE FLOW CHART OF BELLEFONTE QA PROGRAM - OFFICE OF CONSTRUCTION - ATTACHED		2.0 Randomly select systems and items by drawing review. Select specific welds to be audited. * NOT APPLICABLE AS AN AUDIT KEY ELEMENT	
1.2	Determine what to audit.		3.0 The welds shall be a cross section from safety related systems to allow complete access to all applicable weld programs, procedures and specifications. Enter selected items on sheet 1.	SRG G.M.T. DRC MAR 4/4/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
2.0	Adequacy of design output documents. *	(1) (2) (3) (4) (5) (6) (7)	1.0 Sample a minimum of 15 drawings for adequacy; i.e. where applicable drawing number, revision number, title, details and weld symbols. OUTDATED SYMBOL TO SIGNIFY FIELD WELDING OPERATIONS USED ON SOME OF THE DRAWINGS.	See sheet 5 O
	* "Adequacy of Design Output Documents" The technical or engineering adequacy of the design output documents is not to be researched; their adequacy is to be checked in the sense of completeness of information for the organization or individuals who must use the document to continue forward with the program.		2.0 Sample 10 welding procedures for adequacy; i.e. welding variables given. NO NAME OF KEY ORGANIZATIONAL GROUP RESPONSIBLE FOR WELDING WAS ON THE WELDING PROCEDURES.	See sheet 6 O
			3.0 Verify procedure qualification records.	S
			4.0 The above samples shall include the drawings and welding procedures identified in sheet 1.	SPG MBK 4/2/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
3.0	Initial welder or welding operator qualifications. APPLICABLE WELDER QUALIFICATION PROCEDURES: GENERAL WELDING PROCEDURE SPECIFICATIONS 1.M.1.2 / REV-A / 2-24-75 1.M.1.2 / REV-4 / 1-24-85 1.C.1.2 / REV-A / 7-31-74 1.C.1.2 / REV-3 / 1-28-85 1.E.1.1 / REV-2 / 3-7-83 WELDER PERFORMANCE QUALIFICATION 1.M.2.2 / REV-A / 2-5-75 1.M.2.2 / REV-3 / 1-24-85 1.C.2.2 / REV-A / 7-31-74 1.C.2.2 / REV-1 / 3-4-83 BNP-QCP-10.24 / REV-2 / 1-24-76 BNP-QCP-10.24 / REV-6 / 3-20-86	(2) Sec 5.1 (6)	1.0 Verify that welders* are qualified in accordance with TVA approved procedures. 2.0 Examine a minimum of 20 initial welder qualifications. This sample shall include welders identified per weld number in sheet 1. 3.0 List applicable welder qualification procedures. SEE LEFT HAND COLUMN * For the purpose of this audit the term welders shall include welders and welding operators.	O See sheet 2 a.m.d SRG 4-2-86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
4.0	Maintenance of welder or welding operator qualifications	(2) Sec 5.1 (6)	1.0 Examine the continuity records for a minimum of 20 welders to verify welding within welder certification expiration dates. 2.0 List applicable welder qualification procedures for review. 1.M.2.2 / REV-A / 2-5-75 1.M.2.2 / REV-3 / 1-24-85 1.C.2.2 / REV-A / 7-31-74 1.C.2.2 / REV-1 / 3-4-83 BNP-QCP-10.24 / REV-2 / 1-24-76 BNP-QCP-10.24 / REV.6 / 3-20-86	See sheet 2 S SRG 4-2-86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
5.0	Renewal of welder or welding operator qualifications.	(2) Sec 5.1 (6)	1.0 Examine the continuity records for a minimum of 10 welders to verify renewal. 2.0 List applicable welder qualification procedures. 1.M.2.2 / REV-A / 2-5-75 1.M.2.2 / REV-3 / 1-24-85 1.C.2.2 / REV-A / 7-31-74 1.C.2.2 / REV-1 / 3-4-83 BNP-QCP-10.24 / REV-2 / 1-24-76 BNP-QCP-10.24 / REV-6 / 3-20-86	See sheet 2 S SRG 4-2-86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
6.0	Initial welding inspection personnel qualifications.	(1) (2) (3) Sec 9 & 10 (6) (7) QAPP 9	1.0 Review inspector personnel qualification records using the welds selected for the audit as the means for identifying inspectors.	See sheet 1 S DRC 4-2-86
			2.0 Review qualification records for compliance with referenced procedures.	S DRC 4-2-86
			3.0 Randomly select qualification records for a minimum of 10 additional welding inspection personnel and review.	See sheet 3 S DRC 4-2-86
			4.0 List procedures used for qualification of inspection personnel. QUALITY TRAINING PROGRAM MANUAL, REV. 22, 1-8-86 CONST-QAP 2.3, REV. 5 CONST-QAP 2.05, REV. 0	S DRC 4-2-86 SWB 4/4/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
7.0	Maintenance of welding inspection personnel qualification.	(1) (2) (3) Sec 9 (6) (7) QAPP 9	1.0 Review welding inspection personnel qualification records for completeness and re-certification compliance to identified procedure.	S LDRC 4-2-86
			2.0 As a minimum, review qualification records on 10 personnel.	See sheet 3 S LDRC 4-2-86
			3.0 List the applicable procedures used. REFERENCE ELEMENT 6.0, METHOD OF VERIFICATION 4.0	S LDRC 4-2-86 SWB 4/4/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
8.0	Renewal of welding inspection personnel qualification.	(1) (2) (3) Sec 9 (6) (7) QAPP 9	1.0 Select and identify a minimum of 10 inspection personnel qualifications.	See sheet 3 DRC S 4-2-86
			2.0 Review for renewal of qualifications in accordance with TVA procedures. Identify controlling procedures and list below. QUALITY TRAINING PROGRAM MANUAL, R.22 CONST-QAP 2.3, REV. 5 CONST-QAP 2.05, REV. 0	DRC S. 4-2-86 SWB 4/4/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
9.0	Use of appropriate welding procedures.	(3) (4) (6) (7) QAPP 9	1.0 Identify welding and heat treatment procedures applicable to welds listed on sheet 1.	S
			2.0 List welding and heat treatment procedures on sheet 6.	S
			3.0 Verify that the welding procedures are applicable to referenced weld joints.	S
			4.0 Verify that heat treatment procedures have been used where applicable.	S
			POSTWELD HEAT TREATMENT CHART FOR WELD IN MAIN STEAM PENETRATION 30-14 PIPE WAS O.K. TVA CLASS III 2S. QCP-8.2 POSTWELD HEAT TREATMENT. PROCESS SPECIFICATION 2.M.1.1(b)	SRG MBK 4/2/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
10.0	Use of appropriate inspection procedures G-29 SPECIFICATIONS 3.M.32 RADIOGRAPHY 3.M.7.1 ULTRASONICS 3.M.2.1 MAG PARTICLE 3.M.5.1 VISUAL 3.M.1.1 PENETRANTS REVIEWED CURRENT REV. AND ALL HISTORICAL REVS. RADIOGRAPHIC REVIEW CONDUCTED FOR ITEM NUMBERS 2, 3, 4, 7 + 8 ON SHEET 1. ALL RADIOGRAPHS COMPLIED WITH REFERENCED TVA PROCEDURES – LR Cady 4-1-86	(2) Sec 3 & 8 (3) Sec 5 & 10 (6) (7) QAPP 5 & 10	1.0 Identify and review inspection procedures used for examination of welds identified for audit. SEE BELOW 2.0 Verify that the inspection procedures are applicable to referenced weld joints. BNP-QCP 7.1 – RT BNP-QCP 7.3 – MT BNP-QCP 7.4 – PT BNP-QCP 7.1 – UT BNP-QCP 7.5 – VISUAL	See sheet 1 S LRC 4-2-86 S LRC 4-2-86 SWB 4/4/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
11.0	Use of appropriately trained and qualified personnel.	(2) Sec 1.9 & 6.1	1.0 Identify programs and procedures used for training of personnel. Using the welds selected for audit, identify a minimum of 10 personnel training and qualification records.	See sheet 3 S LDRC 4-2-86
			2.0 Review training records for compliance and completeness with governing procedures.	S LDRC 4-2-86 G.M.V. 4-2-86
			3.0 List applicable procedures used. QUALITY TRAINING PROGRAM MANUAL - SECTIONS III-1 AND III-2 CONST-QAP 2.3, R.5 CONST-QAP 2.05 R.0 BNP-QCP-10.28 REV. 6 BNP-QCP-7.5 BNP-QCP-7.9 BNP-QCP-10.50 BNP-QCP-10.30	S LDRC 4-2-86 G.M.V. 4-2-86 S G.M.V. 4-2-86 S SEE SHEET 8 G. S

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
12.0	Use and control of welding filler materials. BNP-QCP 8.1 "Weld filler material control" rev 1 11/5/75 to rev 13 11/6/85 BNP-QCP 1.1 "Receiving Inspection" rev 0 6/3/75 to rev 16 8/22/85 G 29 1.M.1.1 "General welding procedure spec." 1970-1985 1.M.3 "Specification for welding materials control" 1970-1985 NCM 5.1 "Welding control"	(3) Sec 8.0 (6) (7) QAPP 9, 13 & 17	1.0 Verify that weld filler control procedures exist. See item 2.0 below. 2.0 List weld filler control procedures. 3.0 Review a minimum of 25 filler material CMTRs against weld material specifications, and QA documentation of inspection.	O SWB 4/3/86 KORC AMV See sheet 7

Bellefonte

SIIs

QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
13.0	Inprocess control of welding.	(2) (3) (4) 9 QPR-1 (6) (7) OAPP 2 & 17	1.0 Identify and list the TVA documents that control welding operations. Review documents for adequacy to program requirements. BNP-QCP-10.13, 7.5, 7.9, 8.1 & 8.2. NCM-SECTION 5. G-29	S
			2.0 Examine a minimum of 10 operation checklists (travelers) for procedure compliance.	
			3.0 Sample shall include welds identified in sheet 1. ITEM 1: WELD DATA CARDS PER QCP-7.5, 7.9 & 8.2 ITEM 2: QCP 7.5 & 7.9 CARDS ITEM 3: QCP 7.5 & 7.9 CARDS ITEM 4: OPERATION CHECK LIST & 7.5 & 7.9 CARDS ITEM 5: QCP 7.5 & 7.9 CARDS ITEM 6: QCP 7.5 & 7.9 CARDS ITEM 7: QCP 7.5 & 7.9 CARDS ITEM 8: QCP 7.5 & 7.9 CARDS & 7.9, REV.9 DEFECT CARD ITEM 9: QCP 7.5 & 7.9 CARDS ITEM 10: QCP 7.5 & 7.9 CARDS ITEM 11: QCP 7.5 CARD ITEM 12: QCP 7.5 & 7.9 CARDS ITEM 13: QCP 7.5 & 7.9 CARDS ITEM 14: QCP 7.5 & 7.9 CARDS ITEM 15: QCP 7.5 & 7.9 CARDS ITEM 1A: CHECKLIST AND QCP 7.5 & 7.9 CARDS ITEM 2A: QCP 7.5 & 7.9 CARDS ITEM 3A: QCP 7.5 & 7.9 CARDS ITEM 4A: QCP 7.5 & 7.9 CARDS ITEM 5A: QCP 7.5 & 7.9 CARDS ITEM 6A: QCP 7.5 & 7.9 CARDS	S SRG JBC 4/2/86

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QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
14.0	Documentation of technical and quality activities.	N/A	Reference items 2 through 13 and 15 through 17 of this checklist. * Activity Verified By Above	* A.M.V. 4/2/86 SWB 4/4/86

SFF-20806

Bellefonte
Site

QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
15.0	Non-conformance and corrective actions.	(2) Sec 10.1 & 10.2 (3) Sec 15.01 (4) Sec 150 AI-1 (7) QAPP G.M.V. 4/3/86 ~~16.5 &~~ ~~16.6~~ 15.1 & 16.1	1.0 Verify by review of controlling procedures, non-conformance reports and related corrective action reports. 2.0 A minimum of 20 non-conformance reports and related corrective action reports shall be reviewed. 3.0 This review shall include the welds listed in sheet 1 if applicable. OC-QAP-15.1 REV. 12 & Add. 2 - 9/20/85 OC-QAP-16.1 REV. 8 & Add. 1 - 2/10/86 BNP-QCP-10.4 REV. 14 BNP-QCP-10.35 REV. 4 BNP-QCP-10.43 REV. 1	See sheet 4 S G.M.V. 4/3/86 (TBK)

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Sits

QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
16.0	Training programs.	N/A	See checklist item No. 11.	S RRC 4-2-86 S A.M.J. 4/2/86

SPP-20608

Bellefonte

Site

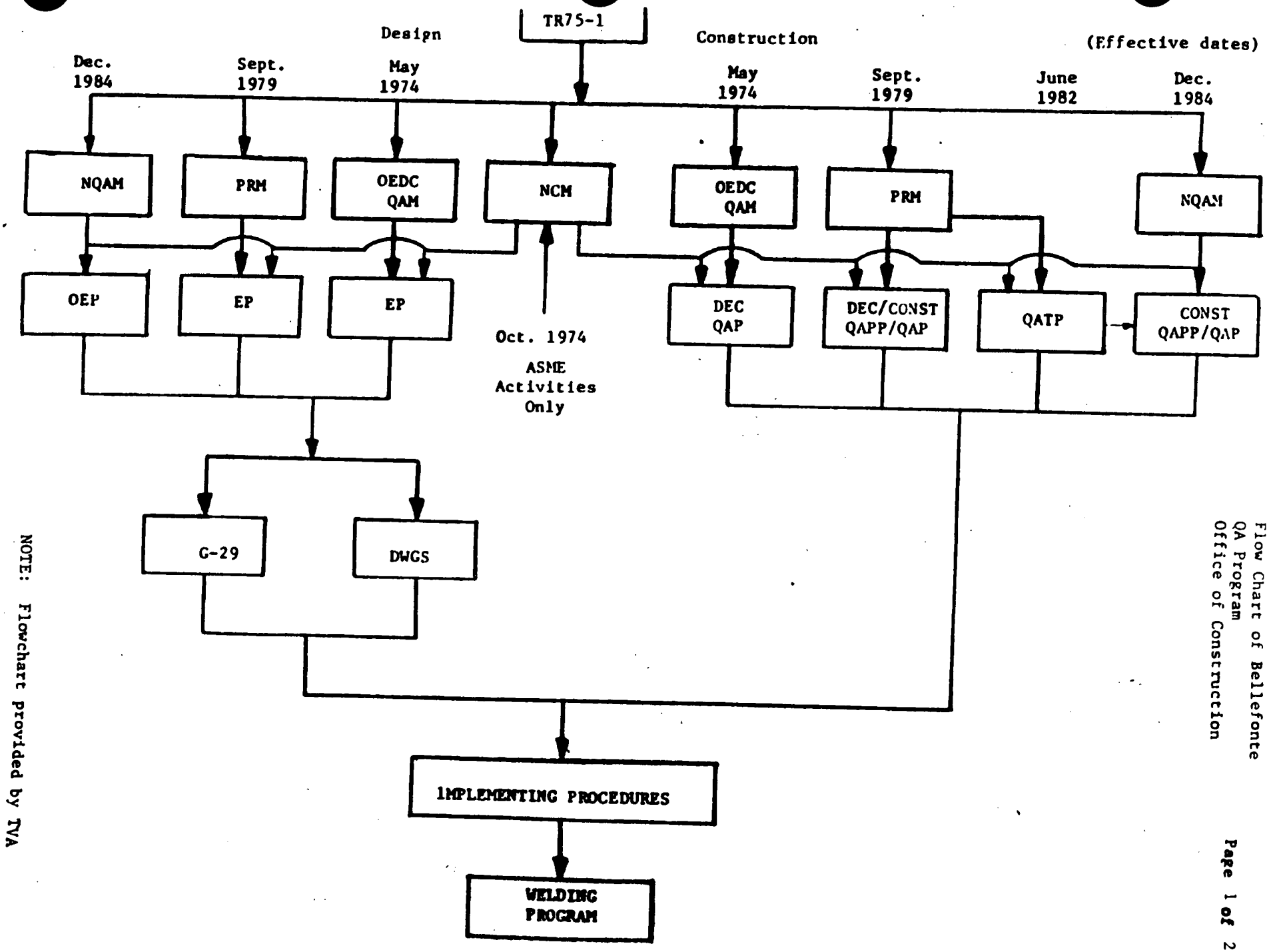
QUALITY AUDIT CHECKLIST

Checklist No. TVA-03-OC

ITEM	ELEMENT CHARACTERISTIC	REFERENCE	METHOD OF VERIFICATION	AUDIT RESULT
17.0	Additional areas of concern as determined by a review of employee concerns.	N/A		
17.1	Concern No. XX-85-107-001 regarding welder certification.		See item 3.0 in checklist.	S SWB 4/4/86 SRG
17.2	Concern No. XX-85-069-003 regarding welder certification and on the job training.		See items 4.0 and 11.0 in checklist.	S SWB 4/4/86 SRG
17.3	Concern No. BEM-5-001-001 and BEM-5-001-002 regarding weld inspections.		See item 10.0 in checklist.	S LORC 4-3-86 SWB 4/4/86
17.4	Concern No. XX-85-68-006 regarding weld rod control satisfying code requirements.		See item 12.0 in checklist.	S SWB 4/4/86

G. M. Vanhuson 4/4/86

0608



Flow Chart of Bellefonte
QA Program
Office of Construction

NOTE: Flowchart provided by TVA

Attachment A

SAR - Safety Analysis Report
TR75-1 - Topical Report
OEDC QAM - Office of Engineering Design and Construction Quality Assurance Manual
PRM - OEDC Quality Assurance Program Requirements Manual for Design Procurement and Construction
NQAM - Nuclear Quality Assurance Manual
NCM - Quality Assurance Manual for ASME Section III Nuclear Power Components
EP - Engineering Design Procedures
OEP - Office of Engineering Procedures
DEC QAP - Division of Construction Quality Assurance Procedures
CONST QAPP - Office of Construction Quality Assurance Program Policy
CONST QAP - Construction Quality Assurance Procedure
QATP - Construction Quality Assurance Training Plan
G-29 - General Construction Specification for Welding, Heat Treatment, Nondestructive Examination and Allied Field Fabrication Operations

Items for Audit

OFFICE OF CONSTUCTION

PIPING

Item No.	Identification of welds	Drawing No.	System	Unit	Class
1.	Penetration #30-14	WM2SM-1 rev. 2	Main steam penetration that require post weld heat treatment	2	ASME Class 2
2.	ICF 336	WM1 CF-5 rev. 10	Feedwater system that had post weld heat treatment	1	ASME Class 2
3.	2NC-25	WM2 NC-1 rev. 3	Reactor coolant	2	ASME Class 1
4.	1ND-281D	WM1 ND-9 rev. 10	Decay heat removal system	1	ASME Class 1
5.	1NB-620	WM1 NB-6 rev. 9	Chemical addition and Boron recovery system	1	ASME Class 3
6.	1NV-2214	WM1NV-24 rev. 10	Makeup and purification	1	ASME Class 3
7.	1NL-20	WM1NL-1 rev. 10	Core flooding system	1	ASME Class 1
8.	2KC-658B	WM2 KC-7 rev. 3	Component cooling water system	2	ASME Class 2
9.	2CA-228	WM2CA-12 rev. 4	Aux. feedwater system	2	ASME Class 2
10.	2KE-1539	WM2KE-18 rev. 4	Essential raw water system	2	ASME Class 3

Item No.	Identification of welds	Drawing No.	System	Unit	Class
	Hanger No.	PIPE HANGERS			
11.	022	1AW0500-SM-B1 rev. 6 detail 1SM-MPHG-0070	Main Steam	1	N/A
12.	659	1AW2412-ND-B2 rev. 6 detail 2ND-MPHG-0659	Decay heat removal	2	N/A
		STRUCTURAL SUPPORT			
13.	STA 132	WM1RV-19 rev.4	Cable tray	1	N/A
14.	STA 60	WMORV-19 rev. 6	Cable tray	1	N/A
15.	1391	WM2A6-31 rev. 3	Valve room pipe supports	2	N/A

Items for Audit

Additional Walk Down Sample

Item No.	Identification of welds	Drawing No.	System	Unit	Class
1A	1NL-22U1	1WM1NL-1 rev. 9	Core flooding	1	ASME Class 2
2A	1ND-290	WM1ND-9 rev. 10	Decay heat removal	1	ASME Class 1
3A	1ND-13-2	1RW0413-ND-E1 rev. 5	Decay heat removal	1	N/A
4A	1ND-287B	WM1ND-9 rev. 10	Decay heat removal	1	ASME Class 2
5A	1KE-760	1AW1453-KE-01 rev. 11	Essential raw cooling water	1	N/A
6A	2NM-192E	WM2NM-8 rev. 9	Spent fuel cooling system	2	ASME Class 3

WELDER QUALIFICATIONS

Welders Name	Stamp (Note 1)	Date of Initial Certification (Note 2)	Item No. (Note 3)	Are Welder Continuity Records Satisfactory?	Renewal Date (Note 4)	Audit Status
Moody	FAPQ	03/13/78 11-17-78	1	Yes	N/A	S
Williamson	FASW	07-28-78 12-11-78	1	Yes	N/A	
Avans	FADD	12-12-78 07-02-82	2	Yes	N/A	
Privette	FBFZ	02-05-80 10-09-81	2	Yes	N/A	
Smith	FALW	02-20-78 02-06-78	3	Yes	N/A	
Hensley	FBKG	02-15-80 01-16-81	4	Yes	N/A	
Lemons	PAAQ	10-22-79 10-21-81	5	Yes	N/A	
Roberts	FAUT	12-20-78 11-28-78	6	Yes	N/A	
Ritchie	FBMS	04-10-80 06-28-82	7	Yes	N/A	
Sanders	FBTU	09-29-82 09-27-82	8	Yes	N/A	SRG 4-2-86

WELDER QUALIFICATIONS

Welders Name	Stamp (Note 1)	Date of Initial Certification (Note 2)	Item No. (Note 3)	Are Welder Continuity Records Satisfactory?	Renewal Date (Note 4)	Audit Status
Downs	FBKD	10-26-81 02-14-80	8	Yes	09-29-83	S
Watson	FBJI	02-05-80 02-22-80	9	Yes	08-21-80	
Moore	FAOV	12-20-78 03-21-79	10	Yes	N/A	
Fox	FARN	04-26-78 07-29-82	10	Yes	N/A	
Alexander	FCNI	09-19-79 03-28-82	12	Yes	N/A	
McBride	EADD	08-25-78 06-02-77	13	Yes	N/A	
Kell	EABY	10-28-76 05-19-77	14	Yes	N/A	
Smith	FAMA	07-13-81 04-27-78	15	Yes	N/A	
Furgerson	FBHG	08-27-80 05-02-80	1A	Yes	08-02-83 02-19-85	
Avans	FBTA	09-19-80 11-20-81	1A	Yes	N/A	
Sanderson	FBPD	06-20-80 04-30-80	1A	Yes	N/A	SRG 4-2-86

WELDER QUALIFICATIONS

Welders Name	Stamp (Note 1)	Date of Initial Certification (Note 2)	Item No. (Note 3)	Are Welder Continuity Records Satisfactory?	Renewal Date (Note 4)	Audit Status
Dodson	FBNJ	09-26-80 08-05-80	1A	Yes	N/A	S
Fox	FAFV	12-05-78 09-19-77	2A	Yes	N/A	
Summers	FAHM	01-30-79 11-02-78	3A	Yes	N/A	
Coffey	FANQ	01-04-78 03-10-78	4A	Yes	N/A	
Gay	FASM	07-25-78 07-24-78	5A	Yes	N/A	
Blackwell	FAME	06-02-78 05-12-78	6A	Yes	02-13-81	
Gardner	BAAN	01-31-77 05-09-78	N/A	Yes	N/A	
Hutchins	BADH	06-03-77 10-07-82	N/A	Yes	N/A	
Springer	FAGJ	09-14-76 11-15-76	N/A	Yes	N/A	
Green	FANV	03-07-78 03-22-78	N/A	Yes	N/A	
Mathews	FBGE	10-04-79 06-30-80	N/A	Yes	N/A	SRG -2-86

WELDER QUALIFICATIONS

Welders Name	Stamp (Note 1)	Date of Initial Certification (Note 2)	Item No. (Note 3)	Are Welder Continuity Records Satisfactory?	Renewal Date (Note 4)	Audit Status
Huskey	FBLN	10-17-79 07-26-79	N/A	Yes	N/A	S
Matthews	FBOX	04-13-81 03-12-82	N/A	Yes	N/A	
Acker	FBQM	08-27-80 02-27-81	N/A	Yes	N/A	
Gothard	FBXM	03-10-82 04-01-81	N/A	Yes	N/A	
Freeman	FCPD	10-30-79 04-20-81	N/A	Yes	N/A	
Goodwin	IAEB	11-18-77 02-04-77	N/A	Yes	N/A	
Saint	IAEU	08-19-77 09-17-81	N/A	Yes	N/A	
Terrill	IAGQ	03-02-78 07-27-84	N/A	Yes	N/A	
Wright	IAHR	05-31-78 05-01-78	N/A	Yes	N/A	
Summers	IALQ	09-04-80	N/A	Yes	N/A	
Lockhart	IALW	03-29-82	N/A	Yes	N/A	SRG 4-2-86

WELDER QUALIFICATIONS

Welders Name	Stamp (Note 1)	Date of Initisl Certification (Note 2)	Item No. (Note 3)	Are Welder Continuity Records Satisfactory?	Renewal Date (Note 4)	Audit Status
Weaver	SABG	05-16-78 12-19-77	N/A	Yes	04-17-80	S
Walden	SACC	03-21-79 01-10-79	N/A	Yes	N/A	
Montgomery	WAAN	08-28-78 01-26-83	N/A	Yes	N/A	
Carmon	WAAO	03-23-78 04-26-78	N/A	Yes	N/A	SRG 4-2-86

(Note 1) The first letter of the stamp identifies the craft as follows:

F - Pipe fitter
I - Iron worker
B - Boiler maker
S - Sheet metal
W - Millwright
P - Instrumentation
E - Electrician

(Note 2) Many welders have multiple qualifications. Two dates listed indicates two separate welding processes or separate qualification codes.

(Note 3) Specific welder certifications are not traceable to the weld joint for item 11. Item 11 does not require welder traceability.

(Note 4) N/A indicates that renewal of qualification is not applicable.

INSPECTOR PERSONNEL QUALIFICATIONS

INSPECTOR	QUALIFICATION	DATES	AUDIT STATUS
1. Joe H. Guthrie	RT-Level II	10-7-77	
	RT-Level II Recert	7-24-80	
	MT-Level II	8-26-77	S
	MT-Level II Recert	7-23-80	
	PT-Level II	9-7-77	
	PT-Level II Recert	7-22-80	
	UT-Level II	9-30-77	
	UT-Level II Recert	9-30-80	
2. Henry M. Stephens	MT, PT, RT, UT, Level III	3-6-75	S
3. Larry Mondok	MT-Level II	6-23-78	
	PT-Level II	4-3-78	S
4. Alesia R. Cox	Visual Welding-II	8-5-83	S
5. L. S. Howell	RT-Level II	5-28-82	
	RT-Level II Recert	3-1-85	S
	PT-Level II	7-30-85	
6. Dan H. Mickler	MT, PT, RT, Ut-Level III		S
7. Michael P. Moore	Visual Weld-II	8-5-83	
	PT-Level II	9-7-83	S
	MT-Level II	10-13-83	
8. Bruce D. Moran	Weld Insp. Level II	9-18-81	
	PT-Level II	2-15-80	S
	MT-Level II	7-11-80	
9. John A. Crabtree	PT-Level II	4-21-78	
	PT-Level II Recert	1-21-82	S
	MT-Level II	4-29-82	
	Visual Weld Level II	9-12-81	
10. D. Hale	Visual Weld-Level II	10-2-81	
	PT-Level II	2-15-80	S
	PT-Level II Recert	9-20-82	
11. D. J. Morris	Visual Weld-II	9-25-81	
	MT-Level II	8-7-81	S
	PT-Level II	6-29-79	

DRC 4-1-8

INSPECTOR PERSONNEL QUALIFICATIONS

INSPECTOR	QUALIFICATION	DATES	AUDIT STATUS
12. Marcus O. Moore	Visual II	4-9-82	
	PT-Level II	4-15-82	S
	PT-Level II Recert	3-18-85	
	MT-Level II	4-30-80	
	MT-Level II Recert	3-19-85	
13. Mike Bunch	Weld Insp. Level II	8-9-85	
	MT-Level II	8-2-85	S
	PT-Level II	7-29-85	
	RT-Level I	12-4-84	
14. Stephen . French	MT-Level II	4-30-82	S
	PT-Level II	8-13-81	
15. William G. Helton	PT-Level II	8-25-78	S
16. Alexander Hightower			
	Weld Insp. Level II	8-17-81	
	MT-Level II	3-11-82	S
	PT-Level II	8-13-81	
17. Gary M. Johnson	Weld Insp. Level II	10-2-81	
	Weld Insp. Recert	7-10-84	
	MT-Level II Recert	3-19-85	S
	PT-Level II Recert	3-18-85	
	UT-Level I	9-23-77	
18. R. Goodloe	Visual Weld Level II	7-11-84	
	MT-Level II	11-21-80	S
	MT-Level II Recert	6-2-83	
	PT-Level II	11-7-80	
	PT-Level II Recert	6-1-83	
19. J. L. Hatmaker	MT-Level II	7-26-79	
	PT-Level II	6-29-79	S
	UT-Level II	2-15-80	
20. Steve Godfrey	Visual Weld-Level II	11-28-84	
	MT-Level II	1-21-82	
	MT-Level II Recert	11-27-84	S
	PT-Level II	1-21-82	
	PT-Level II Recert	11-27-84	

DRC 4-1-86

INSPECTOR PERSONNEL QUALIFICATIONS

INSPECTOR	QUALIFICATION	DATE	AUDIT STATUS
21. Pat Whittenburg	PT-Level II	10-8-81	
	PT-Level II Recert	7-11-84	
	MT-Level II	8-13-82	S
	MT-Level II Recert	7-26-85	
	Visual Weld Insp. Level II	10-23-81	
	Visual Weld-Recert	7-11-84	
22. Cathy L. Smith	MT-Level I	8-5-76	
	PT-Level I	3-4-76	S
	PT-Level II	7-14-76	
23. B. Rains	Visual Weld-II	9-25-81	
	MT-Level-II	2-8-80	
	MT-Level-II Recert	9-22-82	S
	PT-Level-II	10-5-79	
	PT-Level-II Recert	9-20-82	
24. R. Watkins	Visual Weld-Level II	10-22-82	
	PT-Level II	12-22-81	
	PT-Level II Recert	3-18-85	S
	MT-Level II	12-11-81	
	MT-Level II Recert	3-18-85	
	RT-Level I	6-24-85	
25. R. A. Clements	Visual Weld Level II	9-18-81	
	Visual Weld Recert	7-9-84	
	MT-Level II	12-15-83	S
	PT-Level II	2-18-81	
	PT-Level II Recert	1-6-85	
	UT-Level II	7-27-83	
26. J. Lancaster	MT-Level II	11-3-78	S
	PT-Level II	8-25-78	

RRC 4-1-86

INSPECTOR PERSONNEL QUALIFICATIIONS

Inspector	Qualification	Dates	Audit Status
D. Evans	Vis-Exam. BNP-QCP-7.5 Fitup-Insp. BNP-QCP-7.9	02/76 thru 10/81 (Note-1.)	S
R. A. Clements	"	02/77 thru 10/81 (Note-1.)	
G. M. Johnson	"	01/76 thru 10/81 (Note-1.)	
C. Smith	"	03/76 thru 08/77 (Note-2.)	
J. P. Brown	"	05/77 thru 07/82 (Note-2.)	
R. Norton	"	10/77 thru 10/81 (Note-1.)	
D. Evans	Process Spec 3.M.5.1 Level II Vis.	07/10/84 Exp.-07/10/87	
R. A. Clements	"	07/09/84 Exp.-07/09/87	
R. C. Brewer	"	09/21/84 Exp. 09/21/87	
G. M. Johnson	"	07/10/84 Exp.-07/10/87	
C. K. Tudor	"	08/02/84 Exp.-08/02/87	
J. Swieder	"	08/02/84 Exp.-08/02/87	
D. Hobby	"	03/20/85 Exp. 03/20/88	
R. Norton	"	09/25/81 Exp. 09/25/84 (Note-2.)	
R. Wrobel	Hydro-BNP-QCP-7.6	01/78 thru 07/24/85 Exp. 07/24/87	

Note 1. Recert to Level II vis.
Note 2. No performance after exp. date

A.M.V
4/2/86

INSPECTOR PERSONNEL QUALIFICATIIONS

Inspector	Qualification	Dates	Audit Status
B. Bennett	Rec. Insp. BNP-QCP-1.1	07/79 thru 03/85	S
C. R. Bowen	"	07/76 thru 08/82	
W. R. Ellett	"	10/76 thru 04/80	
A. D. Hammond	"	01/78 thru 03/84	
J. R. Henderson	"	08/76 thru 08/85	
D. Maroney	"	07/75 thru 08/85	
S. G. Hicks	"	02/80 thru 08/85	
J. Martin	"	12/80 thru 03/84	
N. Otey	"	03/78 thru 08/82	
J. P. Timberlake	"	11/76 thru 3/77	

G.M.V
4/2/86

REVIEW OF NONCONFORMANCE REPORTS AND CORRECTIVE ACTIONS

Problem Type & No.	Date	Corrective Action	Audit Status
NCR-1134	01/30/80	06/06/80	S
NCR-1246	07/21/80	10/14/80	
NCR-1314	12/12/80	05/02/84	
NCR-3438	09/07/84	11/05/84	
NCR-3595	10/12/84	12/05/84	
NCR-4004 R1	03/04/85	04/03/85	
NCR-4048	03/14/85	04/03/85	
NCR-1135	02/08/80	12/15/80	
NCR-1203	05/21/80	Open-Further Rework Required	
NCR-1174	04/22/80	05/27/81	
NCR 1167	04/04/80	06/12/81	
NCR 1142	02/25/80	07/23/81	
QCIR-3318	03/19/80	10/20/81	
QCIR-3040	01/31/80	01/31/80	
QCR-1133	12/01/78	04/02/79	
QCR-11396	07/02/81-3	07/16/81	
QCR-11398	07/16/81	07/23/81	
QCR-11404	07/16/81	08/18/81	
QCR-6158	01/07/81	02/03/81	
D1R-W-002	09/26/79	10/30/79	
AL6-A-007	01/26/80	06/06/80, closed by NCR-1134	
AL6-A-011	04/04/80	07/23/81, closed by NCR's 1142, 1167, 1174	
ALG-A-015	02/06/81	Open-Covered by NCR 1203	

G.M.V.
4/3/86

DRAWING REVIEW

Drawing No.	Rev.	System	Date	Item Number	Audit Status
WM2SM-1	2	Main steam weld map	05/11/84	1	S
88-M-3BC0600-SM-01	15	Main steam welding and NDE assignment sheet	09/12/83	1	
WM1CF-5	10	Feedwater System	06/14/85	2	
WM2NC-1	3	Reactor Coolant Piping	06/05/85	3	
WM1ND-9	10	Decay Heat Removal	06/05/85	4	
WM1NB-6	9	Chemical Addition & Boron Recovery	01/29/85	5	
WM1NV-24	10	Makeup & Purification	05/17/85	6	
WM1NL-1	10	Mechanical Core Flooding Piping	06/25/85	7	
WM2KC-7	3	Component Cooling Water	05/17/84	8	
WM2CA-12	4	Mechanical Auxiliary Feedwater System	09/19/83	9	
WM2KE-18	4	Essential Raw Cooling Water	12/18/82	10	
1AW0500-SM-B1	6	Support Location, Main Steam	12/08/82	11	
1AW2412-ND-B2	6	N4-2ND-B Support Locations, Decay Heat Removal From Pump 2B Discharge To RB Penetrations	05/03/85	12	
WM1RV-19	4	Cable Tray Supports & Walkways	02/10/84	13	
WM1RV-18	7	Cable Tray Supports Weld Map	02/10/84	13	O
WMORV-19	6	Cable Tray Supports	02/12/86	14	S

DRAWING REVIEW

Drawing No.	Rev.	System	Date	Item Number	Audit Status
WM1RV-17	8	Cable Tray Supports Weld Map	12/10/84	14	O
WM2A6-31	3	Valve Room A Pipo Supports	02/23/84	15	O
1WM1NL-1	9	Machanical Core Weld Map	Not legible	1A	S
88-M-3BC0614-NL-02	10	Welding Assignment For Core Flooding	04/21/83	1A	
WM1ND-9	4	Decay Heat Removal Wald Map	11/20/80	2A	
88-M-3BC0-612-ND-01	10	Welding Assignment For Decay Heat Removal	03/05/85	2A	
1ND-MPHG-0013	4	ITT Grinnell, Pipe Hanger Division	08/11/83	3A	
88-C-1RW0413-ND-E1	4	N4-1ND-E(N4-2ND-4) Support Locations	03/01/85	3A	
88-M-36C0058-00-04	7	Welding Assignment For Compenent Supports	06/25/85	3A	
WM1ND-9	10	Decay Heat Removal Weld Map	06/05/85	4A	
1KE-MPHG-0760	3	ITT Grinnell, Pipe Hanger Division	09/28/81	5A	
1AW14533-KE-01	11	N4-1KE-0, Support Locations	02/11/86	5A	
88-M-3GC0058-00-01	9	Welding Assignment For Component Supports	Not legible	5A	
WM2NM-8	9	Spent Fuel Cooling System Weld Map	04/26/83	6A	
88-M-38C0654	5	Welding Assignment For Spent Fuel Cooling	01/14/83	6A	

REVIEW OF WELDING AND HEAT TREATMENT PROCEDURES

Procedure No.	Rev. No.	Date	Item Number	Audit Status
GT-GM11-0-5 & PQR	0	09/16/77	1	S
Postweld Heat Treatment QCP-8.2	1	12/11/78	1	
Specification for Postweld Heat Treatment-2.M.1.1(b)	b	10/09/74	1	
GT-SM-11-0-2A & PQR	1	04/30/81	2	
GT-SM88-0-1A & PQR	5	04/12/78	3,1A,2A	
General Welding Procedure Specification P.S.1.M.1.2	(a)	02/24/75	1,2,3	
GT88-0-1 & PQR	6	02/23/79	4,5,6,7,4A,6A	
GT11-0-1A & PQR	6	06/25/80	8	
GT-SM11-03B & PQR	8	10/01/80	9	
GM11-0-1 & PQR	3	02/28/75	10	
SM-P-1 & PQR	7	02/24/81	11,15	
GM-FC-P-2 & PQR	2	02/24/81	11	
SM11-B-3A & PQR	0	07/01/75	12,5A	
GM-FC-P-2 (AWS Prequalified)	0	09/13/76	13	
GM-SD-P-2 & PQR	0	09/17/76	14	
SM11-B-9B	0	10/18/78	3A	

TBK
4/2/86

WELD FILLER METAL
OFFICE OF CONSTRUCTION

No.	Item No. (per Sheet 1)	Contract No.	Heat No.	Lot No.	Material	Date *	Specification SFA No.	Specification PF No.	Audit Status
1	1	76X72-523054-5	-	3401	E70T1	05/02/79	5.20	1036 R2	S
2	-	76X72-523054-5	-	3400	E70T1	05/02/79	5.20	1036 R2	
3	-	76X72-523054-5	-	1332	E70T1	05/02/79	5.20	1036 R2	
4	1	76X72-523054-5	-	3422	E70T1	04/11/78	5.20	1036 R3	
5	1,9	76X72-523045-6	02M503	-	E70S-3	03/11/77	5.18	1019 R7	
6	1	76X72-523045-6	81202	-	E70S-6	04/22/78	5.18	1019 R8	
7	2,8	98KA1-589853	658C253	-	E70S-6	08/13/82	5.18	1019 R8	
8	2,3A	83X71-661784-1	-	125D	E7018	04/05/83	5.1	1012 R11	
9	2,12	98KA1-589853	49911	-	E70S-6	08/13/82	5.18	1019 R8	
10	2	83K71-661784-2	8215	23303	E7018	04/04/83	5.1	1012 R11	
11	3, 4	79K72-589854	C4579308	-	ER308	02/10/81	5.9	1015 R6	
12	3, 1A	79KA1-589852	-	9J1A Mix 29	E308-16	11/13/79	5.4	1016 R6	
13	3	79KA1-589852	-	0A22B	E308-16	04/22/80	5.4	1016 R6	
14	3,4,6,7 1A,2A,4A	TR 786436	463730	-	ER308	12/05/80	5.9	1015 R6	
15	7,6,2A 4A,6A	RD 616242	743556	-	ER308	04/25/78	5.9	1015 R6	
16	7	76X72-523054-5	403-2100	-	E308-16	10/03/79	5.4	1016 R6	
17	7	76X72-523054-3	402-3010	-	E308-16	10/03/79	5.4	1016 R5	

*Date accepted for use.

SWB
4/4/86

WELD FILLER METAL
OFFICE OF CONSTRUCTION

No.	Item No. (per Sheet 1)	Contract No.	Heat No.	Lot No.	Material	Date *	Specification SFA No.	Specification PF No.	Audit Status
18	8	76X72-523054-6	81209	-	E70S-6	08/13/82	5.18	1019 R8	S
19	9	TR 787149	401N1211	026B632	E7018	03/22/82	5.1	1012 R10, R7	
20	9	80X74-607876	421L869	026B634	E7018	03/25/81	5.1	1012 R9	
21	9,15	80K74-607876	431L245	026B221	E7018	03/26/81	5.1	1012 R9	
22	10	RD 610287	N56610	-	E70S-6	03/17/78	5.18	1019 R7	
23	12	81K74-607830	92120D	-	E7018	07/16/82	5.1	1012 R11	
24	14	76K72-765821-1	411T1061	-	E70S-3	01/14/76	5.18	1019 R4	
25	-	RD 616242	761409	-	ER308	04/25/78	5.4	1015 R6	
26	-	79KA1-589852	0C11B-4	-	E308-16	04/22/80	5A	1016 R6	
27	13	76X72-523054-5	-	1360	E70T-1	04/11/78	5.20	1036 R2	
28	13	76X72-523054-5	-	1359	"	"	"	"	
29	13	76X72-523054-5	-	1358	"	"	"	"	
30	13	76X72-523054-5	-	1357	"	"	"	"	
31	13	76X72-523054-5	-	1356	"	"	"	"	
32	13	76X72-523054-5	-	3423	"	"	"	"	
33	6A	RD 533334	760429	-	ER308	06/17/76	5.9	1015 R4	
34	6A	RD 533334	741872	-	ER308	06/17/76	5.9	1015 R4	
35	2A	RD 635094	-	9C16B Mix 4	E309-16	06/17/76	5.4	1016 R5	

*Date accepted for use

SWB
4/4/86

WELD FILLER METAL
OFFICE OF CONSTRUCTION

No.	Item No. (per Sheet 1)	Contract No.	Heat No.	Lot No.	Material	Date *	Specification SFA No.	Specification PF No.	Audit Status
36	-	79K72-589854	-	C4823-308	ER308	08/31/81	5.9	1015 R6	S
37	2A	RD 635094	-	9D9C Mix 24	E309-16	06/27/79	5.4	1016 R5	
38	5A	79K72-776316-2	43877	9092	E7018	04/12/79	5.1	1012	
39	6A	RD-533334	782544	-	ER308	06/17/76	5.9	1015 R4	
40	-	76X72-523054-6	431C1561	083B105	7010-A1	04/09/79	5.5	1040 RO	S Note 1
41.	-	76X72-523054-6	A63236	081B109	7010-A1	03/20/79	5.5	1040 RO	S Note 1
42.	-	76X72-523054-6	L61704	081B104	7010-A1	04/27/79	5.5	1040 RO	S Note 1
43.	-	76X72-523054-6	431C1561	0833105	7010-A1	10/03/78	5.5	1040 RO	S

SWB
4/4/86

Note 1 This material did not have impact testing and was not required to by PF 1040 RO. The receiving inspection checklist showed acceptance of the electrodes to PF 1022 which required impact testing. There had been a contract change after ordering and before receipt which changed the applicable specification PF 1022 to PF 1040. This situation was corrected during the audit and it was established by the Welding Engineering Unit that the material had not been used in any systems requiring impact tested material.

TRAINING RECORDS FOR ENG PERSONNEL
PER BNP-QCP-10.50-QA TRAINING PROGRAM

Engineer	Unit	Grade	Subject	Date	Audit Status
G. Adkins	WEU	SE-6	BNP-QCP 10.4R12	03/05/85	S
J. Adams	"	SC-3	"	"	
R. Beech	"	SC-Z	"	"	
K. Tucker	"	SC-4	"	"	
J. Guess	"	SE-6	"	"	
S. Holder	"	SE-5	"	"	
P. Newman	"	SE-3	"	"	
L. Phillips	"	SE-3	"	"	
J. Hamilton	"	SB-3	"	"	
K. Scanlan	"	SE-4	"	"	
R. Jenninge	"	SE-6	"	"	
C. Looney	"	SC-4	"	"	
R. Lawless	"	M-5	"	"	

G.M.V.
4/3/86

Training Records For Craft Personnel
Per BNP-QCP 10.30 Craft QA Training Program

Training: Welding Orientation (On going training)

Personnel	Date	Title	Audit Status
G. W. Matthews	03/20/86	Stm. Fitter Welder	S
D. Lott	03/20/86	"	
W. Hood	"	"	
T. Benner	08/13/85	Welder	
J. Shafer	11/25/85	"	
L. Lockhart	03/27/86	Iron Worker Welder	
J. Rorex	03/13/86	"	
B. Austin	"	Welder	
J. Carter	"	Stm. Fitter Welder	
S. Hess	"	DR Welding Foreman	

a.m.d. 4/4/86

Training: Q.A. Orientation (On Going Training)

Personnel	Date	Title	Audit Status
J. Shafer	11/12/85	Welder/Mach.	S
T. Clifford	03/31/86	Steamfitter	
S. Hess	03/27/86	DR-Welding Foraman	
C. Lequire	03/20/86	B/R.Maker-Wolder	
H. Stephens	"	Iron Worker Foraman	
P. Maeks	"	Steamfitter Foreman	
G. Allen	03/13/86	Steamfitter Foreman	

a.m.d. 4/4/86

3.0 BELLEFONTE WELDING REINSPECTION REPORT

3.1 Introduction

The weld reinspection effort at Bellefonte Nuclear Plant (BLN) was developed to address generic and plant specific employee concerns, to determine adequacy of welds produced by the BLN welding program, and to provide additional data for determining the suitability of welding for licensing of the BLN units.

3.2 Scope

The reinspection focused on safety-related systems and components of the plant. The reinspection was performed in accordance with the Welding Project Procedure WP-09 "Welding Project Reinspection Plan Bellefonte Nuclear Plant", Attachment A. Only surface examinations were repeated during the reinspection for Bellefonte except torque testing was performed on welded studs and radiographic film was reread by a Level III radiographer for all welds having radiography. Discrepancies were evaluated in accordance with TVA Welding Project Procedure WP-10 "DNE Procedure for Reconciliation and Evaluation of Reinspection Results Bellefonte Nuclear Plant", Attachment B. A total of 316 structural items, 517 mechanical piping welds, and 89 HVAC duct welds were included in the reinspection. Information concerning the structural and mechanical welds reinspected is shown on the following pages.

SUMMARY OF STRUCTURAL WELDS REEXAMINED

ITEMS REINSPECTED	NUMBER OF PACKAGES	NUMBER OF ITEMS
Pipe Supports		
NF1	20	20
NF2	20	21
NF3	26	35
AISC	26	32
Instrumentation Supports	11	11
Cable Tray Supports	15	15
Conduit Supports	11	11
Electrical Equipment Supports	10	11
HVAC Supports	11	11
Equipment Supports	8	8
Access Platforms	9	9
Floor Framing Connections	20	20
Spray Shield and Jet Impingement Barrier	5	5
Pipe Whip Restraints	9	9
Liner Plate		
Containment - One foot segments	51	51
Refueling Canal - Segments of varying length	8	8
Spent fuel pool - Segments of varying length	3	3
Welded studs	19	36
TOTALS	282	316

SUMMARY OF PIPING WELDS REEXAMINED

SYSTEM	NUMBER OF WELDS
CA - Auxiliary Feedwater	9
CF - Feedwater	9
CR - Startup & Recirculation	1
FF - Diesel Generator Fuel Oil	4
IO - Instrument & Control	2
IR - Radiation Monitoring System	2
KC - Component Cooling Water	29
KE - Essential Raw Cooling Water	31
NB - Chemical Addition & Boron Recovery	20
NC - Reactor Coolant	1
ND - Decay Heat Removal	50
NI - Containment Isolation	6
NK - Reactor Coolant System Drains & Vents	2
NL - Core Flooding	9
NM - Spent Fuel Cooling	5
NS - Reactor Building Spray	32
NV - Makeup & Purification	122
RG - Diesel Generator Starting Air	6
RJ - Essential Air	8
RK - Compressed Air	4
SA - Auxiliary Steam	1
SM - Main & Reheat Steam	11
SV - Relief Vents & Miscellaneous Main Steam	2
VA - Auxiliary Building Trained Areas Heating and Ventilation	20
VE - Auxiliary Building Trained Areas Air Conditioning	124
WD - Waste Disposal	7
TOTAL	517

SUMMARY OF HVAC DUCT WELDS REEXAMINED

SYSTEM	NUMBER OF WELDS
VA - Auxiliary Building Trained Areas Heating and Ventilation	89

Detail information concerning codes, specifications, standards, nondestructive examinations performed, materials, type of weld joints, and unit designation of the reinspected mechanical welds is shown in Tables 3.3 and 3.5.

3.3 Reinspection Personnel, Quality Assurance, and Special Criteria

Personnel who performed the reinspection were given site specific training to familiarize them with the reinspection plan, the methods to be employed, and the specifications and acceptance criteria to be followed in performing the reinspection. AWS Certified Welding inspectors (CWIs) performed the structural, HVAC duct, and support reinspections, excluding NF pipe supports. Personnel performing the piping and NF pipe support reinspections were Level II inspectors certified in accordance with SNT-TC-1A or equivalent (certification program for visual patterned after the fornnat of Nondestructive Examination established in SNT-TC-1A).

An independent overview of the reinspection was performed by Bechtel personnel. The piping and NF support reinspections were overviewed by a SNT-TC-1A Level III inspector and structural reinspections by an AWS CWI. The overviews confirmed compliance to the reinspection procedure and verified the accuracy of data collected. Reports of the independent overview inspectors are shown in Appendices 3.1 (structural) and 3.2 (piping and NF supports).

In addition to the specific requirements noted in the implementing procedures, the inspectors confirmed the use of generic welding filler material using a magnet. Acceptability was based on the weld/filler material being: carbon steel (magnetic), or austenitic stainless steel (slightly magnetic or not magnetic). Stainless steel welds exhibiting strong magnetic attraction were confirmed as being stainless steel by measuring ferrite content using a Fisher ferrite scope. Coating on welds was removed for all reinspections. All data from visual reinspections were recorded on the forms included in Attachment A.

3.4 Criteria for Selection of Welds to be Reinspected

The selection of the welds to be reinspected was based on the following criteria:

- Selection not statistically based, however the selections were made by random selection utilizing the BLN computerized weld and component accountability program to the maximum extent possible.
- Provide a representative look at each of the classes of items to be reinspected.

- Cover the work of all crafts (e.g., pipefitters, ironworkers, etc.).
- Cover safety-related systems and structures.
- Cover various types of weld joint configurations in both piping and structures (e.g., butt welds, fillets, sockets, etc.).
- Select from both units using the BLN computerized weld and component accountability program and a physical walkdown of each unit.
- Select structural welds to include all welding positions.

3.5 Reinspection Procedures

Current revisions of Nuclear Quality Assurance Inspection Procedures were used for the reinspection of both structural and piping welds using the most stringent acceptance criteria in effect at anytime during construction of the plant. The criteria utilized are stated in the Welding Project Reinspection Plan, Attachment A.

3.6 Reinspection Results

Reinspection data have been tabulated and are shown in Tables 3.1 and 3.2 for the structural welds and Tables 3.3, and 3.4 for the piping and HVAC duct welds.

3.7 Criteria for Reconciliation and Evaluation of Reinspection Data

3.7.1 Structural

Welds rejected during the reinspection were evaluated using the criteria of WP-10 "DNE Procedure for Reconciliation and Evaluation of Reinspection Results Bellefonte Nuclear Plant", Attachment B. All rejected weld attributes were evaluated using the time based criteria in effect at the time of the original inspection. If the rejected attribute met the time based criteria it was judged acceptable and no further investigation was done. Any rejected weld attributes that met the criteria in effect at any time during construction were judged acceptable. Welds accepted by this process are accepted by Reconciliation.

Rejected welds that were not acceptable under the time based criteria (reconciliation) were evaluated to determine if the weld joint could carry the design load within the allowable stress of the controlling specification. If the weld joint met this criteria it was judged acceptable. Welds accepted by this process are accepted by Engineering Evaluation.

If a weld joint was evaluated as not being capable of carrying the design load within the allowable stress, it was evaluated to determine if the actual load caused the joint to be overstressed. If the joint did not exceed the allowable stress using the actual loading condition, it was judged acceptable. Welds accepted by this process are accepted by Engineering Evaluation.

For those welds that did not satisfy any of the above criteria, a Problem Evaluation Report was written to document the unacceptable condition and develop corrective action as required by the site Corrective Action Program.

3.7.2 Mechanical

Weld attributes determined satisfactory by reinspection required no further evaluation. Welds with rejected attributes were evaluated by the Welding Project using the criteria of WP-10 "DNE Procedure for Reconciliation and Evaluation of Reinspection Results for Bellefonte Nuclear Plant", Attachment B.

All rejected weld attributes were evaluated using the time based criteria in effect at the time of the original inspection. If the rejected attribute met the time based criteria it was judged acceptable and no further investigation was done. If the rejected attribute failed to meet the criteria in effect at the time of the original inspection but met the criteria of any time period, it was judged acceptable. Attributes accepted by this process are accepted by Reconciliation.

Rejected welds not acceptable by reconciliation were evaluated to determine if the weld joint could meet the design requirement within the design allowable stress and consequently meet code requirements. Weld joints that met this criteria are accepted by Engineering Evaluation.

When additional information was required to adequately evaluate the rejected weld, characterization of the discrepancy was performed to determine the extent of the deviant condition. The additional information required for evaluation was obtained under Site Procedure BNP QCP-10.36 "Sequence Control Charts" (SCC). This process was used to characterize the discrepant conditions. The results were used in the evaluation of the weld. Welds accepted by this process are accepted by characterization.

For those welds that did not satisfy any of the above criteria, a Problem Evaluation Report was written to document the unacceptable condition and develop corrective action as required by the site Corrective Action Program.

3.8 Assessment of Reinspection Results

3.8.1 Structural Welds

The features included in the reinspection were as follows:

1. Pipe supports

   a. ASME III NF1
   b. ASME III NF2
   c. ASME Ill NF3
   d. AISC

2. Electrical and I&C

   a. Instrumentation supports

b. Cable tray supports
c. Conduit supports
d. Electrical equipment supports

3. Mechanical

a. HVAC supports
b. Mechanical equipment supports

4. Structural

a. Access platforms
b. Floor framing connections
c. Spray shield and jet impingement barriers
d. Pipe whip restraints
e. Reactor Building liner
f. Refueling canal and spent fuel pool liner

5. Welded studs

The reinspection results for each of the listed features are described below with a discussion of the results.

1. Pipe Supports

a. ASME III NF1 pipe supports - The welds for 20 ASME Section III Class NF1 pipe supports were reinspected with the following results:

1031.91	inches of weld reinspected
995.27	inches accepted by reinspection (96.45%)
1.92	inches accepted by reconciliation (0.19%)
10.96	inches accepted by characterization (1.06%)
0.47	inches accepted by characterization and reconciliation (0.05%)
23.29	inches accepted by evaluation (2.26%)
0.00	inches requiring repair (0.00%)

Since all of the welds for Class 1 pipe supports were found to be acceptable, it can be concluded that NF1 pipe support welds as a class are acceptable and that the TVA program for installation and inspection of Class 1 support welds produced code aceeptable welds.

b. ASME III NF2 pipe supports - The welds for 21 ASME Section III Class NF2 pipe supports were reinspected with the following results:

1734.63	inches of weld reinspected

1710.49	inches accepted by reinspection (98.61%)
0.39	inches aceepted by reconciliation (0.02%)
0.87	inches accepted by characterization (0.05%)
0.50	inches accepted by characterization and reconciliation (0.03%)
22.38	inches accepted by evaluation (1.29%)
0.00	inches requiring repair (0.00%)

Since all the welds for Class 2 pipe supports were found to be acceptable, it can be concluded that NF2 pipe support welds as a class are acceptable and that the TVA program for installation and inspection of Class 2 support welds produced code acceptable welds.

c. ASME III NF3 pipe supports - The welds for 35 ASME Section III Class NF3 pipe supports were reinspected with the following results:

3192.40	inches of weld reinspected
3119.26	inches accepted by reinspection (97.71%)
3.81	inches accepted by reconciliation (0.12%)
0.94	inches accepted by characterization (0.03%)
68.39	inches accepted by evaluation (2.14%)
0.00	inches requiring repair (0.00%)

Since all the welds for Class 3 pipe supports were found to be acceptable, it can be concluded that NF3 pipe support welds as a class are acceptable and that the TVA program for installation and inspection of Class 3 support welds produced code acceptable welds.

d. AISC pipe supports - The welds for 32 pipe supports designed and installed to meet AISC requirements were reinspected with the following results:

2951.71	inches of weld reinspected
2827.46	inches accepted by reinspection (95.79%)
124.25	inches accepted by evaluation (4.21%)
0.00	inches requiring repair (0.00%)

Since all of the welds for pipe supports designed and installed to meet AISC requirements were found to be aceeptable, it can be concluded that AISC pipe support welds as a class are acceptable and that the TVA program for installation and inspection of AISC pipe support welds produced acceptable welds.

2. Electrical and Instrumentation

a. Instrumentation supports - The welds for 11 instrumentation supports were reinspected with the following results:

406.50	inches of weld reinspected
379.12	inches accepted by reinspection (93.27%)
0.38	inches accepted by reconciliation (0.09%)
27.00	inches accepted by evaluation (6.64%)
0.00	inches requiring repair (0.00%)

Since all of the welds for instrumentation supports were found to be acceptable, it can be concluded that instrumentation support welds as a class are acceptable and that the TVA program for installation and inspection of instrumentation support welds produced acceptable welds.

b. Cable tray supports - The welds for 15 cable tray supports were reinspected with the following results:

1876.55	inches of weld reinspected
1598.86	inches accepted by reinspection (*85.20%)
8.51	inches accepted by reconciliation (*0.45%)
232.18	inches accepted by evaluation (*12.37%)
37.00	inches requiring repair (*1.97%)
100.76	inches of missing weld (*5.37%)

*Percentage total is greater than 100% because missing weld is not included in inches of weld reinspected.

The reinspection data revealed that one cable tray support in the Unit 1 Reactor Building had an undersize attachment weld to an embedment such that the weld could not met AISC stress criteria. This condition is documented on Problem Evaluation Report (PER) No. BLPER930009. This support is unique in that a 6 x 3 Tube Steel (TS) member is cantilevered 9'-1 1/2" horizontally with the 3" dimension vertical and the tray running longitudinally with the support rather than transverse as is the normal case. The combination of the long cantilever of the TS with the major loads being resisted by the weak axis created a situation where undersize weld caused the support to not meet AISC stress criteria for welds. The Corrective Action Plan for PER BLPER930009 requires that this support and the identical support in Unit 2 be incorporated into the existing review and/or requalification program for cable tray supports under work package P-580. This will ensure that the deficient support is modified to meet AISC stress allowables.

During the evaluation of the reinspection data by Welding Project Engineers, it was discovered that two reinspected cable tray supports in the Control Building spreading room were not welded in accordance with the design drawing requirement. Both of these supports had weld segments detailed on the design drawings that were not installed thus causing the supports to fail to meet AISC stress criteria. This condition is documented on PER No. BLPER930006. The connection details for these two supports are unique and are shown on drawing 4CW0943-X2-10. Section C10-C10 of this drawing shows a 3/16" fillet weld on both sides of each of the four connection plates. The installed configuration has a 1/4" fillet weld on one side of two of the four plates. Both of these supports will be evaluated and reworked, if necessary, under the corrective action plan for PER BLPER930006. The corrective action for this PER also requires that all of the cable tray supports utilizing this unique connection detail be evaluated for the actual design load and modified or repaired as necessary.

Based on the evaluation of the reinspection data for cable tray supports, once the corrective action for PERS BLPER930006 and BLPER930009 is completed, the installed cable tray support welds will meet the stress criteria of AISC.

c. Conduit Supports - The welds for 11 conduit supports were reinspected with the following results:

2682.26	inches of weld reinspected
2589.56	inches accepted by reinspection (96.54%)
1.88	inches accepted by characterization (0.07%)
90.82	inches accepted by evaluation (3.39%)
0.00	inches requiring repair (0.00%)

Since all of the welds for conduit supports were found to be acceptable, it can be concluded that conduit support welds as a class are aceeptable and that the TVA program for installation and inspection of conduit support welds produced welds meeting the stress criteria of the AISC.

d. Electrical equipment supports - The welds for the support of 11 electrical equipment items were reinspected with the following results:

3571.88	inches of weld reinspected
2674.05	inches accepted by reinspection (74.86%)
897.83	inches accepted by evaluation (25.14%)
0.00	inches requiring repair (0.00%)

Since all of the welds for electrical equipment support were found to be acceptable, it can be concluded that electrical equipment support welds as a

class are acceptable and that the TVA program for installation and inspection of electrical equipment support welds produced welds meeting the stress criteria of the AISC.

3. Mechanical

   a. HVAC Supports - The welds for 11 HVAC duct supports were reinspected with the following results.

1770.38	inches of weld reinspected
1508.22	inches accepted by reinspection (85.19%)
262.16	inches accepted by evaluation (14.81%)
0.00	inches requiring repair (0.00%)

      Since all of the welds for HVAC supports were found to be acceptable, it can be concluded that HVAC support welds as a class are acceptable and that the TVA program for installation and inspection of HVAC supports produced HVAC support welds meeting the stress criteria of AISC.

   b. Mechanical Equipment Supports - The welds for 8 mechanical equipment supports were reinspected with the following results:

2104.50	inches of weld reinspected
1691.50	inches accepted by reinspection (80.38%)
24.00	inches aceepted by reconciliation (1.14%)
389.00	inches accepted by evaluation (18.48%)
0.00	inches requiring repair (0.00%)

      Since all of the welds for mechanical equipment supports were found to be acceptable, it can be concluded that mechanical equipment support welds as a class are acceptable and that the TVA program for installation and inspection of mechanical equipment support welds produced welds meeting the stress criteria of AISC.

4. Structural

   a. Access Platforms - The welds for portions of 9 access platforms were reinspected with the following results:

1551.77	inches of weld reinspected
1489.16	inches accepted by reinspection (95.97%)
3.00	inches accepted by reconciliation (0.19%)
59.61	inches accepted by evaluation (3.84%)

0.00 inches requiring repair (0.00%)

Since all of the welds for access platforms were found to be acceptable, it can be concluded that access platform welds as a class are acceptable and that the TVA program for installation and inspection of access platforms produced welds meeting the stress criteria of AISC.

b. Floor framing connections - The welds for 20 Rcactor Building floor framing beam connections were reinspected with the following results:

1713.94 inches of weld reinspected

1107.38 inches accepted by reinspection (64.61%)

210.06 inches accepted by evaluation (12.26%)

396.50 inches requiring repair (23.13%)

Three of the 20 connections failed to meet AISC stress allowables with an additional five being recommended for repair. PER No. BLPER930089 was written to document the unacceptable connections. The corrective action plan for PER BLPER930089 requires that all Reactor Building welded floor framing connections be inspected and repaired to the requirements of the design drawings.

In addition to the deficient welds, one beam was found to have been fabricated by the vendor with undersize connection plates. Part of the corrective action plan for PER BLPER930089 requires that the installed connection plates for all Reactor Building floor framing welded connections be verified as matching the design drawing requirements. The completion of the corrective action for PER BLPER930089 will result in the Reactor Building floor framing welded connections meeting the stress criteria of AISC.

c. Spray shield and jet impingement barriers - The welds for portions of a HVAC spray shield and 4 jet impingement barriers were reinspected with the following results:

1710.79 inches of weld reinspected

1702.79 inches accepted by reinspection (*99.53%)

8.00 inches accepted by evaluation (*0.47%)

0.00 inches requiring repair (*0.00%)

98.50 inches of missing weld (*5.76%)

*Percentage total is greater than 100% because missing weld is not included in inches of weld reinspected.

Although the reinspection did not reveal any deficiencies within this class, review of the data by Weld Project engineering personnel revealed that one of the jet impingement barriers was not constructed in accordance with the design drawing. The barrier as installed has 98.5 inches of weld missing causing the structure to not meet AISC stress criteria. This condition is documented on PER No. BLPER930091. The corrective action plan for PER BLPER930091 requires that the missing weld be added to the structure.

Completion of the corrective action for PER BLPER930091 will assure that the structure meets the stress criteria of AISC.

d. Pipe whip restraints - The welds for portions of 9 pipe whip restraints were reinspected with the following results:

2906.77	inches of weld reinspected
2836.89	inches accepted by reinspection (97.6%)
18.75	inches accepted by reconciliation (0.65%)
51.13	inches accepted by evaluation (1.76%)
0.00	inches requirmg repair (0.00%)

Since all the welds for pipe whip restraints were found to be acceptable, it can be concluded that pipe whip restraint welds as a class are acceptable and the TVA program for installation and inspection of pipe whip restraint welds produced welds mceting the stress criteria of the AISC.

e. Reactor Building Liner Plate - A 12 inch segment of weld was reinspected for 51 separate liner plate welds with the following results:

612.00	inches of weld reinspected
563.75	inches accepted by reinspection (92.12%)
48.25	inches accepted by evaluation (7.88%)
0.00	inches requiring repair (0.00%)

Since all of the Reactor Building liner plate welds were found to be acceptable, it can be concluded that Reactor Building liner plate welds as a class are acceptable and that the TVA program for installation and inspection of Reactor Building liner plate produced welds meeting the intent of the proposed ASME Section III Division 2 Code.

f. Refueling canal and spent fuel pool liner - A segment of weld varying in length was reinspected from 8 separate refueling canal liner plate welds and for 3 separate spent fuel pool liner welds with the following results:

179.00	inches of weld reinspected
146.00	inches accepted by reinspection (81.56%)

33.00 inches accepted by evaluation (18.44%)

0.00 inches requiring repair (0.00%)

Since all of the refueling canal and spent fuel pool liner welds were found to be acceptable, it can be concluded that refueling canal and spent fuel pool liner plate welds as a class are acceptable and that the TVA program for installation and inspection of stainless liner plate welds produced welds meeting design requirements.

5. Welded Studs - Studs for 19 separate installations were torque tested with the following results:

36 studs torque tested
35 acceptable (97.22%)
1 failure (2.78%)

In investigating the one failure, it was discovered that an inappropriate material substitution had been made in that ASTM Specification A193, Grade B7 and B7M, material was substituted for ASTM A36 threaded rod or for Nelson standard welding studs. This condition was documented on PER No. BLP870349. The corrective action plan for PER BLP870349 requires the following actions:

(1) Identify all HVAC equipment which is attached by welded studs to determine if A193 Gr B7M material was used.
(2) Perform a torque test of all the welded studs identified as B7M and report the results to design engineering.
(3) Examine a minimum of 64 welded studs in other areas to determine if A193 G4 B7M was used.
(4) Perform weld tests of the B7M material at the direction of design engineering.
(5) Report the results of the above items to design engineering for evaluation.

In addition to the use of inappropriate material, it was also discovered during the reinspection that Unit 1 component cooling pumps were not installed in accordance with the latest revision of the applicable design drawings. This condition was documented on PER No. BLP880153. The corrective action plan for PER BLP880153 requires that the condition be analyzed and modifications made if required to meet structural requirements.

Completion of the corrective action for PERS BLP870349 and BLP880153 will assure that all manually welded threaded stud welds are adequate and meet design requirements.

Paint was removed from all structural welds prior to the reinspection of the weld surface. In those eases where access to properly remove the weld coating was

not possible, a notation was made in the data file and the presence of weld noted but not inspected.

The magnetic check of filler metal for structural welds indicates that appropriate filler metal was used for both carbon and stainless welds.

A weld attribute evaluation was performed. The results are shown below:

STRUCTURAL WELDS - ATTRIBUTE SUMMARY
BASED ON REINSPECTION RESULTS

Attribute	Inches of Weld Reinspected	Weld Attribute Inches Acceptable	Weld Attribute Inches Rejectable	Percent (%) Acceptable	Percent (%) Rejectable
Size	29997	27961	2306	92.31	7.69
Linear Indication	29997	29983	I4	99.95	0.05
Incomplete Fusion	29997	29964	33	99.89	0.11
Overlap	29997	29992	5	99.98	0.02
Porosity	29997	29993	4	99.99	0.01
Undercut	29997	29733	264	99.12	0.88
Correct Filler Metal	29997	29997	0	100.00	0.00

Weld size is the only attribute that had a significant effect on the structure's ability to meet design stress requirements for welds. This attribute had a 92.3% acceptance rate. The 2306 inches rejected for weld size had 277 inches rejected for oversize welds. An additional 1451 inches of the rejected weld was undersize 1/16 inch or less. If the oversize weld is excluded the rejectable percentage becomes 6.76%. The weld that is undersize by 1/16 inch or less represents 63% of the rejected weld. The only other attribute with an appreciable reject rate was undercut with a reject rate of 0.88%. The attributes of linear indication, incomplete fusion, overlap, and porosity all had very high acceptance rates (99+%).

Missing weld was not listed as an attribute on the reinspection data sheets, however it was tabulated by Welding Project personnel. The appropriate terminology for this condition would be incomplete weld rather than missing weld. Missing weld is defined as no weld for the entire weld joint. While incomplete weld is defined as a weld joint having part of a segment or a segment of weld that was not completed. All of the welds tabulated as missing weld could be properly classed as incomplete weld. The welding project tabulation shows that 223.13 inches of weld was not completed for the structures included in the reinspection. Three structures, two cable tray supports and a jet spray shield, accounted for 199.76 inches or 89.5% of the incomplete weld.

3.8.2 Mechanical Welds

A total of 517 piping welds were selected for reinspection. Four of the selected welds were inaccessible for visual reinspection. The remaining 513 welds were reinspected visually and for generic filler metal type. In addition to the Visual (VT) examination, 157 piping welds received Liquid Penetrant (PT) and 28 welds received Magnetic Particle (MT) examinations. The radiographic film was reread by a Level III radiographer for the 187 welds requiring RT.

A total of 89 HVAC duct welds were selected for reinspection. These welds were reinspected visually and for generic filler metal type.

The analysis of the mechanical reinspection results show that of the 513 piping welds reinspected visually, 441 (86.0%) had no reportable indications and were accepted as reinspected.

The remaining 72 piping welds had indications which were evaluated by the Welding Project. The reinspection data summarized from the reinspection reports for the selected piping welds is tabulated in Table 3.4. The frequency of occurrence of weld indications is presented in Figure 1. All welds were evaluated by reconciliation, characterization, or engineering evaluation techniques. (A detailed account of the piping weld evaluations is given in Appendix 3.3.) Sixty nine of the welds were subsequently accepted. The accepted welds carry the required loads within the design allowable stress and consequently meet code requirements. The three rejected welds (2KE02409B, 1NI00124 & 1SM00074C) require repair. Corrective action to repair the welds is covered by Problem Evaluation Reports (PERs) BLPER930050 and BLPER930090.

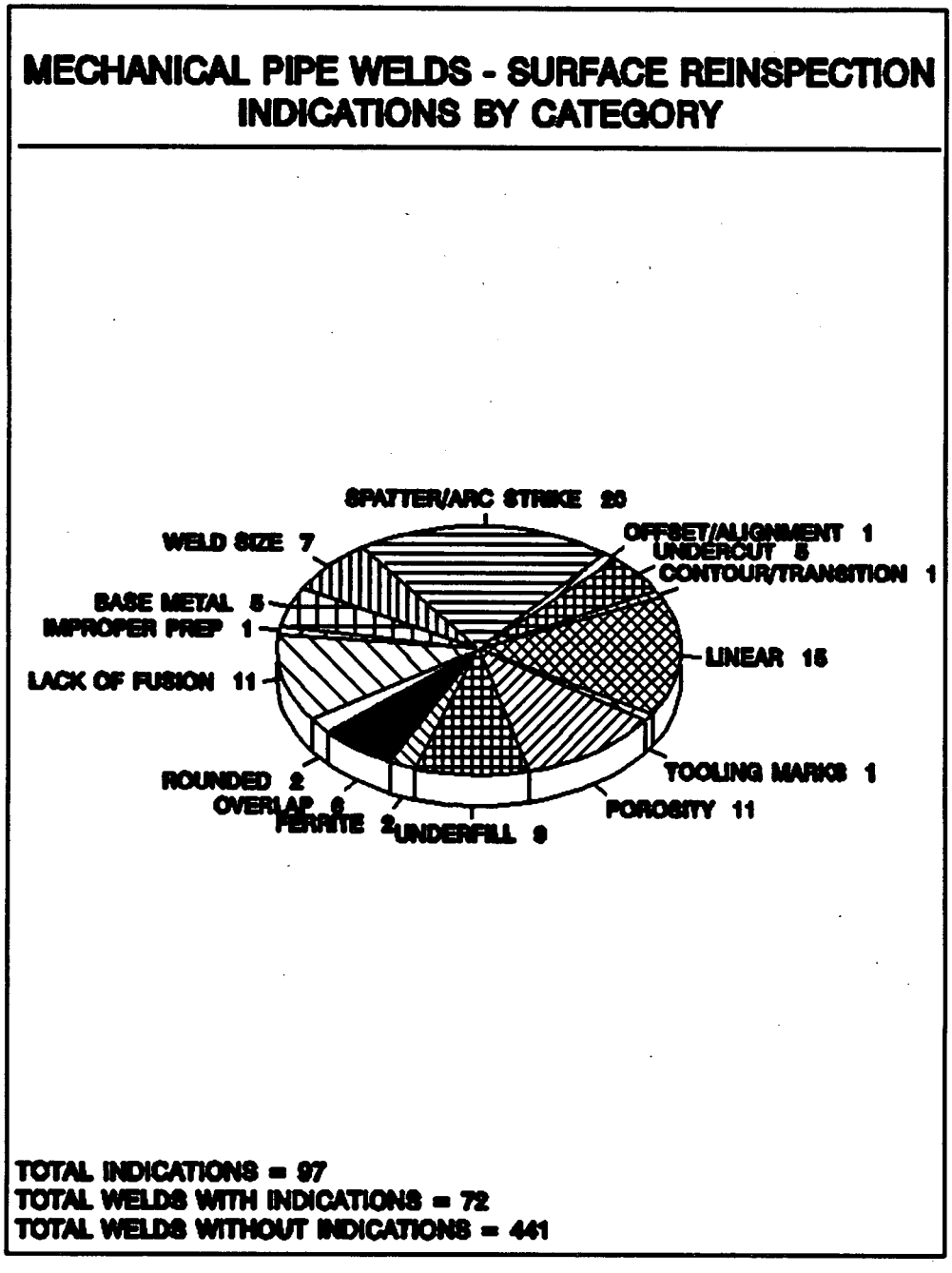


Figure 1 - Weld Attributes Indications by Category

Results of the analysis are grouped into categories defining the acceptance status of each weld. The frequency of occurrence of the eight acceptance categories is presented graphically in Figure 2.

The Level III radiographer reread of the radiographs for 187 pipe welds resulted in the acceptance of 130 welds. The remaining 57 welds were identified with either radiographic technique or weld quality discrepancies. The reinspection data summarized from the reinspection reports of selected piping that were radiographically examined is tabulated in Table 3.4. The evaluation and resolution of the radiographic discrepancies of these welds will be accomplished by the program for the Level III review of radiographs of pipe welds at Bellefonte as described in Welding Project Procedure WP-11" Level III Review of ANSI B31.1 and ASME Section III Radiographic Film" (Attachment C). The results of this program to date show a weld quality reject rate of 0.21% based on inches of weld. This percentage is based of the review of 6398 welds for Unit 1 and common out of a total population of 6398 welds.

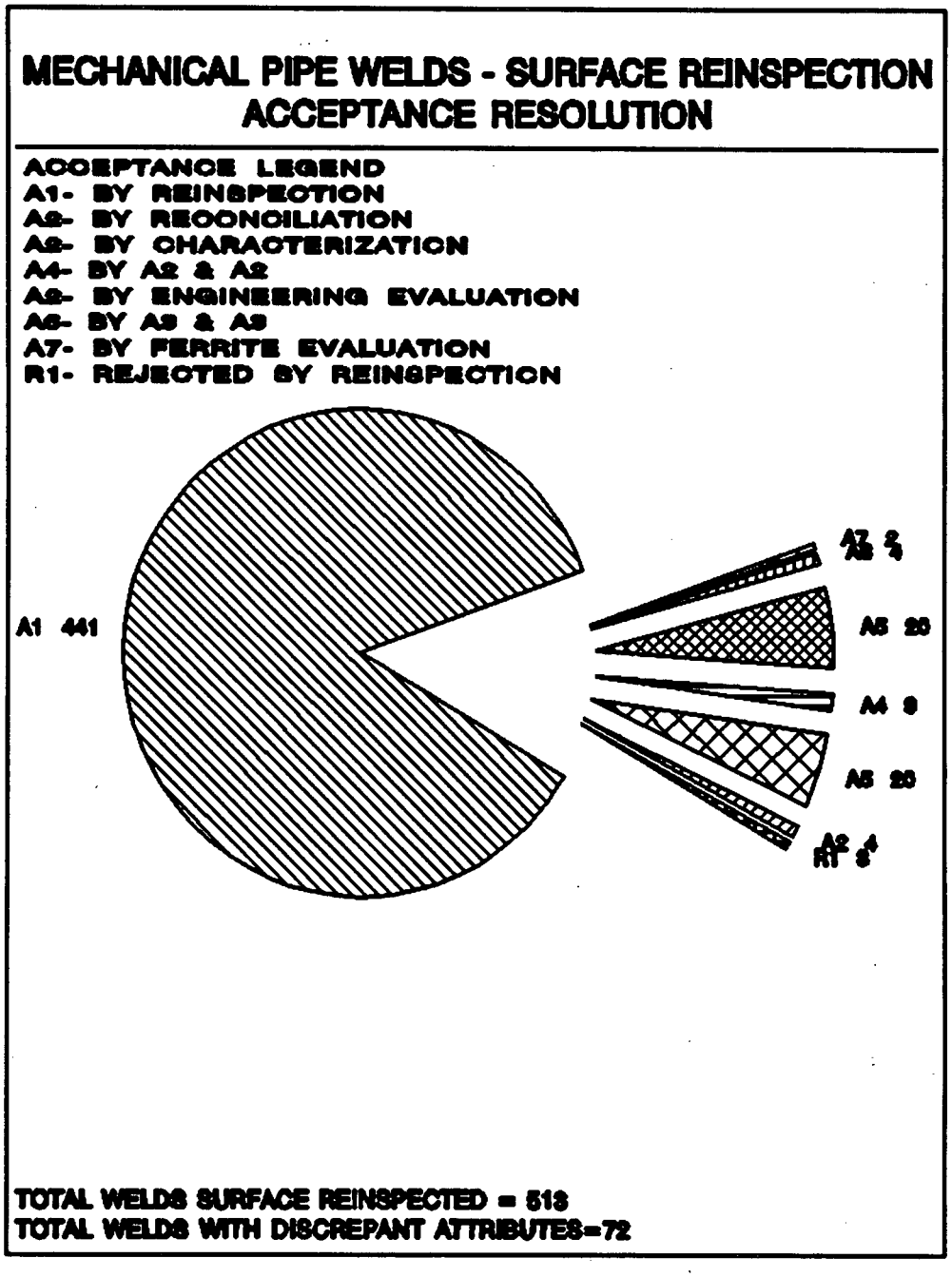


Figure 2 - Weld Acceptance Category

The weld attribute summary for the surface reinspection of the mechanical piping welds is shown as follows:

WELD ATTRIBUTE SUMMARY
PIPING WELDS

Attribute	No. Welds Reinspected	No. of Attributes		% Attributes	
		Acceptable	Discrepant	Acceptable	Discrepant
Cracks	513	513	0	100.0	0.0
Contour/Transition	513	512	1	99.8	0.2
Offset/Alignment	513	512	1	99.8	0.2
Undercut	513	508	5	99.0	1.0
Reinforcement (Butt joints)	333	333	0	100.0	0.0
Spatter/Arc Strikes	513	493	20	96.1	3.9
Weld Size (Fillet/Socket)	130	123	7	94.6	5.4
Concavity/Convexity	130	130	0	100	0.0
Lack of Fusion	513	502	11	97.9	2.1
Overlap	513	507	6	98.8	1.2
Underfill	513	504	9	98.2	1.8
Surface Porosity	513	502	11	97.8	2.2
Slag	513	513	0	100.0	0.0
Rounded Indications	513	511	2	99.6	0.4
Linear Indications	513	498	15	97.0	3.0
TOTAL ATTRIBUTES		6661	88*	98.7	1.3

*All discrepant attributes, with the exception of an undercut, an undersize, and a surface porosity indication, are accepted after evaluation to the requirements of Welding Project Procedure WP-10.

Additional attributes reported by the surface reinspection that are not directly related to weld quality are shown as follows:

Indication	Welds Reinspected	Attributes Acceptable	*Discrepant
Weld Location	513	513	0
Base Metal Indications	513	506	5
Overheating	513	513	0
Improper Prep for PT or MT	185	184	1
Base Metal/Weld Metal (Ferrite)	513	511	2
Tooling Marks	513	512	1

* All discrepant attributes were shown to be acceptable by evaluation of the condition.

The analysis of the reinspection results shows that of the 89 HVAC duct welds reinspected, 65 (74.7%) had no reportable indications and were accepted as reinspected.

The remaining 24 duct welds with discrepant indications were evaluated by characterization or engineering evaluation techniques. All welds were subsequently accepted.

The reinspection data summarized from the reinspection reports on the duct welds is tabulated in Table 3.5.

In summary, with the exception of the three piping welds rejected by the reinspection, the remaining 510 piping welds and the 89 duct welds are aceeptable and meet code.

3.9 Root Cause Evaluation and Corrective Action

A root cause evaluation has been performed for each of the deficiencies requiring corrective action. The structural deficiencies identified during the reinspection that require corrective action are:

1 - Reactor Building floor framing welded connections
2 - Control Building cable tray supports
3 - Reactor Building cable tray support
4 - Unit 1 Reactor Building spray shield
5 - Welded studs
6 - Weld Size

The root cause for the deficient Reactor Building floor framing welded connections has been determined to be inadequate training of craftsmen and inspectors. The corrective action to

correct the deficiencies is covered by PER BLPER930089 which requires that all Reactor Building floor framing welded connections be inspected and reworked to the requirements of the design drawings. The problem with inadequate training was resolved with the retraining of welding craftsmen, inspectors, and supervisors in 1980 - 1981.

The root cause for the deficient Control Building cable tray support welds has been determined to be failure of the design organization to identify welding requirements in an unambiguous manner on design output documents and the failure of the constructing organization to properly interpret the design drawings. The corrective action to correct the deficiency is covered by PER BLPER930006 which also requires that all of the cable tray supports utilizing the unique connection detail be evaluated for the actual design load and modified or repaired as necessary.

The root cause for the deficient Reactor Building cable tray support weld has been determined to be inadequate training of craftsmen and inspectors. The corrective action to correct the deficient weld is covered by PER BLPER930009 which requires that this support and the identical Unit 2 support be incorporated into the existing review and/or requalification program for cable tray supports under Work Package P-580.

The root cause for the deficient Reactor Building spray shield welds has been determined to be failure of the design organization to present welding requirements in an unambiguous manner and the failure of the constructing organization to properly interpret the design drawings. The corrective action to correct the deficiency is covered by PER BLPER930091.

The root cause for the deficient stud welds is that an inappropriate use of material occurred in that B-7 material was used in a welded application. The corrective action to correct the deficient weld is covered by PER BLP870349 which requires the following actions:

(1) Identify all HVAC equipment which is attached by welded studs to determine if A193 Gr B7M material was used.
(2) Perform a torque test of all the welded studs identified as B7M and report the results to design engineering.
(3) Examine a minimum of 64 welded studs in other areas to determine if A193 G4 B7M was used.
(4) Perform weld tests of the B7M material at the direction of design engineering.
(5) Report the results of the above items to design engineering for evaluation.

Weld size was reported as being rejectable for 7.69% of the reinspected weld. Considering the circumstances surrounding the reinspection (oversight by a consultant, NRC to reinspect, high visibility within TVA, etc.) it is to be expected that the inspectors would be extremely conservative in measuring, rounding off, and reporting weld size. An analysis of the data supports this thesis in that 71.5% of the weld reported as undersize is undersize by 1/16" or less indicating that the inspectors were very meticulous in measuring and reporting weld size. Because the reinspection was more meticulous than the original inspection (which was performed to industry standards in effect at the time and was representative of the level of detail used throughout the industry) it is reasonable to expect a deviation of 10-15% in the results. Since the reinspection data meets this criteria corrective action is not required.

The mechanical welds with deficiencies identified during the reinspection that require corrective action are:

1 - 2KE02409B - Undersize fillet weld on slip-on flange
2 - 1NI00124 - Surface porosity
3 - 1SM00074C - Grinding undercut resulting from the WP characterization process.

The root cause for the deficiency in weld 2KE02409B (undersize fillet weld on slip-on flange) has been determined to be inadequate training of craftsmen and inspectors. The corrective action to correct the deficient weld is covered by PER BLPER930090 which requires that this weld be reworked to meet the requirements of the design. In addition the welds for the other seven slip-on flanges in the system are to be inspected and reworked if necessary to meet the design requirements. The problem with inadequate training was resolved with the retraining of welding craftsmen, inspectors, and supervisors in 1980 - 1981.

The root cause for the deficiency in weld 1NI00124 (surface porosity) has been determined to be inadequate technique by the welder. The corrective action to correct the deficiency is covered by PER BLPER930050 which requires that this weld be reworked. Expansion of the sample is not required as this deficiency has been determined to be an isolated case for the welder.

The root cause for the deficiency in weld 1SM00074C (grinding under cut resulting from the Welding Project characterization process) has been determined to be inadequate control of the weld metal removal process. The corrective action to correct the deficiency is covered by PER BLPER930050 which requires that this weld be reworked. Since this deficiency was caused by the Welding Project characterization, sample expansion is not required.

TABLE 3.1

This table is a compilation of the reinspection data by structure type showing the total number of each type structure included in the reinspection effort. The table also shows the inches of weld reinspected for each type structure and the basis of acceptability of the weld.

REINSPECTION SUMMARY FOR STRUCTURAL WELDING
BELLEFONTE NUCLEAR PLANT

ITEMS REINSPECTED	NUMBER OF ITEMS	INCHES OF WELD REINSPECTED	INCHES OF WELD ACCEPTABLE BY REINSPECTION	INCHES OF WELD WITH REPORTABLE INDICATIONS ACCEPTABLE BY ENGINEERING EVAL	TOTAL INCHES OF ACCEPTABLE WELD	INCHES OF WELD MISSING	INCHES OF WELD REQUIRING REWORK
PIPE SUPPORTS							
NF1	20	1031.91	1007.62	23.29	1031.91	0.00	0.00
NF2	21	1734.63	1712.25	22.38	1734.63	0.00	0.00
NF3	35	3192.40	3124.01	68.39	3192.40	0.00	0.00
AISC	32	2951.71	2827.46	124.25	2951.71	0.00	0.00
INSTRUMENTATION SUPPORTS	11	406.50	379.50	27.00	406.50	0.00	0.00
CABLE TRAY SUPPORTS	15	1876.55	1607.37	232.18	1839.55	100.76	37.00
CONDUIT SUPPORTS	11	2682.26	2591.44	90.82	2682.26	0.00	0.00
ELECTRICAL EQUIPMENT SUPPORTS	11	3571.88	2674.05	897.83	3571.88	0.00	0.00
HVAC SUPPORTS	11	1770.38	1508.22	262.16	1770.38	0.00	0.00
EQUIPMENT SUPPORTS	8	2104.50	1715.50	389.00	2104.50	0.00	0.00
ACCESS PLATFORMS	9	1551.77	1491.16	59.61	1551.77	0.00	0.00
FLOOR FRAMING CONNECTIONS	20	1713.94	1107.38	210.06	1317.44	0.00	396.50
SPRAY SHIELD AND JET BARRIER	5	1710.79	1702.79	8.00	1710.79	98.50	0.00
PIPE WHIP RESTRAINTS	9	2906.77	2855.64	51.13	2906.77	0.00	0.00
LINER PLATE							
CONTAINMENT	51	612.00	563.75	48.25	612.00	0.00	0.00
REFULING CANAL AND	8						
SPENT FUEL POOL	3	179.00	146.00	33.00	179.00	0.00	0.00
WELDED STUDS	36	36 INSP	35 ACC				1 FAILED
TOTALS	316	29996.99	27014.14	2547.35	29563.49	199.26	433.5

TABLE 3.1

TABLE 3.2

This table is a listing of the reinspection data for structural welding showing weld number, size, type, drawing number, welder, inspectors, type of inspections, inspection/reinspection dates. The table also shows the unit, type of structure, inspection package number, and the basis of acceptance of the weld.

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-01	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NDMPHG0047 R901	FCKI	DS	021082	PT	DS	021082			R/P	091987	PT	R/P	091987			20.75			0.25					X							
BLN-01	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NDMPHG0047 R901	FCKI	DS	021082	PT	DS	021082			R/P	091987	PT	R/P	091987			3.00															
BLN-01	1	PSNF	C	IIINF1	0.313	0.313	FILLET	FILLET	1NDMPHG0047 R901	FBXK	JC	061981	PT	JC	061981			R/P	091987	PT	R/P	091987			10.47	0.03							X							
BLN-02	1	PSNF	AR1	IIINF1	0.188	0.188	FILLET	FILLET	1NDMPHG0049 R901	FATH	MS	120381	PT	MS	120381			AR	092287	PT	AR	092287			21.00															
BLN-02	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NDMPHG0049 R901	FATH	MS	113081	PT	MS	113081			AR	092287	PT	AR	092287			13.31		0.19						X							
BLN-02	1	PSNF	CR2	IIINF1	0.188	0.188	FILLET	FILLET	1NDMPHG0049 R901	FATH	MS	120881	PT	MS	120881			AR	092287	PT	AR	092287			20.87		0.13						X							
BLN-03	1	PSNF	A	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0325 R3	FAEO	DS	032482	PT	DS	032482			R/P	092187	PT	R/P	082187			19.91		0.09						X							
BLN-03	1	PSNF	B	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0325 R3	FAEO	SF	030882	PT	SF	030882			R/P	092187	PT	R/P	092187			19.71		0.13			0.10			X							
BLN-03	1	PSNF	C	IIINF1	0.250	0.250	FILLET	FILLET	1NVMPHG0325 R3	FAEO	DS	032482	PT	DS	032482			R/P	092187	PT	R/P	092187								6.00						X				
BLN-03	1	PSNF	D	IIINF1	0.250	0.250	FILLET	FILLET	1NVMPHG0325 R3	FAEO	DS	032482	PT	DS	032482			R/P	092187	PT	R/P	082187								8.00						X				
BLN-03	1	PSNF	E	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FBMW	JC	082481	PT	JC	032481	JH	090681	R/P	092187	PT	R/P	082187	KP	070692						5.09										
BLN-03	1	PSNF	F	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FBMW	JC	082481	PT	JC	082481	JH	090681	R/P	092187	PT	R/P	092187	KP	070692						5.00										
BLN-03	1	PSNF	G	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	092187			1.50															
BLN-03	1	PSNF	H	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	092187			1.50															
BLN-03	1	PSNF	I	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	092187			1.50															
BLN-03	1	PSNF	J	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	092187			1.50															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
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EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
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DS=DUCT SPT
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F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
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N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DEB	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-03	1	PSNF	K	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	062187			1.50															
BLN-03	1	PSNF	L	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	062187	PT	R/P	062187			1.50															
BLN-03	1	PSNF	M	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	062187			1.50															
BLN-03	1	PSNF	N	IIICL1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0325 R3	FCDY	DS	110982	PT	DS	110982			R/P	092187	PT	R/P	062187			1.50															
BLN-04	1	PSNF	A	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0341 2R3	FAPL	SM	033183	PT	SM	033183			R/P	091287	PT	R/P	091287			11.91	0.09							X							
BLN-04	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0341 2R3	FAPL	SM	033183	PT	SM	033183			R/P	091287	PT	R/P	091287			11.00	1.00							X							
BLN-04	1	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0341 2R3	FAPL	SM	33183	PT	SM	033183			R/P	091287	PT	R/P	091287			3.75	0.25							X							
BLN-04	1	PSNF	D	IIINF1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0341 2R3	FCJV	RG	072683	PT	RG	072683	LH	072883	R/P	091287	PT	R/P	091287	KP	070692	3.00														
BLN-06	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0469 2R3	FCBX	RN	061481	PT	ZR	061481			AR	091067	PT	AR	091067			6.00															
BLN-06	1	PSNF	B	IIINF1	0.188	0.188	F/FBEV	F/FBEV	1NVMPHG0469 2R3	FCRA	PW	050785	PT	PW	050785			AR	091067	PT	AR	091067			16.00															
BLN-06	1	PSNF	C	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0469 2R3	FCBX	RN	061481	PT	ZR	061481			AR	091067	PT	AR	091067			15.94	0.06							X							
BLN-06	1	PSNF	D	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0469 2R3	FBEQ	JB	012887	PT	JB	012887			AR	091067	PT	AR	091067			15.94	0.06							X							
BLN-06	1	PSNF	E	IIINF1	0.250	0.250	F/FBEV	F/FBEV	1NVMPHG0469 2R3	FBEQ	JB	012887	PT	JB	012887			AR	091067	PT	AR	091067			15.94	0.06							X							
BLN-06	1	PSNF	F	IIINF1	0.250	0.250	F/FBEV	F/FBEV	1NVMPHG0469 2R3	FBEQ	JB	012887	PT	JB	012887			AR	091067	PT	AR	091067			16.00															
BLN-06	1	PSNF	G	IIINF1	0.108	0.188	FILLET	FILLET	1NVMPHG0469 2R3	FCRA	RC	050985	PT	RC	050985			AR	091067	PT	AR	091987			16.00															
BLN-06	1	PSNF	H	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0469 2R3	FBEQ	DS	012087	MT	DS	012087			AR	091067	MT	AR	091067			16.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-06	1	PSNF	I	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0469 2R3	FCRA	PW	050885	PT	PW	050885			AR	091067	PT	AR	091067			16.00															
BLN-07	1	PSNF	A NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FAPL	SM	111682	PT	SM	111682			AR	032188	PT	AR	032188			8.00															
BLN-07	1	PSNF	B NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FAPL	SM	111682	PT	SM	111682			AR	032188	PT	AR	032188			8.08															
BLN-07	1	PSNF	C NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FCRJ	MM	051485	PT	MM	051485			AR	082188	PT	AR	032108			8.08															
BLN-07	1	PSNF	D NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FCRJ	MM	051485	PT	MM	051485			AR	032188	PT	AR	032108			7.78			0.22					X							
BLN-07	1	PSNF	E NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FCRJ	MM	051585	PT	MM	051585			AR	032108	PT	AR	032188			8.00															
BLN-07	1	PSNF	F NSFS	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R001	FCRJ	MM	051585	PT	MM	051585			AR	032188	PT	AR	032188			8.00															
BLN-07	1	PSNF	GR1	IIINF1	N/A	N/A	GROOVE	FBEV	1NVMPHG0470 1R901	FAPL	DS	112282	PT	DS	112282			AR	032188	PT	AR	032188			24.00															
BLN-07	1	PSNF	H	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0470 1R901	FCRJ	MM	051085	PT	MM	051085			AR	032188						4.00							INACESSIBLE FOR PT								
BLN-07	1	PSNF	I	IIINF1	0.313	0.313	FILLET	FILLET	1NVMPHG0470 1R901	FCRJ	MM	051085	PT	MM	051085			AR	032108						4.00							INACESSIBLE FOR PT								
BLN-07	1	PSNF	J	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0470 1R901	FAOQ	RW	102984	PT	RW	102984			AR	032188	PT	AR	032188			16.00															
BLN-07	1	PSNF	K	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0470 1R901	FAQQ	AC	103194	PT	AC	103104			AR	032188	PT	AR	033188			16.00															
BLN-07	1	PSNF	L	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0470 1R981	FCRJ	AJ	051085	PT	AC	051085			AR	032108	PT	AR	032108			4.00															
BLN-06	1	PSNF	A	IIINF1	0.250	0.250	F/GRV	F/GRV	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			10.94	0.00				1.08			X		X					
BLN-06	1	PSNF	B	IIINF1	0.188	0.188	F/GRV	F/FBEV	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			12.08															
BLN-06	1	PSNF	C	IIINF1	0.188	0.188	F/GRV	F/FBEV	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			12.90															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-06	1	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			12.00															
BLN-06	1	PSNF	E	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			12.90															
BLN-06	1	PSNF	F	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0471 R5	FCDY	GC	080582	PT	GC	080582			R/P	091787	PT	R/P	091787			12.00															
BLN-06	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0475 R4	FBAI	MS	121061	PT	MS	121061			R/P	062187	PT	R/P	062187			21.00															
BLN-06	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0475 R4	FBAI	MS	121481	PT	MS	121481			R/P	092187	PT	R/P	092187			5.50															
BLN-06	1	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0475 R4	FBAI	MS	121481	PT	MS	121481			R/P	092187	PT	R/P	092187			5.50															
BLN-06	1	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0475 R4	FBAI	DS	121881	PT	DS	121881			R/P	062187	PT	R/P	092187			5.50															
BLN-06	1	PSNF	E	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0475 R4	FBAI	DS	121881	PT	DS	121881			R/P	062187	PT	R/P	092187			5.37					0.13			X							
BLN-10	1	PSNF	A	IIINF1	0.250	0.250	FILLET	FILLET	1NVMPHG0479 R5	FCDY	SM	111682	PT	SM	111682			R/P	091587	PT	R/P	091587			16.00															
BLN-10	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0479 R5	FCDY	SM	111682	PT	SM	111682			R/P	091587	PT	R/P	091587			10.90															
BLN-10	1	PSNF	CS1	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0479 R5	FCDY	SM	111782	PT	SM	111782			R/P	091587	PT	R/P	091587			4.94	0.06							X							
BLN-10	1	PSNF	D	IIINF1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0479 R5	FBMP	WS	091082	PT	WS	091082	LH	091682	R/P	091587	PT	R/P	091587	KP	070792	4.13														
BLN-11	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0511 R3	FCKB	AN	010682	PT	AN	010682			AR	031788	PT	AR	031788			21.00															
BLN-11	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0511 R3	FCKB	AH	010682	PT	AN	010682			AR	031788	PT	AR	031788			4.06															
BLN-12	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0530 1R7	FAPL	SM	040883	PT	SM	040883			R/P	091687	PT	R/P	091687			12.00															
BLN-12	1	PSNF	B	IIINF1	0.188	0.188	F/FBEV	F/FBEV	1NVMPHO0530 1R7	FAPL	SM	040883	PT	SM	040883			R/P	091087	PT	R/P	091687			12.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-12	1	PSNF	C	IIINF1	0.188	0.188	F/FBEV	F/FBEV	1NVMPHG0530 1R7	FAPL	SM	040683	PT	SM	040683			R/P	091687	PT	R/P	091687			12.00															
BLN-12	1	PSNF	DS1	IIINF1	N/A	N/A	FBEV	FBEV	1NVMPHG0530 1R7	FCJA	SM	061683	PT	SM	061683			R/P	091687	PT	R/P	091687			4.00															
BLN-12	1	PSNF	E	IIINF1	N/A	N/A	FBEV	FBEV	1NVMPHG0530 1R7	FAPL	SM	040683	PT	SM	040683			R/P	091687	PT	R/P	091687			4.00															
BLN-12	1	PSNF	FS1	IIINF1	N/A	N/A	FBEV	FBEV	1NVMPHG0530 1R7	FCJA	SM	001683	PT	SM	061683			R/P	091687	PT	R/P	091687			4.00															
BLN-12	1	PSNF	G	IIINF1	N/A	N/A	FBEV	FBEV	1NVMPHG0530 1R7	FAPL	SM	040683	PT	SM	040683			R/P	091687	PT	R/P	091687			4.06															
BLN-12	1	PSNF	H	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0530 1R7	FAPL	SM	040583	PT	SM	040583			R/P	091687	PT	R/P	091687			12.08															
BLN-12	1	PSNF	I	IIINF1	0.108	0.188	FILLET	FILLET	1NVMPHG0530 1R7	FAPL	SM	040583	PT	SM	040683			R/P	091687	PT	R/P	091687			12.00															
BLN-12	1	PSNF	J	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0530 1R7	FAPL	SM	040583	PT	SM	040683			R/P	091687	PT	R/P	091687			11.00		1.90							X							
BLN-13	1	PSNF	A	IIINF1	0.188	0.108	FILLET	FILLET	1NVMPHG0534 1R901	FCHZ	MS	120181	PT	MS	120181			R/P	091587	PT	AR	091587			5.00															
BLN-13	1	PSNF	B	IIINF1	0.108	0.108	FILLET	FILLET	1NVMPHG0534 1R901	FCHZ	MS	120181	PT	MS	120181			R/P	091587	PT	AR	091587			5.00															
BLN-13	1	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0534 1R901	FCHZ	MS	120181	PT	MS	120181			R/P	091587	PT	AR	091587			5.00															
BLN-13	1	PSNF	D	IIINF1	0.188	0.108	FILLET	FILLET	1NVMPHG0534 1R901	FCHZ	MS	120181	PT	MS	120181			R/P	091587	PT	AR	091587			5.00															
BLN-14	1	PSNF	A	IIINF1	0.250	0.250	F/GRV	F/GRV	1NVMPHG0546 2R5	FCDY	DS	012683	PT	DS	012683			R/P	091687	PT	R/P	091687			11.87	0.13								X							
BLN-14	1	PSNF	B	IIINF1	0.188	0.188	F/FBEV	F/FBEV	1NVMPHG0546 2R5	FCDY	DS	012683	PT	DS	012583			R/P	091687	PT	R/P	091687			12.00															
BLN-14	1	PSNF	C	IIINF1	0.168	0.168	F/FBEV	F/FBEV	1NVMPHG0546 2R5	FCDY	DS	012683	PT	DS	012683			R/P	091687	PT	R/P	091687			11.85	0.06	0.09							X							
BLN-14	1	PSNF	D	IIINF1	0.108	0.108	FILLET	FILLET	1NVMPHG0546 2R5	FCDY	DS	012483	PT	DS	012483			R/P	091687	PT	R/P	091687			12.00															

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REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-14	1	PSNF	E	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0546 2R5	FCDY	DS	012483	PT	DS	012483		R/P	091887	PT	R/P	091887		12.90															
BLN-14	1	PSNF	F	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0548 2R5	FCDY	DS	012483	PT	DS	012483		R/P	091887	PT	R/P	091887		12.90															
BLN-15	1	PSNF	AU1	IIINF1	0.250	0.250	FILLET	FILLET	1NVMPHG0547 1R1	FAMQ	JH	060487	MT	JH	060487		R/P	091187	MT	R/P	091187		5.00															
BLN-15	1	PSNF	BU1	IIINF1	0.250	0.250	FILLET	FILLET	1NVMPHG0547 1R1	FAMQ	JH	060487	MT	JH	060487		R/P	091187	MT	R/P	091187		4.61		0.19						X							
BLN-15	1	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0547 1R1	FSRM	MS	092681	PT	CT	092681		R/P	091187	PT	R/P	091187		5.00															
BLN-15	1	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0547 1R1	FSRM	MS	092681	PT	CT	092681		R/P	091187	PT	R/P	091187		5.00															
BLN-15	1	PSNF	E	IIINF1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0547 1R1	FATD	AV	090381	PT	AV	090381	LH	090681	R/P	091167	PT	R/P	091187	KP	070092	4.13													
BLN-15	1	PSNF	F	IIINF1	N/A	N/A	GROOVE	GROOVE	1NVMPHG0547 1R1	FATD	AV	090381	PT	AV	090381	LH	090681	R/P	091187	PT	R/P	091187	KP	070792	4.13													
BLN-16	1	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0552 R3	FCJP	DS	071382	PT	DS	071382		AR	092287	PT	AR	092287		20.94	0.06							X							
BLN-16	1	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	1NVMPHG0552 R3	FCJP	DS	071382	PT	DS	071382		AR	092287	PT	AR	092287		2.58															
BLN-16	2	PSNF	A	IIINF1	0.313	0.313	FILLET	FILLET	2NVMPHG0319 R2	FCCA	RC	091181	PT	ZR	091181		AR	030288	PT	AR	030288		21.00															
BLN-16	2	PSNF	B	IIINF1	0.313	0.313	FILLET	FILLET	2NVMPHG0319 R2	FCCA	RC	091181	PT	ZR	091181		AR	030288	PT	AR	030288		20.50		0.50						X							
BLN-16	2	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0319 R2	FCCA	AN	091281	PT	AN	091281		AR	030288	PT	AR	030288		6.00															
BLN-16	2	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0319 R2	FCCA	AH	091281	PT	AH	091281		AR	030288	PT	AR	030288		0.90															
BLN-16	2	PSNF	E	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0319 R2	FATD	AV	090381	PT	AV	090681	LH	090681	DG	080392	PT	DG	080392	KP	070792			4.13											
BLN-16	2	PSNF	F	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0319 R2	FATD	AV	090381	PT	AV	090381	LH	090681	DG	080392	PT	DG	080392	KP	070792			4.13											

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BLN-19	2	PSNF	A	IIINF1	0.198	0.188	FILLET	FILLET	2NVMPHG0525 2R1	FBZP	JH	073082	PT	JH	073082			AR	092387	PT	AR	092387			3.06															
BLN-19	2	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0525 2R1	FBZP	JH	073082	PT	JH	073082			AR	092387	PT	AR	092387			3.25															
BLN-19	2	PSNF	C	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0525 2R1	FBZP	JH	073082	PT	JH	073082			AR	092387	PT	AR	092387			3.00															
BLN-19	2	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0525 2R1	FBZP	JH	073082	PT	JH	073082			AR	092387	PT	AR	092387			3.25															
BLN-19	2	PSNF	E	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0525 2R1	FATD	WS	051282	PT	WS	051282	LH	051792	AR	092387	PT	AR	092387	KP	070792	4.13							RT REJECT FOR SENSITIVITY								
BLN-19	2	PSNF	F	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0525 2R1	FATD	WS	051282	PT	WS	051282	LH	051782	AR	092387	PT	AR	092387	KP	070792	4.13															
BLN-20	2	PSNF	A	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030388			4.09															
BLN-20	2	PSNF	B	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030308			4.00															
BLN-20	2	PSNF	C	IIINF1	0.108	0.108	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030388			3.87		0.13							X							
BLN-20	2	PSNF	D	IIINF1	0.188	0.188	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030388			4.08															
BLN-20	2	PSNF	ES1	IIINF1	0.313	0.313	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030388			9.00															
BLN-20	2	PSNF	FS1	IIINF1	0.313	0.313	FILLET	FILLET	2NVMPHG0550 1R1	FAUJ	RG	101781	PT	RG	101781			AR	030388	PT	AR	030388			8.75		0.25							X							
BLN-21	0	PSNF	A	IIINF2	0.250	0.250	FILLET	FILLET	SKONBMPHG0014FR3	FBYT	MH	052582						R/P	091887						10.06															
BLN-21	0	PSNF	BR1	IIINF2	0.250	0.250	F/GRV	F/GRV	SKONBMPHG0614FR3	FAIH	MT	100582						R/P	091687						12.00															
BLN-21	0	PSNF	C	IIINF2	0.188	0.188	FILLET	FILLET	SKONBMPHG0014FR3	FBYT	MH	052582						R/P	091687						4.00															
BLN-21	0	PSNF	ER1	IIINF2	0.250	0.250	F/GRV	F/GRV	SKONBMPHG0914FR3	FAIH	MT	100582						R/P	091687						12.09															

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BLN-21	0	PSNF	F	IIINF2	0.250	0.250	FILLET	FILLET	SKONSMPHG0614FR3	FAIH	MT	100582						R/P	091887						18.00															
BLN-21	0	PSNF	G	IIINF2	0.250	0.250	FILLET	FILLET	SKONSMPHG9014FR3	FAIH	MT	100582						R/P	091887						12.00															
BLN-22	0	PSNF	AR1	IIINF2	0.250	0.250	FILLET	FILLET	ONMMPHG0247 2R902	FBKZ	SF	012282	PT	SF	012282			AR	030688	PT	AR	030268			22.62		0.38							X						
BLN-22	0	PSNF	BR1	IIINF2	0.250	0.250	F/GRV	F/GRV	ONMMPHG0247 2R902	FBKZ	SF	012282	PT	SF	012282			AR	030688	PT	DA	110592			10.25					11.75					X		X			
BLN-22	0	PSNF	CR1	IIINF2	0.250	0.250	F/GRV	F/GRV	ONMMPHG0247 2R902	FARG	WS	120481						AR	030688						22.00															
BLN-22	0	PSNF	D	IIINF2	0.250	0.250	FILLET	FILLET	ONMMPHG0247 2R902	FARG	LB	100682	PT	LB	100682			AR	030688	PT	AR	030688			8.00															
BLN-22	0	PSNF	E	IIINF2	N/A	N/A	GROOVE	GROOVE	ONMMPHG0247 2R902	FATD	DM	101781						AR	030688						8.00															
BLN-23	0	PSNF	A	IIINF2	0.108	0.188	FILLET	FILLET	ONMMPHG0511 R901	FAMA	BH	111478	PT	BH	111478			AR	081488	PT	AR	031468			6.00															
BLN-23	0	PSNF	S	IIINF2	0.188	0.188	FILLET	FILLET	ONMMPHG0511 R901	FAOF	RE	120178	PT	RE	120178			AR	081488	PT	AR	031468			6.08															
BLN-23	0	PSNF	C	IIINF2	0.188	0.188	F/GRV	F/GRV	ONMMPHG0511 R901	FAMF	AN	062182						AR	081488						0.00															
BLN-23	0	PSNF	D	IIINF2	0.188	0.188	F/GRV	F/GRV	ONMMPHG0511 R901	FAMF	AH	062182	PT	AH	062162			AR	031483	PT	TH	062692			5.87		0.13											X		
BLN-24	1	PSNF	A	IIINF2	0.250	0.250	FILLET	FILLET	1NDMPHG0810 1R902	FATS	MD	111681	PT	MD	111681			AR	022688	PT	AR	022688			14.00															
BLN-24	1	PSNF	BR1	IIINF2	0.250	0.250	FILLET	FILLET	1NDMPHG0610 1R902	FATS	MD	111681	PT	MD	111681			AR	022688	PT	AR	022688			0.09															
BLN-24	1	PSNF	CR1	IIINF2	0.313	0.313	FILLET	FILLET	1NDMPHG0610 1R902	FATS	MD	111681	PT	MD	111681			AR	022688	PT	AR	022688			6.90															
BLN-24	1	PSNF	DR1	IIINF2	0.313	0.313	FILLET	FILLET	1NDMPHG0610 1R902	FATS	MD	111681	PT	MD	111681			AR	022688	PT	AR	022688			6.00															
BLN-24	1	PSNF	ER1	IIINF2	0.250	0.250	FILLET	FILLET	1NDMPHG0610 1R902	FATS	MD	111681	PT	MD	111081			AR	022688	PT	AR	022688			6.00															

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BLN-24	1	PSNF	F	IIINF2	0.250	0.250	FILLET	FILLET	1NDMPHG0610 1R902	FAT8	MD	111881	PT	MD	111881			AR	022688	PT	AR	022688			14.00															
BLN-25	1	PSNF	A	IIINF2	0.188	0.188	FILLET	FILLET	1NSMPHG0051 3R902	FBKJ	AV	042683	PT	AV	042683			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	B	IIINF2	0.188	0.188	FILLET	FILLET	1NSMPHG0051 3R902	FBKJ	AV	042683	PT	AV	042683			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	CR1	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQH	SG	011884	PT	SG	011884			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	DR1	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQH	SG	011884	PT	SG	011884			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	ER1	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQH	SG	011884	PT	SG	011884			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	F	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQM	SG	121980	PT	RG	121980			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	G	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FAMY	FB	102883	PT	FB	102883			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	H	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQM	SG	121980	PT	RG	121980			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	IR1	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQH	SG	011884	PT	SG	011884			AR	022688	PT	AR	022688			9.77		0.23							X							
BLN-25	1	PSNF	J	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG0051 3R902	FBQM	SG	121980	PT	RG	121980			AR	022688	PT	AR	022688			9.87		0.13							X							
BLN-25	1	PSNF	K	IIINF2	0.188	0.188	FILLET	FILLET	1NSMPHG0051 3R902	FBKJ	AV	042683	PT	AV	942683			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	L	IIINF2	0.313	0.313	FILLET	FILLET	1NSMPHG0051 3R902	FBOH	SG	012484	PT	SG	012484			AR	022688	PT	AR	022688			4.00															
BLN-25	1	PSNF	M	IIINF2	0.188	0.108	FILLET	FILLET	1NSMPHG0051 3R902	FBKJ	AV	042683	PT	AV	042683			AR	022688	PT	AR	022688			10.00															
BLN-25	1	PSNF	N	IIINF2	0.313	0.313	FILLET	FILLET	1NSMPHG0051 3R902	FBQH	SG	012494	PT	SG	012484			AR	022688	PT	AR	022688			4.00															
BLN-26	1	PSNF	A	IIINF2	0.188	0.188	FILLET	FILLET	1NVMPHG0793 1R901	FBRG	AS	040681	PT	AS	040681			AR	030688	PT	AR	030688			4.00															

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BLN-26	1	PSNF	B	IIINF2	0.188	0.188	FILLET	FILLET	1NVMPHG0793 1R901	FBRG	AS	040681						AR	030688						4.00																
BLN-26	1	PSNF	C	IIINF2	0.188	0.188	FILLET	FILLET	1NVMPHG0793 1R901	FBRG	AS	040681	PT	AS	040681			AR	030688	PT	AR	030688			4.90																
BLN-26	1	PSNF	D	IIINF2	N/A	N/A	GROOVE	GROOVE	1NVMPHG0793 1R901	FAKR	JS	012781						AR	030688						6.90																
BLN-26	1	PSNF	E	IIINF2	N/A	N/A	GROOVE	GROOVE	1NVMPHG0793 1R901	FAKR	JS	012781						AR	030688						6.00																
BLN-26	1	PSNF	F	IIINF2	0.188	0.188	FILLET	FILLET	1NVMPHG0793 1R901	FBSO	WS	101281	PT	WS	101281			AR	030688	PT	AR	030688			10.90																
BLN-26	1	PSNF	G	IIINF2	0.188	0.188	FILLET	FILLET	1NVMPHG0793 1R901	FBSO	WS	101281	PT	WS	101281			AR	030688	PT	AR	030688			10.00																
BLN-27	1	PSNF	A	IIINF2	0.375	0.375	FILLET	FILLET	SK1NVMPHG0625 R1	FAOV	NA	100584						R/P	091887						12.90																
BLN-27	1	PSNF	B	IIINF2	0.250	0.250	FILLET	FILLET	SK1NVMPHG0625 R1	FAOV	NA	100584						R/P	091887						12.90																
BLN-26	1	PSNF	A	IIINF2	0.375	0.375	FILLET	FILLET	SK1NVMPHG0625 R3	FCRG	NA	100584						R/P	091887						12.00																
BLN-26	1	PSNF	B	IIINF2	0.250	0.250	FILLET	FILLET	SK1NVMPHG0625 R3	FAOV	NA	100584						R/P	091887						4.00																
BLN-26	1	PSNF	A	IIINF2	0.188	0.250	FILLET	FILLET	SKIREMPHG0043F R2	FATM	JS	031579						R/P	091187						8.00					4.00		BHOULD BE AISC PER REVISED DWG		X	X		X			
BLN-29	1	PSNF	B	IIINF2	0.188	0.250	F/FBEV	F/FBEV	SKIREMPHG0043F R2	FAVV	JS	041079						R/P	091187						8.00					4.90		SHOULD BE AISC PER REVISED DWG		X	X		X			
BLN-29	1	PSNF	C	IIINF2	0.188	0.188	FILLET	FILLET	SKIREMPHG0043F R2	FATM	SS	041079						R/P	091187						3.87					0.13		SHOULD BE AISC, OVERLAP								
BLN-29	1	PSNF	A	IIINF2	0.188	0.188	FILLET	FILLET	IRHMPHG0047F R2	FATM	SS	041079						R/P	100287						4.00							SHOULD BE AISC PER REVISED DWG		X						
BLN-30	2	PSNF	A	IIINF2	0.250	0.250	FILLET	FILLET	2NSMPHG0142 R3	FCLH	AV	030282	PT	AV	030282			R/P	092087	PT	R/P	092087			13.00																
BLN-30	2	PSNF	B	IIINF2	0.188	0.188	GROOVE	GROOVE	2NSMPHG0142 R3	FCLH	AV	030282	PT	AV	030282			R/P	092087	PT	R/P	092087			4.90																

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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STRU=STRUCT STL
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EVALUATION RESULTS

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REJECT CODE

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WL-WELD LENGTH/LOCATION
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-30	2	PSNF	C	IIINF2	0.250	0.250	FILLET	FILLET	2NSMPHG0142 R3	FCLH	AV	030282						R/P	092087						13.00															
BLN-30	2	PSNF	D	IIINF2	0.188	0.188	GROOVE	GROOVE	2NSMPHG0142 R3	FCLH	AV	030282						R/P	092087						4.00															
BLN-30	2	PSNF	E	IIINF2	0.188	0.188	FILLET	FILLET	2NSMPHG0142 R3	FAUM	LB	092682	PT	LB	092682			R/P	092087	PT	R/P	092087			7.91			0.09					X							
BLN-30	2	PSNF	F	IIINF2	N/A	N/A	GROOVE	GROOVE	2NSMPHG0142 R3	FCJV	DM	032282						R/P	092087						6.00															
BLN-30	2	PSNF	G	IIINF2	0.250	0.188	FILLET	FILLET	2NSMPHG0142 R3	FCLH	AV	030282	PT	AV	030282			R/P	092087	PT	R/P	092087			9.50															
BLN-31	1	PSNF	AS1	IIINF2	0.313	0.313	FILLET	FILLET	1CAMPHG0012 R2	FALN	SM	092382						R/P	091287						20.81					0.19				X						
BLN-31	1	PSNF	BS1	IIINF2	0.188	0.188	F/GRV	FILLET	1CAMPHG0012 R2	FALN	SM	091782						R/P	091287						21.00															
BLN-31	1	PSNF	CS1	IIINF2	0.188	0.188	F/GRV	FILLET	1CAMPHG0012 R2	FALN	SM	091782						R/P	091287						21.00															
BLN-31	1	PSNF	DS1	IIINF2	0.313	0.313	FILLET	FILLET	1CAMPHG0012 R3	FALN	SM	092682						R/P	001287						20.94					0.00		OVERLAP								
BLN-31	1	PSNF	ES1	IIINF2	0.188	0.188	F/GRV	FILLET	1CAMPHG0012 R2	FALN	SM	092382						R/P	091287						21.00															
BLN-31	1	PSNF	FS1	IIINF2	0.188	0.188	F/GRV	FILLET	1CAMPHG0012 R2	FALN	SM	092382						R/P	091287						21.90															
BLN-32	1	PSNF	A	IIINF2	0.625	0.313	F/FBEV	F/FBEV	1KCMPHG0547 R901	FBZP	PW	012385						R/P	091287						14.90															
BLN-32	1	PSNF	B	IIINF2	0.625	0.313	F/FBEV	F/FBEV	1KCMPHG0547 R001	FBZP	PW	012385						R/P	091207						14.00															
BLN-32	1	PSNF	C	IIINF2	0.250	0.250	F/FBEV	F/FBEV	1KCMPHG0547 R001	FCPD	PW	012385						R/P	091287						6.90															
BLN-32	1	PSNF	D	IIINF2	0.250	0.250	F/FBEV	F/FBEV	1KCMPHG0547 R901	FCPD	PW	012385						R/P	091287						6.00															
BLN-32	1	PSNF	E	IIINF2	0.250	0.250	F/FBEV	F/FBEV	1KCMPHG0547 R901	FCPD	PW	012385						R/P	091287						6.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-32	1	PSNF	F	IIINF2	0.250	0.250	F/FBEV	F/FBEV	1KCMPHG0547 R901	FCPD	PW	012385						R/P	091287						6.00															
BLN-32	1	PSNF	G	IIINF2	0.188	0.188	FILLET	FILLET	1KCMPHG0547 R901	FBZP	AJ	011885						R/P	091287						11.00															
BLN-32	1	PSNF	H	IIINF2	0.188	0.188	FILLET	FILLET	1KCMPHG0547 R901	FBZP	AJ	011885						R/P	091287						11.00															
BLN-32	1	PSNF	I	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0547 R901	FBZP	AJ	011885						R/P	091287						11.00															
BLN-32	1	PSNF	J	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0547 R901	FBZP	AJ	011885						R/P	091287						11.00															
BLN-32	1	PSNF	K	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0547 R901	FBZP	AJ	011885						R/P	091287						4.00							2" INACCESSABLE FOR INSPECTION									
BLN-33	1	PSNF	A	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FAFV	JW	040185						AR	022788						16.90															
BLN-33	1	PSNF	B	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0793 R6	FAFV	SM	040185						AR	022788						16.90															
BLN-33	1	PSNF	CT1	IIINF2	0.188	0.188	F/GRV	F/BEV	1KCMPHG0783 R6	FBZP	JB	122485						AR	022783						16.00															
BLN-33	1	PSNF	D	IIINF2	0.188	0.188	FILLET	FILLET	1KCMPHG0783 R6	FAFV	SM	040185						AR	022783						16.90															
BLN-33	1	PSNF	E	IIINF2	0.188	0.188	FILLET	FILLET	1KCMPHG0783 R6	FCHW	SM	040185						AR	022783						16.00															
BLN-33	1	PSNF	FS1	IIINF2	0.188	0.188	F/GRV	F/BEV	1KCMPHG0783 R6	FAWO	JW	070185						AR	022788						16.00															
BLN-33	1	PSNF	GS1	IIINF2	0.188	0.188	F/GRV	F/BEV	1KCMPHO0783 R6	FAWO	JW	070185						AR	022788						16.00															
BLN-33	1	PSNF	HT1	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FBZP	JB	122485						AR	022788						9.00															
BLN-33	1	PSNF	IT1	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0793 R6	FBZP	JB	122485						AR	022788						8.87	0.13												X		
BLN-33	1	PSNF	JS1	IIICL2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FALK	JB	100985	PT	JB	100985			AR	022788	PT	AR	022788			8.50															

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INSPEC PACK WP-C-	IT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE L	AS	WS	WL	UC	PO	LF	WSP
BLN-33	1	PSNF	KB1	IIICL2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FAEP	JB	100985	PT	JB	100985			AR	022783	PT	AR	022783			6.50															
BLN-33	1	PSNF	LS1	IIICL2	0.250	0.250	FILLET	FILLET	1KCMPHG0793 R6	FALK	JB	100985	PT	JB	100985			AR	022783	PT	AR	022783			6.50															
BLN-33	1	PSNF	MS1	IIICL2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FAEP	JB	100385	PT	JB	100985			AR	022783	PT	AR	022783			6.50															
BLN-33	1	PSNF	NU1	IIINF2	0.250	0.250	F/GRV	F/GRV	1KCMPHG0783 R6	FALK	JB	100785						AR	022783						9.00															
BLN-33	1	PSNF	OT1	IIINF2	0.250	0.250	F/GRV	F/GRV	1KCMPHG0783 R6	FALK	JB	093085						AR	022783						9.90															
BLN-33	1	PSNF	PT1	IIINF2	0.250	0.250	FILLET	FILLET	1KCMPHG0783 R6	FBZP	JB	122485						AR	022783						11.00															
BLN-33	1	PSNF	QT1	IIINF2	0.250	0.250	F/GRV	F/GRV	1KCMPHG0703 R6	FALK	JB	109185						AR	022783						11.00															
BLN-33	1	PSNF	RT1	IIINF2	0.250	0.250	F/GRV	F/GRV	1KCMPHG0783 R6	FBZP	JB	122485						AR	022783						11.00															
BLN-33	1	PBNF	ST1	IIINF2	0.250	0.250	F/GRV	F/BEV	1KCMPHG0783 R6	FALK	JB	093085						AR	022783						28.87	0.13												X		
BLN-34	1	PSNF	AR1	IIINF2	0.375	0.375	FILLET	FILLET	1NVMPHG0297 R901	FBND	MB	010882						R/P	091687						21.00															
BLN-34	1	PSNF	BR1	IIINF2	0.375	0.375	FILLET	FILLET	1NVMPHG0297 R901	FBND	MS	010882						R/P	001887						21.00															
BLN-34	1	PSNF	CR1	IIINF2	0.250	0.250	FILLET	FILLET	1NVMPHG0297 R001	FBND	MS	010882						R/P	091687						17.90															
BLN-34	1	PSNF	DR1	IIINF2	0.250	0.250	FILLET	FILLET	1NVMPHG0297 R901	FBND	MS	010882						R/P	091687						15.00					2.90							X			
BLN-34	1	PSNF	ER1	IIINF2	0.250	0.250	FILLET	FILLET	1NVMPHG0297 R901	FBND	MB	010882						R/P	091687						21.00															
BLN-34	1	PSNF	FR1	IIINF2	0.250	0.250	FILLET	FILLET	1NVMPHG0297 R901	FBND	MB	010882						R/P	091687						21.90															
BLN-35	2	PSNF	A	IIINF2	0.313	0.313	FILLET	FILLET	2NDMPHG0003 1R0	FBHL	AN	09208	PT	AH	082081			AR		PT	AR				8.00															

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BLN-35	2	PSNF	B	IIINF2	N/A	N/A	GROOVE	GROOVE	2NDMPHG0003 1R0	FARX	VM	072781						AR	032288						4.90															
BLN-36	2	PSNF	AS1	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAYW	AH	012682						AR	030288						15.00															
BLN-36	2	PSNF	BS1	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAYW	AN	012682						AR	030288						15.00															
BLN-36	2	PSNF	C	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAHM	RC	092181						AR	030288						15.00															
BLN-36	2	PSNF	D	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAHM	RC	092181						AR	030288						15.00															
BLN-36	2	PSNF	E	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAHM	RC	092181						AR	030288						23.00															
BLN-36	2	PSNF	F	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0059 1R1	FAHM	RC	092181						AR	030288						22.81			0.19										X		
BLN-36	2	PSNF	GR1	IIINF2	0.313	0.313	FILLET	FILLET	2NDMPHG0059 1R1	FANM	AH	093081	PT	AH	093081			AR	030288	PT	AR	030288			3.00															
BLN-36	2	PSNF	HR1	IIINF2	0.313	0.313	FILLET	FILLET	2NDMPHG0059 1R1	FAHM	AH	093081	PT	AH	093081			AR	030288	PT	AR	030288			3.00															
BLN-37	2	PSNF	A	IIINF2	0.250	0.250	F/GRV	F/FBEV	2NDMPHG0672 R901	FCJY	NA	041283						AR	030188						24.00															
BLN-37	2	PSNF	B	IIINF2	0.250	0.250	F/GRV	F/FBEV	2NDMPHG0072 R901	FCJY	NA	041283						AR	030188						24.00															
BLN-37	2	PSNF	C	IIINF2	0.250	0.250	FILLET	FILLET	2NDMPHG0672 R901	FCJY	NA	041383						AR	030188						23.78			0.22										X		
BLN-37	2	PSNF	D	IIINF2	0.250	0.250	FILLET	FILLET	2NDMPHG0072 R901	FCJY	NA	041383						AR	030188						24.00															
BLN-37	2	PSNF	E	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0672 R901	FCJY	NA	041283						AR	030188						24.00															
BLN-37	2	PSNF	F	IIINF2	0.250	0.250	FILLET	FILLET	2NDMPHG0672 R901	FCJY	NA	041583						AR	030188						24.00															
BLN-37	2	PSNF	G	IIINF2	0.188	0.188	FILLET	FILLET	2NDMPHG0072 R001	FCJY	NA	041283						AR	030188						24.00															

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LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-37	2	PSNF	H	IIINF2	0.281	0.250	FILLET	FILLET	2NDMPHG0672 R901	FCJY	NA	041583	PT	NA	041583			AR	030188	PT	AR	030188			24.00							*FILLET WELD INCREASED FOR GAP							
BLN-37	2	PSNF	I	IIINF2	0.250	0.250	FILLET	FILLET	2NDMPHG0672 R901	FCJY	NA	040683	PT	NA	040683			AR	030188	PT	AR	030188			24.00														
BLN-36	1	PSNF	AR1	IIINF2	0.188	0.188	FILLET	FILLET	1NLMPHG0096 2R0	FCBL	CT	100681	PT	RG	100781			R/P	093087	PT	R/P	093087			21.00														
BLN-36	1	PSNF	B	IIINF2	0.188	0.188	FILLET	FILLET	1NLMPHG0096 2R0	FCBL	BM	100681	PT	SM	100581			R/P	093087	PT	R/P	093087			2.13														
BLN-39	1	PSNF	AR1	IIINF2	0.375	0.375	F/GRV	F/GRV	1NSMPHG1063 R901	FBEU	MT	031781	MT	MT	031781			AR	031088	MT	AR	031088			14.00														
BLN-39	1	PSNF	B	IIINF2	0.188	0.188	F/GRV	F/GRV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						13.94					0.00				X					
BLN-39	1	PSNF	C	IIINF2	0.188	0.188	F/GRV	F/FBEV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						13.87	0.13											X		
BLN-39	1	PSNF	D	IIINF2	0.188	0.188	F/GRV	F/FBEV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						14.90														
BLN-39	1	PSNF	E	IIINF2	0.188	0.188	F/GRV	F/FBEV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						14.00														
BLN-39	1	PSNF	F	IIINF2	0.188	0.188	F/GRV	F/FBEV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						14.00														
BLN-39	1	PSNF	G	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1063 R901	FAWO	LM	080680						AR	031088						13.81					0.19						X			
BLN-39	1	PSNF	HR1	IIINF2	0.375	0.375	F/GRV	F/FBEV	1NSMPHG1063 R901	FBEU	MT	031781	MT	MT	031781			AR	031088	MT	AR	031088			15.00														
BLN-39	1	PSNF	I	IICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1063 R901	FBEU	DC	012381	PT	DC	012381			AR	031088	PT	AR	031088			3.50														
BLN-39	1	PSNF	J	IICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1063 R901	FBEU	DC	012381	PT	DC	012381			AR	031088	PT	AR	031088			3.50														
BLN-39	1	PSNF	KS1	IICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1063 R901	FBEU	MT	020581	PT	MT	020581			AR	031088	PT	AR	031088			3.50														
BLN-39	1	PSNF	LS1	IICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1063 R901	FBEU	MT	020581	PT	MT	020581			AR	031088	PT	AR	031088			3.50														

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BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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REJECT CODE

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AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENOTH/LOCATION
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A3	A5	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-40	1	PSNF	A	IIINF2	0.313	0.313	FILLET	FILLET	1NSMPHG1095 R902	FACY	CH	090380						AR	031186	MT	AR	931186			14.00															
BLN-40	1	PSNF	BR1	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1095 R902	FACO	DC	032281						AR	931186						14.90															
BLN-40	1	PSNF	C	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1095 R902	FAWO	LM	061280						AR	031186						14.00															
BLN-40	1	PSNF	D	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1005 R902	FAWO	LM	061280						AR	031186						14.00															
BLN-40	1	PSNF	E	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1005 R902	FAWO	LM	001280						AR	031186						14.00															
BLN-40	1	PSNF	F	IIINF2	0.250	0.250	F/GRV	F/FBEV	1NSMPHG1095 R902	FBHV	LM	061280						AR	031186						14.00															
BLN-40	1	PSNF	G	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1005 R902	FACO	FH	021381	PT	FH	021381			AR	031186	PT	AR	031186			3.50															
BLN-40	1	PSNF	H	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1005 R902	FACO	FH	021381	PT	FH	021381			AR	031186	PT	AR	031186			3.50															
BLN-40	1	PSNF	I	IIICL2	0.250	0.280	FILLET	FILLET	1NSMPHG1095 R902	FACO	FH	021381	PT	FH	021381			AR	031186	PT	AR	931186			3.50															
BLN-40	1	PSNF	J	IIICL2	0.250	0.250	FILLET	FILLET	1NSMPHG1095 R902	FACO	FH	021381	PT	FH	021381			AR	031186	PT	AR	031186			3.50															
BLN-40	1	PSNF	K	IIINF2	0.313	0.313	F/GRV	F/GRV	1NSMPHG1095 R902	FACO	DC	032281	MT	DC	032281			AR	031186	MT	AR	031186			14.00															
BLN-40	1	PSNF	LR1	IIINF2	0.375	0.375	F/GRV	F/GRV	1NSMPHG1095 R902	FBWY	FH	030481						AR	031186						14.00															
BLN-41	0	PSNF	AR1	IIINF3	0.313	0.313	FILLET	FILLET	0KCMPHG1078 2R0	FBIK	MT	021082						R/P	091837						8.00															
BLN-41	0	PSNF	B	IIINF3	N/A	N/A	GROOVE	GROOVE	0KCMPHG1078 2R0	FBIZ	BH	031080						R/P	091887						10.50															
BLN-42	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	0NBMPHG0591 R1	FBRE	GT	120161						AR	032588						12.00															
BLN-42	0	PSNF	B	IIINF3	0.250	0.250	F/GRV	F/BEV	0NBMPHG0591 R1	FBRE	GT	120161						AR	032588						12.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-42	0	PSNF	CS1	IIINF3	0.250	0.250	FILLET	FILLET	0NBMPHG0581 R1	PACX	TA	040782			583		AR	032588			88		4.00															
BLN-43	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0289F R7	FAKR	BS	091281			040883		AR	031 88			88		12.00															
BLN-43	0	PSNF	B	IIINF3	0.250	0.250	F/GRV	F/FBEV	OVKMPHG0289F R7	FAKR	BS	091281					AR	031 7			7		13.00															
BLN-43	0	PSNF	C	IIINF3	0.280	0.250	FILLET	FILLET	OVKMPHG0289F R7	FAKR	BS	091281			1		AR	039087			7		4.00															
BLN-43	0	PSNF	D	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0289F R7	FAKR	BS	091281					AR	031088			088		12.90															
BLN-43	0	PSNF	E	IIINF3	0.250	0.250	F/GRV	F/FBEV	OVKMPHG0289F R7	FAKR	BS	091281					AR	031088					12.00															
BLN-43	0	PSNF	F	IIINF3	0.250	0.250	F/GRV	F/FBEV	OVKMPHG0289F R7	FAKR	BS	091281					AR	031088					13.00															
BLN-43	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0288F R7	FAKR	BS	091281					AR	031088					9.00															
BLN-43	0	PSNF	B	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0288F R7	FAKR	BS	091281					AR	031088					3.50															
BLN-43	0	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0289F R7	FAKR	BS	091281					AR	031088					4.00															
BLN-43	0	PSNF	D	IIINF3	0.250	0.250	F/GRV	F/FBEV	OVKMPHG0288F R7	FCRH	CT	11					AR	031088					17.00															
BLN-43	0	PSNF	E	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0288F R7	FCRH	CT	11					AR	031088			088		13.50															
BLN-43	0	PSNF	F	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0289F R7	FCRH	CT	11					AR	031088			088		13.50															
BLN-44	1	PSNF	AT1	IIINF3	0.250	0.313	FILLET	FILLET	1CAMPHG0220 1R901	FAYI	MG	060181					R/P	091988			088		41.75					1.75				X						
BLN-44	1	PSNF	BS1	IIINF3	0.280	0.250	FILLET	FILLET	1CAMPHG0220 1R901	FAYI	MG	060181					R/P	091988			088		43.50															
BLN-44	1	PSNF	CS1	IIINF3	0.250	0.250	FILLET	FILLET	1CAMPHG0220 1R901	FAYI	MG	051981					R/P	091988			088		21.00							PART OF WELD INACCESSIBLE FOR VT								

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INSPEC PACK WP-C-	IT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	OWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT SP BY	VT DATE MDDY	MT/PT MT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT SP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-44	1	PSNF	D81	IIINF3	0.250	0.250	FILLET	FILLET	1CAMPHO0220 1R901	FAYI	MG	052681						R/P	091188			88			28.82		0.18											X		
BLN-44	1	PSNF	E81	IIINF3	0.250	0.250	FILLET	FILLET	1CAMPHG0220 1R901	FAYI	MG	052681						R/P	091188						21.00															
BLN-44	1	PSNF	F81	IIINF3	0.250	0.250	FILLET	FILLET	1CAMPHG0220 1R901	FAYI	MG	051981						R/P	001188						21.90								PART OF WELD INACCESSIBLE FOR VT								
BLN-45	1	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0051 1R901	FAOL	NA	080585						AR	86						24.00								WELD IS 1/4" PER NCR 4825								
BLN-45	1	PSNF	B	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0631 1R901	FAQL	RB	080585						AR	86						12.00								SEE SCC 1KC-W-003								
BLN-45	1	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0631 1R901	FAOA	RB	022787						AR	86						24.00															
BLN-45	1	PSNF	D	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0631 1R901	FAQL	RB	080685						AR	86			88			11.50	0.50							SEE SCC 1KC-W-003						X		
BLN-45	1	PSNF	F	IIINF3	N/A	N/A	GROOVE	O/FBEV	1KCMPHG0631 1R901	FCOE	PW	082083						AR	86			86			16.00															
BLN-45	1	PSNF	G	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FCOE	TH	061063						AR	88			88			2.50															
BLN-45	1	PSNF	H	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0631 1R901	FAOA	OP	051765						AR	86			88			21.00															
BLN-45	1	PSNF	I	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0631 1R901	FAOA	OP	051685						AR	86			88			13.50															
BLN-45	1	PSNF	J	IIINF3	0.188	0.188	F/GRV	F/GRV	1KCMPHG0051 1R901	FBOZ	MT	061581						AR	88						13.37						0.13				X						
BLN-45	1	PSNF	K	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBOZ	MT	061881						AR	7						2.17	0.33												X		
BLN-45	1	PSNF	L	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0051 1R901	FAOA	NA	061285						AR	887						24.00															
BLN-45	1	PSNF	M	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R981	FAOA	NA	061285						AR	032588						23.50						0.50				X						
BLN-45	1	PSNF	N	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDYY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDYY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-45	1	PSNF	O	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	P	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	O	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	R	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	S	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	T	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0631 1R001	FBQZ	MT	061981						AR							7.00															
BLN-45	1	PSNF	U	IIICL3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FBQZ	MT	061981						AR	030						7.00															
BLN-45	1	PSNF	V	IIINF3		N/A		GROOVE	1KCMPHG0631 1R901	FCJV	DS	011487																				STRUT NOT INSTALLED								
BLN-45	1	PSNF	Y	IIINF3		N/A		GROOVE	1KCMPHG0631 1R901	FCJV	RG	050264																				STRUT NOT INSTALLED								
BLN-45	1	PSNF	AA	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FAQL	NA	080285						AR	7						24.00															
BLN-45	1	PSNF	BB	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FAOA	NA	061285						AR							24.00															
BLN-45	1	PSNF	CC	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0031 1R901	FAQL	RB	080885						AR							12.00															
BLN-45	1	PSNF	DD	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0031 1R901	FAQL	RB	080885						AR							12.00															
BLN-45	1	PSNF	EE	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FADA	NA	061285						AR							24.00															
BLN-45	1	PSNF	FF	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0031 1R901	FAOA	NA	061285						AR							24.00															
BLN-45	1	PSNF	GG	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0031 1R901	FAQL	RB	080285						AR							12.90							SEE FCR H-6081 FOR LOCATION (CO	)							

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F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-45	1	PSNF	HH	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0031 1R901	FAQL	RB	080885					AR	030386					24.00							OF WELD, WELD SHOWN ON R12 OF DWG								
BLN-46	1	PSNF	AR1	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0070 R903	FCCX	SG	052584					R/P	091487					9.00															
BLN-46	1	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	082780					R/P	091487					9.00															
BLN-46	1	PSNF	C	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	082780					R/P	091487					11.50															
BLN-46	1	PSNF	D	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	082780					R/P	091487					11.12	0.25				0.13							X	X		X
BLN-46	1	PSNF	E	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R003	FAVW	MT	072480					R/P	091487					4.25					0.75					X					
BLN-46	1	PSNF	F	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	072480					R/P	091487					5.00															
BLN-46	1	PSNF	G	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	072480					R/P	091487					4.75					0.25					X					
BLN-46	1	PSNF	H	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	072480					R/P	091487					8.00															
BLN-46	1	PSNF	I	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0070 R903	FAVW	MT	072480					R/P	091487					4.75					0.25					X					
BLN-46	1	PSNF	J	IIINF3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0070 R903	FAVI	DM	081580					R/P	091487					6.08															
BLN-46	1	PSNF	K	IIINF3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0070 R003	FAVI	DM	081580					R/F	091487					5.94	0.06													X	
BLN-46	1	PSNF	L	IIINF3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0070 R903	FAVI	DM	081580					R/P	091487					6.00															
BLN-46	1	PSNF	M	IIINF3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0070 R903	FAVI	DM	081580					R/P	091487					5.00					1.60					X					
BLN-47	1	PSNF	AR1	IIINF3	0.250	0.250	FILLET	FILLET	1KEMPHG0679 2R902	FBOO	MD	013183					AR	030486					8.00															
BLN-47	1	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0079 2R902	FBTM	MJ	012381					AR	030486					10.09							PART OF WELD INACCESSABLE								

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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CS=CONDUIT SPT
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-47	1	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	1KEMPHG0679 2R902	FBCA	OL	011080						AR	030486						23.00															
BLN-47	1	PSNF	D	IIINF3	0.250	0.250	FILLET	FILLET	1KEMPHG0679 2R902	FBCA	GL	011080						AR	030486						23.80															
BLN-47	1	PSNF	ER1	IIINF3	0.313	0.313	FILLET	FILLET	1KEMPHG0679 2R902	FBDO	MD	010583						AR	030486						6.50															
BLN-47	1	PSNF	FR1	IIINF3	0.313	0.313	FILLET	FILLET	1KEMPHG0679 2R902	FBOO	MD	010583						AR	030486						6.50															
BLN-47	1	PSNF	G	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FBSH	MJ	012181						AR	030486						6.50															
BLN-47	1	PSNF	HS1	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FBMX	DE	031461						AR	030486						6.50															
BLN-47	1	PSNF	I	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FBSH	RS	012281						AR	030486						8.00															
BLN-47	1	PSNF	J	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FBSH	RS	012281						AR	030486						8.00															
BLN-47	1	PSNF	K	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FCOX	GP	022085						AR	030486						12.09															
BLN-47	1	PSNF	L	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FCQX	GP	022085						AR	030486						12.00															
BLN-47	1	PSNF	M	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FCQX	GP	022085						AR	030486						14.00															
BLN-47	1	PSNF	N	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FCOX	GP	022085						AR	030486						14.00															
BLN-47	1	PSNF	O	IIINF3	N/A	N/A	GROOVE	GROOVE	1KEMPHG0679 2R902	FARB	JB	121080						AR	030486						6.00															
BLN-47	1	PSNF	P	IIINF3	N/A	N/A	GROOVE	GROOVE	1KEMPHG0679 2R902	FARB	JB	121080						AR	030486						6.09															
BLN-47	1	PSNF	Q	IIINF3	N/A	N/A	GROOVE	GROOVE	1KEMPHG0679 2R902	FARB	JB	121080						AR	030486						6.00															
BLN-47	1	PSNF	R	IIINF3	N/A	N/A	GROOVE	GROOVE	1KEMPHG0679 2R902	FARB	JB	121080						AR	030486						6.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-47	1	PSNF	SR1	IIINF3	0.250	0.250	FILLET	FILLET	1KEMPHG0679 2R903	FBOO	MD	013183						AR	030488						0.00															
BLN-47	1	PSNF	T	IIINF3	0.188	0.188	FILLET	FILLET	1KEMPHG0679 2R902	FBTM	MJ	012381						AR	030488						10.90							PART OF WELD INACCESSABLE								
BLN-48	1	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SK1KEMPHG1072 R5	FBEI	RB	120585						R/P	081187						20.80															
BLN-48	1	PSNF	B	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SK1KEMPHG1072 R5	FBQC	TH	110880						R/P	091187						19.77		0.13												X	
BLN-48	1	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	SK1KEMPHG1072 R5	FCOP	FB	042685						R/P	091187						7.00															
BLN-49	1	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	1VEMPHG1153 1R901	FBNS	FH	092081						R/P	100287						30.50					2.50							X			
BLN-49	1	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	1VEMPHG1153 1R901	FBNS	FH	092081						R/P	100287						1.91	0.00												X		
BLN-49	1	PSNF	C	IIINF3	N/A	N/A	GROOVE	GROOVE	1VEMPHG1153 1R901	FBFA	AV	081581						R/P	100287						6.00															
BLN-49	1	PSNF	A	IIINF3	0.188	0.188	FILLET	FILLET	1VEMPHG1154 1R1	FARB	FH	092081						R/P	091987						3.00															
BLN-49	1	PSNF	B	IIINF3	N/A	N/A	GROOVE	GROOVE	1VEMPHG1154 1R1	FATD	AV	091481						R/P	091987						6.00															
BLN-50	2	PSNF	A	IIINF3	0.250	0.250	F/FBEV	F/FBEV	2CAMPHG0062 R902	FBGJ	PW	011382						R/P	001887						20.08															
BLN-50	2	PSNF	B	IIINF3	0.250	0.250	F/FBEV	F/FBEV	2CAMPHG0062 R902	FBGJ	PW	011382						R/P	091887						20.00															
BLN-50	2	PSNF	C	IIINF3	0.250	0.250	F/FBEV	F/FBEV	2CAMPHG0062 R903	FBGJ	PW	011482						R/P	091887						20.00															
BLN-50	2	PSNF	D	IIINF3	0.500	0.500	FILLET	FILLET	2CAMPHG0062 R902	FBGT	JH	011582						R/P	091807						20.00															
BLN-51	2	PSNF	AS1	IIINF3	0.188	0.188	FILLET	FILLET	2CAMPHG0173 2R1	FARN	MT	001583						R/P	091987						9.00															
BLN-51	2	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	2CAMPHG0173 2R1	FBUQ	MH	041983						R/P	081887						9.00															

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F/BEV=FILLET ON BEVEL
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-51	2	PSNF	C	IIINF3	0.188	0.188	FILLET	FILLET	2CAMPHG0173 2R1	FBUQ	MH	041983						R/P	091987						4.00															
BLN-51	2	PSNF	D	IIINF3	0.188	0.188	FILLET	FILLET	2CAMPHG0173 2R1	FBUQ	MH	041983						R/P	091987						4.80															
BLN-52	2	PSNF	A	IIINF3	0.313	0.188	FILLET	FILLET	2KCMPHG0334 1R0	FBVT	MH	041982						R/P	091887						21.00															
BLN-52	2	PSNF	B	IIINF3	0.250	0.250	FILLET	FILLET	2KCMPHG0334 1R1	FBVT	MH	041982						R/P	091887						8.00															
BLN-52	2	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	2KCMPHG0334 1R1	FBVT	MH	041982						R/P	091887						8.00															
BLN-52	2	PSNF	D	IIINF3	0.250	0.188	FILLET	FILLET	2KCMPHG0334 1R0	FBVT	MH	041982						R/P	091887						21.00															
BLN-52	2	PSNF	E	IIINF3	0.250	0.250	FILLET	FILLET	2KCMPHG0334 1R1	FBVT	MH	041482						R/P	081887						8.00															
BLN-52	2	PSNF	F	IIINF3	0.250	0.250	FILLET	FILLET	2KCMPHG0334 1R1	FBVT	MH	041482						R/P	091887						8.00															
BLN-53	2	PSNF	A	IIINF3	0.313	0.313	FILLET	FILLET	2KEMPHG0805 2R904	FASG	MJ	111380						R/P	092587						17.50															
BLN-53	2	PSNF	B	IIINF3	0.250	0.313	FILLET	FILLET	2KEMPHG0805 2R904	FASG	RS	111080						R/P	092587						9.50					1.50					X					
BLN-53	2	PSNF	C	IIINF3	0.313	0.313	FILLET	FILLET	2KEMPHG0805 2R904	FASG	MJ	111380						R/P	092587						17.37					0.13		OVERLAP								
BLN-53	2	PSNF	D	IIINF3	0.250	0.313	FILLET	FILLET	2KEMPHG0805 2R904	FASG	RS	111280						R/P	092587						5.80					0.08					X					
BLN-53	2	PSNF	E	IIINF3	0.250	0.250	FILLET	FILLET	2KEMFHG0805 2R904	FASG	JS	112785						R/P	092587						10.00															
BLN-53	2	PSNF	F	IIINF3	0.250	0.250	FILLET	FILLET	2KEMPHG0805 2R904	FCCX	JS	112785						R/P	092587											10.00						X		X		
BLN-53	2	PSNF	G	IIINF3	0.250	0.250	FILLET	FILLET	2KEMPHG0805 2R904	FCCX	JS	112785						R/P	092587											10.00						X				
BLN-53	2	PSNF	H	IIINF3	0.250	0.250	FILLET	FILLET	2KEMPHG0805 2R904	FASG	JS	112785						R/P	092587						10.00															

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BLN-54	2	PSNF	A	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MM	061185						AR	032688						20.80															
BLN-54	2	PSNF	B	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MM	061185						AR	032688						20.00															
BLN-54	2	PSNF	C	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MM	061185						AR	032688						15.00															
BLN-54	2	PSNF	D	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MM	061185						AR	032688						15.00															
BLN-54	2	PSNF	E	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051585						AR	032688						13.50															
BLN-54	2	PSNF	F	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051585						AR	032688						13.50															
BLN-54	2	PSNF	G	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051585						AR	032688						13.50															
BLN-54	2	PSNF	H	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051585						AR	032688						13.50															
BLN-54	2	PSNF	I	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	052085						AR	032688						13.50															
BLN-54	2	PSNF	J	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	052085						AR	032688						13.50															
BLN-54	2	PSNF	K	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	060785						AR	032688						13.50															
BLN-54	2	PSNF	L	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	060785						AR	032688						13.50															
BLN-54	2	PSNF	M	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	060785						AR	032688						13.50															
BLN-54	2	PSNF	N	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	060785						AR	032688						13.50															
BLN-54	2	PSNF	O	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051685						AR	032688						13.50															
BLN-54	2	PSNF	P	IINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	051585						AR	032688						13.50															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
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A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
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REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
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LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NOE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-54	2	PSNF	O	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	052385						AR	032686						4.25															
BLN-54	2	PSNF	R	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	052385						AR	032686						4.25															
BLN-54	2	PSNF	S	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	061285						AR	032686						4.25															
BLN-54	2	PSNF	T	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3036 R6	FCEX	MPM	061285						AR	032686						4.25															
BLN-54	2	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	060785						AR	032686						13.50															
BLN-54	2	PSNF	S	IIINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	060785						AR	032686						13.50															
BLN-54	2	PSNF	C	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	060485						AR	032686						4.25															
BLN-54	2	PSNF	D	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	060485						AR	032686						4.25															
BLN-54	2	PSNF	E	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	061285						AR	032686						4.25															
BLN-54	2	PSNF	F	B31.1	0.188	0.188	FILLET	FILLET	2VEMPHG3037 R3	FCEX	MPM	061285						AR	032686						4.25															
BLN-55	2	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	2VEMPHG3079 1R901	FCKH	MM	061785						AR	030686						16.00															
BLN-55	2	PSNF	BT1	IIINF3	N/A	N/A	GROOVE	GROOVE	2VEMPHG3070 1R901	FAJV	MM	062085						AR	030686						6.00															
BLN-55	2	PSNF	C	IIINF3	0.250	0.250	F/GRV	F/FBEV	2VEMPHG3079 1R901	FCKH	MM	061485						AR	030686						16.00															
BLN-55	2	PSNF	D	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3079 1R901	FCKH	MM	061485						AR	030686						8.08															
BLN-58	2	PSNF	A	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG4135 R1	FBDO	MH	042783						R/P	081887						12.00															
BLN-58	2	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG4135 R1	FBDO	MH	042783						R/P	081887						12.00															

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WS-WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A3	A3	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-56	2	PSNF	C	IIINF3	0.188	0.250	F/FBEV	F/FBEV	2VEMPHG4135 R1	FBOO	PW	042583						R/P	001887						6.90					3.90					X					
BLN-56	2	PSNF	D	IIINF3	0.188	0.250	F/FBEV	F/FBEV	2VEMPHG4135 R1	FBDO	PW	042583						R/P	091887						6.00					3.00					X					
BLN-56	2	PSNF	E	IIINF3	0.188	0.250	F/FBEV	F/FBEV	2VEMPHG4135 R1	FBDD	MH	042783						R/P	081887						6.00					3.00					X					
BLN-56	2	PSNF	F	IIINF3	0.188	0.250	F/FBEV	F/FBEV	2VEMPHG4135 R1	FBDO	MH	042783						R/P	091887						6.80					3.00					X					
BLN-57	0	PSNF	A	IIINF3	0.188	0.313	FILLET	FILLET	0NMMPHG0337 R902	FAOA	JW	041076						R/P	092087						3.80					11.00					X					
BLN-57	0	PSNF	S	IIINF3	0.188	0.188	FILLET	FILLET	0NMMPHG0337 R903	FAXU	JC	020780						R/P	092587						14.80															
BLN-57	0	PSNF	CS1	IIINF3	0.188	0.188	FILLET	FILLET	0NMMPHG0337 R902	FAXU	JC	020780						R/P	092087						7.50															
BLN-57	0	PSNF	DR1	IIICL3	0.250	0.250	FILLET	FILLET	0NMMPHG0337 R902	FAIV	MH	021882						R/P	092087						3.50															
BLN-58	1	PSNF	A	IIINF3	0.188	0.188	FILLET	FILLET	1VEMPHG2334 1R902	FBWH	GT	102881						R/P	100287						3.80															
BLN-53	1	PSNF	B	IIINF3	N/A	N/A	GROOVE	GROOVE	1VEMPHG2334 1R903	FARB	BH	030780						R/P	100287						4.00															
BLN-58	1	PSNF	CR1	IIINF3	0.250	0.250	FILLET	FILLET	1VEMPHG2334 1R902	FCBI	SG	031385						R/P	100287						16.80															
BLN-58	1	PSNF	D	IIINF3	0.188	0.188	F/FBEV	F/FBEV	1VEMPHG2334 1R902	FBEY	DM	021781						R/P	100287						16.00															
BLN-58	1	PSNF	A	IIINF3	0.188	0.188	FILLET	FILLET	1VEMPHG2335 R1	FBEY	FH	021881						R/P	100287						5.47	0.03												X		
BLN-58	1	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	1VEMPHG2335 R1	FBEY	FH	021881						R/P	100287						8.44	0.06												X		
BLN-59	1	PSNF	A	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0541 R902	FBLW	FH	111081						AR	032488						16.00															
BLN-59	1	PSNF	B	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0541 R902	FBLW	FH	111081						AR	032488						16.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-59	1	PSNF	C	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0541 R902	FBLW	FH	111081						AR	032486						16.00															
BLN-59	1	PSNF	D	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0541 R902	FBLW	FH	111091						AR	032486						16.90															
BLN-59	1	PSNF	A	IIINF3	0.313	0.313	F/GRV	F/GRV	1KCMPHG0474 R904	FBLW	CT	103081						AR	032486						9.00					3.00					X					
BLN-59	1	PSNF	B	IIINF3	0.313	0.313	F/GRV	F/GRV	1KCMPHG0474 R904	FBLW	DS	111681						AR	032486						9.00					3.00					X					
BLN-59	1	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0474 R904	FBLW	CT	103081						AR	032486						16.00															
BLN-59	1	PSNF	D	IIINF3	0.250	0.250	FILLET	FILLET	1KCMPHG0474 R904	FBLW	TA	110481						AR	062486						16.00															
BLN-59	1	PSNF	ER1	IIINF3	N/A	N/A	GROOVE	G/FBEV	1KCMPHG0474 R904	FBLW	MPM	012965						AR	032486						12.00								ONE SIDE INACCESSABLE FOR VT							
BLN-59	1	PSNF	F	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0474 R904	FBLW	TA	110481						AR	032486						12.08								3" INACCESSABLE FOR CLEANING							
BLN-59	1	PSNF	G	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0474 R904	FBLW	TA	110481						AR	032486						12.00								3" INACCESSABLE FOR CLEANING							
BLN-59	1	PSNF	H	IIINF3	0.188	0.188	F/GRV	F/FBEV	1KCMPHG0474 R904	FBLW	FH	111081						AR	032486						9.00															
BLN-59	1	PSNF	I	IIINF3	0.188	0.188	F/GRV	F/FBEV	1KCMPHG0474 R904	FBLW	FH	111091						AR	062486						9.00															
BLN-59	1	PSNF	J	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0474 R904	FBLW	TA	110481						AR	032486						12.60															
BLN-59	1	PSNF	K	IIINF3	0.188	0.188	FILLET	FILLET	1KCMPHG0474 R904	FBLW	TA	110481						AR	032486						12.00															
BLN-59	1	PSNF	L	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FCRA	GP	090484						AR	032486						6.50															
BLN-60	1	PSNF	M	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FCRA	GP	090484						AR	032486						6.50															
BLN-59	1	PSNF	N	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FBHV	DS	070886						AR	032486						6.50															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE DYY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-59	1	PSNF	O	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FCRA	RW	2583						AR	032 7						6.50															
BLN-59	1	PSNF	P	IIINF3	N/A	N/A	GROOVE	G/FBEV	1KCMPHG0474 R904	FBLW	DS	[illegible]						AR	032 7						12.00															
BLN-59	1	PSNF	O	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FCRA	MM	2783						AR	032 7						6.90															
BLN-59	1	PSNF	R	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FCRA	MM	2783						AR	032 7						6.00															
BLN-59	1	PSNF	S	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FCRA	MM	76						AR	032 7						6.90															
BLN-50	1	PSNF	T	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FCRA	MM	780						AR	032 7						6.00															
BLN-50	1	PSNF	US1	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FAKP	JB	020780						AR	032 7						6.50															
BLN-59	1	PSNF	V	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FAKP	JB	01 882						AR	032 7						6.50															
BLN-59	1	PSNF	W	IIINF3	N/A	N/A	GROOVE	FBEV	1KCMPHG0474 R904	FAKP	AJ	1						AR	032 7						11.00															
BLN-59	1	PSNF	X	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FAKP	JB	01 780						AR	032 7						0.50															
BLN-59	1	PSNF	Y	IIICL3	N/A	N/A	GROOVE	GROOVE	1KCMPHG0474 R904	FAKP	JB	01 385						AR	032 7						6.50															
BLN-59	1	PSNF	Z	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FAKP	AJ							AR	032 7						8.00															
BLN-59	1	PSNF	AA	IIINF3	0.313	0.313	FILLET	FILLET	1KCMPHG0474 R904	FAKP	AJ							AR	032 7						6.00															
BLN-50	1	PSNF	A	IIINF3	0.168	0.158	FILLET	FILLET	1WDMPHG0198 R901	FBUC	SF							R/P	001587						14.90															
BLN-60	1	PSNF	B	IIINF3	0.168	0.168	FILLET	FILLET	1WDMPHG0168 R901	FBUC	SF	0401						R/P	001[illegible]						14.00															
BLN-60	1	PSNF	C	IIINF3	0.168	0.168	FILLET	FILLET	1WDMPNG0168 R901	FBUC	SF							R/P	091[illegible]						14.90															

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BLN-60	1	PSNF	D	IIINF3	0.188	0.188	FILLET	FILLET	1WDMPHG0168 R901	FBUC	SF	040182						R/P	081587						14.00															
BLN-60	1	PSNF	E	IIINF3	0.250	0.250	FILLET	FILLET	1WDMPHG0168 R001	FBUC	SF	040182						R/P	081587						24.80															
BLN-60	1	PSNF	F	IIINF3	0.250	0.250	F/GRV	F/FBEV	1WDMPHG0168 R901	FBUC	SF	040682						R/P	001587						24.00															
BLN-60	1	PSNF	G	AISC	0.250	0.250	FILLET	FILLET	1WDMPHG0168 R901		SF	040682						CF	092387						18.00															
BLN-60	1	PSNF	H	AISC	0.250	0.250	FILLET	FILLET	1WDMPHG0168 R901		SF	040682						CP	092387						15.00					3.00						X				
BLN-61	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R2	FBPW	BS	082781						AR	032486						4.00															
BLN-61	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	032781						AR	032486						18.80															
BLN-61	0	PSNF	B	IIINF3	0.250	0.250	F/GRV	F/FBEV	SKCVKMPHG0679F R4	FBPW	BS	082181						AR	032486						18.00															
BLN-61	0	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082481						AR	032486						16.00															
BLN-61	0	PSNF	D	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082481						AR	032486						10.00															
BLN-61	0	PSNF	E	IIINF3	N/A	N/A	GROOVE	GROOVE	SKOVKMPHG0679F R4	FBPW	BS	082761						AR	032486						2.80															
BLN-61	0	PSNF	F	IIINF3	N/A	N/A	GROOVE	GROOVE	SKOVKMPHG0679F R4	FBPW	BS	082761						AR	032486						2.00															
BLN-61	0	PSNF	G	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082781						AR	082486						2.00															
BLN-61	0	PSNF	H	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082781						AR	032486						2.80															
BLN-61	0	PSNF	I	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	092581						AR	032486						4.50															
BLN-61	0	PSNF	JR1	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082681						AR	032486						4.50															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-61	0	PSNF	K	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082581						AR	032488						4.50															
BLN-61	0	PSNF	L	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082581						AR	032488						4.50															
BLN-61	0	PSNF	MR1	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0679F R4	FBPW	BS	082781						AR	032488						17.00															
BLN-62	0	PSNF	A	IIINF3	0.250	0.250	F/GRV	F/GRV	SKOVKMPHG0717F R5	FAEZ	GL	080481						R/P	091687						16.00															
BLN-62	0	PSNF	B	IIINF3	0.250	0.250	F/GRV	F/GRV	SKOVKMPHG0717F R5	FAEZ	GL	080581						R/P	091687						16.00															
BLN-62	0	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	DM	072581						R/P	091687						16.00															
BLN-62	0	PSNF	D	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0717F R5	FAEZ	DM	072581						R/P	091687						15.75					0.25					X				X	
BLN-62	0	PSNF	E	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0717F R5	FAEZ	DM	072581						R/P	091687						16.00															
BLN-62	0	PSNF	F	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0717F R5	FAEZ	DM	072581						R/P	091687						16.06															
BLN-62	0	PSNF	G	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0717F R5	FAEZ	DM	072581						R/P	091687						16.00															
BLN-62	0	PSNF	H	IIINF3	0.500	0.500	GROOVE	GROOVE	SKOVKMPHG0717F R5	FAEZ	GL	080481						R/P	091687						2.00															
BLN-62	0	PSNF	J	IIINF3	0.500	0.500	GROOVE	GROOVE	SKOVKMPHG0717F R5	FAEZ	GL	080481						R/P	091687						2.00															
BLN-62	0	PSNF	K	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080481						R/P	091687						2.00															
BLN-62	0	PSNF	M	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080481						R/P	091687						2.00															
BLN-62	0	PSNF	N	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080581						R/P	091687						4.50															
BLN-62	0	PSNF	P	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080581						R/P	091687						4.50															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INSP BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INSP BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INSP BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INSP BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-62	0	PSNF	Q	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080581						R/P	091687						4.50															
BLN-62	0	PSNF	R	B31.1	0.250	0.250	FILLET	FILLET	SKOVKMPHG0717F R5	FAEZ	GL	080581						R/P	091687						4.50															
BLN-63	0	PSNF	A	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						12.09															
BLN-63	0	PSNF	B	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						2.00															
BLN-63	6	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						2.00															
BLN-63	0	PSNF	D	IIINF3	0.500	0.500	GROOVE	GROOVE	SKCVKMPHG0733F R3	FCHT	MD	050983						R/P	091687						2.00															
BLN-63	0	PSNF	E	IIINF3	0.500	0.500	GROOVE	GROOVE	SKOVKMPHG0733F R3	FCHT	MD	050983						R/P	091687						2.09															
BLN-63	0	PSNF	F	B31.1	0.125	0.125	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						4.25															
BLN-63	0	PSNF	G	B31.1	0.125	0.125	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						4.25															
BLN-63	0	PSNF	H	B31.1	0.125	0.125	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						4.25															
BLN-63	0	PSNF	J	B31.1	0.125	0.125	FILLET	FILLET	SKOVKMPHG0733F R3	FCHT	MD	051083						R/P	091687						4.00	0.25												X		
BLN-63	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SKOVKMPHG0732F R3	FCHT	MD	050483						WP	100287						12.00															
BLN-63	0	PSNF	B	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0732F R3	FCHT	MD	050583						WP	100287						11.37	6.63												X		
BLN-63	0	PSNF	C	IIINF3	0.250	0.250	F/FBEV	F/FBEV	SKOVKMPHG0732F R3	FCHT	MD	051083						WP	100287						13.25	0.75												X		
BLN-63	0	PSNF	D	IIINF3	6.250	0.250	FILLET	FILLET	SKOVKMPHG0732F R3	FCHT	MD	051083						WP	100287						4.09															
BLN-64	0	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	OVKMPHG0761F R2	FCIQ	MD	111381						R/P	091687						9.00															

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BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-64	0	PSNF	B	IIINF3	0.250	0.250	F/FBEV	F/FBEV	0VKMPHG0761F R2	FCIQ	MD	111381						R/P	091687						12.00															
BLN-64	0	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.00															
BLN-64	0	PSNF	D	IIINF3	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.00															
BLN-64	0	PSNF	E	IIINF3	0.500	0.500	GROOVE	GROOVE	0VKMPHG0761F R2	FCIQ	MD	111381						R/P	091687						2.00															
BLN-64	0	PSNF	F	IIINF3	0.500	0.500	GROOVE	GROOVE	0VKMPHG0761F R2	FCIQ	MD	111381						R/P	091687						2.00															
BLN-64	0	PSNF	G	B31.1	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.25															
BLN-64	0	PSNF	H	B31.1	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.12		0.13											X		
BLN-64	0	PSNF	J	B31.1	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.25															
BLN-64	0	PSNF	K	B31.1	0.250	0.250	FILLET	FILLET	0VKMPHG0761F R2	FCIQ	ZR	111681						R/P	091687						2.25															
BLN-65	1	PS	A	AISC	0.375	0.375	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031588						12.00															
BLN-65	1	PS	B	AISC	0.250	0.250	F/GRV	F/FBEV	1SAMPHG4134 R2		JH	040682						RMC	031588						14.00															
BLN-65	1	PS	AA	AISC	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031588						2.00															
BLN-65	1	PS	BB	AISC	N/A	0.500	GROOVE	GROOVE	1SAMPHG4134 R2		JH	040682						RMC	031588						2.00															
BLN-65	1	PS	CC	AISC	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031588						2.00															
BLN-65	1	PS	DD	AISC	N/A	0.500	GROOVE	GROOVE	1SAMPHG4134 R2		JH	040682						RMC	031588						2.00															
BLN-65	1	PS	EE	B31.1	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031588						4.50															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-65	1	PS	FF	B31.1	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031586						4.50															
BLN-65	1	PS	GG	B31.1	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	031586						4.50															
BLN-63	1	PS	HH	B31.1	0.250	0.250	FILLET	FILLET	1SAMPHG4134 R2		JH	040682						RMC	051586						4.50															
BLN-66	1	PS	A	AISC	0.500	0.250	FILLET	FILLET	SK1SAMPHG5425 R1		NA	031485						EFH	091487											12.06				X					
BLN-66	1	PS	B	AISC	0.438	0.250	FILLET	FILLET	SK1SAMPHG5425 R1		NA	031485						EFH	091487						4.00															
BLN-66	1	PS	C	AISC	0.313	0.250	FILLET	FILLET	SK1SAMPHG5425 R1		NA	031485						EFH	091487						4.00															
BLN-66	1	PS	A	AISC	0.313	0.250	FILLET	FILLET	SK1SAMPHG5422 R1		NA	031485						MDD	041286						6.50															
BLN-66	1	PS	B	AISC	0.375	0.250	FILLET	FILLET	SK1SAMPHG5422 R1		NA	031485						MDD	041286						4.00															
BLN-66	1	PS	A	AISC	0.500	0.250	FILLET	FILLET	SK1SAMPHG5425 R1		NA	031485						MDD	041486						9.00					3.06				X					
BLN-66	1	PS	B	AISC	0.375	0.250	F/GRV	F/FBEV	SK1SAMPHG5425 R1		NA	031485						MDD	041486						12.00															
BLN-66	1	PS	C	AISC	6.375	0.250	FILLET	FILLET	SK1SAMPHG5423 R1		NA	031485						MDD	041486						4.00															
BLN-66	1	PS	A	AISC	0.313	0.250	FILLET	FILLET	SK1SAMPHG5424 R2		NA	031485						MDD	041286						4.00															
BLN-63	1	PS	B	AISC	0.500	N/A	F/GRV	FBEV	SK1SAMPHG5424 R2		NA	031485						MDD	041286						7.00					4.00				X					
BLN-63	1	PS	C	AISC	0.500	0.250	F/GRV	F/FBEV	SK1SAMPHG5424 R2		NA	031485						MDD	041286						9.00					3.00				X					
BLN-66	1	PS	D	AISC	0.375	0.250	FILLET	FILLET	SK1SAMPHG5424 R2		NA	031485						MDD	041286						16.00															
BLN-66	1	PS	E	AISC	0.375	0.250	FILLET	FILLET	SK1SAMPHG5424 R2		NA	031485						MDD	041286						16.06															

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BLN-67	1	PS	1123 N/S	AISC	0.375	0.375	FILLET	FILLET	4AWO043X2 4R9	FASD	DM	012981						RMC	093087						12.00															
BLN-67	1	PS	1123 F/S	AISC	0.375	0.375	FILLET	FILLET	4AWO843X2 4R6	FASD	DM	012981						RMC	093087						12.00															
BLN-67	1	PS	1124	AISC	0.500	0.500	FILLET	FILLET	4AWO843X2 4R6	FADP	BR	112580						RMC	093087						86.50															X
BLN-67	1	PS	1127	AISC	0.438	0.500	FILLET	FILLET	4AWO843X2 4R6	FASD	DM	012981						RMC	093087						86.77					11.00					X				
BLN-67	1	PS	1125	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FBPB	SG	072981						RMC	093087						21.04					5.00					X		X		X
BLN-67	1	PS	1125A	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FBPB	SG	072981						RMC	093087						27.00															
BLN-67	1	PS	1125 N/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FASD	DM	012981						RMC	093087						12.09															
BLN-67	1	PS	1126 F/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FASD	DM	012981						RMC	093087						12.09															
BLN-67	1	PS	A	AISC	N/A	N/A	GROOVE	GROOVE	1SMMPHG0014 R8		SG	082382						RMC	093087						3.00															
BLN-67	1	PS	B	AISC	N/A	N/A	GROOVE	GROOVE	1SMMPHG0614 R8		SG	082382						RMC	093087						3.00															
BLN-67	1	PS	C	AISC	N/A	N/A	GROOVE	GROOVE	1SMMPHG0014 R8		SG	082382						RMC	093087						3.09															
BLN-67	1	PS	D	AISC	N/A	N/A	GROOVE	GROOVE	1SMMPHG0014 R8		SG	082382						RMC	093087						3.00															
BLN-67	1	PS	1128	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FBPB	SG	073081						RMC	093087						30.00											X				
BLN-67	1	PS	1128A	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6	FBPB	SG	073081						RMC	093087						30.00															
BLN-67	1	PS	XX10 N/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						177.09								NO FF FOUND				X			
BLN-67	1	PS	XX10 F/S	AISC	0.250	0.250	FILLET	FILLET	4AWO043X2 4R6									RMC	093087						177.00								NO FF FOUND				X			X

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBB=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
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EVALUATION RESULTS

A1=ACCEPT BY INSP
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REJECT CODE

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AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-67	1	PS	XX20 N/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						146.00							NO FF FOUND					X			
BLN-67	1	PS	XX20 F/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						146.00							NO FF FOUND					X			X
BLN-67	1	PS	XX30	AISC	0.375	0.375	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						68.00							NO FF FOUND								X
BLN-67	1	PS	XX50 N/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						30.00							NO FF FOUND					X			
BLN-67	1	PS	XX50 F/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						30.00							NO FF FOUND					X			X
BLN-67	1	PS	XX60 N/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						30.00							NO FF FOUND								X
BLN-67	1	PS	XX60 F/S	AISC	0.250	0.250	FILLET	FILLET	4AWO843X2 4R6									RMC	093087						30.00							NO FF FOUND								X
BLN-66	1	PS	A TO H	AISC	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		SM	041985						RMC	092187						86.00															
BLN-66	1	PS	HOR I TO P	AISC	N/A	N/A	G/FBEV	FBEV	1SVMPHG0172 R3		SM	041985						RMC	092187						46.00															
BLN-65	1	PS	VER I TO P	AISC	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		SM	041985						RMC	092187						46.00															
BLN-66	1	PS	Q TO FF	AISC	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		JRW	032585						RMC	092187						86.00															
BLN-63	1	PS	O TO FF	AISC	N/A	N/A	FBEV	FBEV	1SVMPHG0172 R3		JRW	032585						RMC	092197						86.00															
BLN-63	1	PS	GG, TO, JJ	AISC	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		PW	031385						RMC	092187						120.00															
BLN-68	1	PS	KK,LL	B31.1	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		PW	031385						RMC	092187						104.00															
BLN-68	1	PS	MM,NN	AISC	0.250	0.250	FILLET	FILLET	1SVMPHG0172 R3		PW	040985						RMC	092187						46.00															
BLN-68	1	PS	OO,PP	AISC	0.313	0.313	F/GROV	F/GROV	1SVMPHG0172 R3		PW	040985						RMC	092187						46.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-68	1	PS	QQ,RR	AISC	0.500	0.500	FILLET	FILLET	1SVMPHG0172 R3		PW	040985						RMC	092187						20.00															
BLN-69	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	SK1VCMPHG001F RO		RB	030586						RMC	091587						9.06															
BLN-69	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	SK1VCMPHG001F RO		RB	030586						RMC	091587						12.09															
BLN-70	1	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	080481						AR	032988						22.75	0.50				0.75				X				X		
BLN-70	1	PSNF	B	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	082381						AR	032988						15.75	0.25												X		
BLN-70	1	PSNF	C	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	082481						AR	032988						16.00															
BLN-70	1	PSNF	D	IIINF3	0.250	0.250	F/GRV	F/GRV	SK1VEMPHG1310 R3	FBZU	MT	080481						AR	032988						18.00															
BLN-70	1	PSNF	E	IIINF3	0.250	0.250	F/GRV	F/GRV	SK1VEMPHG1310 R3	FBZU	MT	080481						AR	032988						16.00															
BLN-70	1	PSNF	F	IIINF3	0.500	0.500	GROOVE	GROOVE	SK1VEMPHG1310 R3	FBZU	MT	091281						AR	032988						2.50															
BLN-70	1	PSNF	G	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	081281						AR	032988						2.50															
BLN-70	1	PSNF	H	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	081281						AR	032988						2.44	0.00												X		
BLN-70	1	PSNF	J	IIINF3	0.500	0.500	GROOVE	GROOVE	SK1VEMPHG1310 R3	FBZU	MT	081281						AR	032988						2.00					0.50				X						
BLN-70	1	PSNF	KR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	091881						AR	032988						4.50															
BLN-70	1	PSNF	LR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	001061						AR	032988						4.50															
BLN-70	1	PSNF	MR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	091881						AR	032988						4.50															
BLN-70	1	PSNF	NR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	091881						AR	032988						4.50															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-70	1	PSNF	P	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1310 R3	FBZU	MT	072681						AR	032988						26.06															
BLN-70	1	PSNF	Q	IIINF3	N/A	N/A	GROOVE	FBEV	SK1VEMPHG1310 R3	FCEA	MH	011283						AR	032988						40.00															
BLN-70	1	PSNF	R	IIINF3	N/A	N/A	GROOVE	FBEV	SK1VEMPHG1316 R3	FCEA	MH	011283						AR	032988						26.00															
BLN-70	1	PSNF	A	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	091281						AR	032988						2.09															
BLN-70	1	PSNF	B	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	081281						AR	032988						2.09															
BLN-70	1	PSNF	C	IIINF3	0.500	0.500	GROOVE	GROOVE	SK1VEMPHG1311 R1	FBZU	MT	091251						AR	032988						2.00															
BLN-70	1	PSNF	D	IIINF3	0.500	0.500	GROOVE	GROOVE	SK1VEMPHG1311 R1	FBZU	MT	061281						AR	032988						2.00															
BLN-70	1	PSNF	E	IIINF3	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	091091						AR	032988						26.06															
BLN-70	1	PSNF	F	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	051381						AR	032988						4.50															
BLN-70	1	PSNF	G	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	081381						AR	032988						4.50															
BLN-70	1	PSNF	HR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	061981						AR	032988						4.50															
BLN-70	1	PSNF	JR1	B31.1	0.250	0.250	FILLET	FILLET	SK1VEMPHG1311 R1	FBZU	MT	091681						AR	032988						4.50															
BLN-71	1	PS	A	AISC	0.313	0.313	FILLET	FILLET	1VUMPHG0156 R2		SG	061684						RMC	091587						15.00															
BLN-71	1	PS	B	AISC	0.250	0.186	FILLET	FILLET	1VUMPHG0156 R2		SG	081684						RMC	091587						11.00															
BLN-71	1	PS	C	AISC	N/A	N/A	GROOVE	GROOVE	1VUMPHG0156 R2		SG	081684						RMC	091587						2.09															
BLN-72	1	PS	A	AISC	0.250	0.168	FILLET	FILLET	1WEMPHG0027 RO		MJ	080686						MDD	091587						19.06															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-73	1	PS	A	AISC	0.375	0.250	FILLET	FILLET	1WWMPHG0199F R1		TH	051884						MDD	091687						6.00															
BLN-73	1	PS	B	AISC	0.250	0.250	F/FBEV	F/FBEV	1WWMPHG0199F R1		TH	051884						MDD	091687						6.00															
BLN-74	1	PS	A	B31.1	0.250	0.250	FILLET	FILLET	1VUMPHG0500 R3		SG	082384						RMC	001487						9.00															
BLN-75	2	PS	A S1	AISC	0.250	0.250	FILLET	FILLET	2GNMPHG0330F R2		MS	011582						EFH	091487						3.00															
BLN-75	2	PS	A2,A3,A4S1	AISC	0.313	0.250	FILLET	FILLET	2GNMPHG0330F R2		MS	011582						EFH	091487						9.00															
BLN-75	2	PS	B S1	AISC	0.313	0.250	FILLET	FILLET	2GNMPHG0330F R2		MS	011582						EFH	091487						8.00															
BLN-75	2	PS	C S1	AISC	0.250	0.188	FILLET	FILLET	2GNMPHG0330F R2		MS	011582						EFH	091487						6.06															
BLN-76	2	PS	A	AISC	0.250	0.250	FILLET	FILLET	2RHMPHG0181F R2		JH	020382						RMC	092687						16.00															
BLN-76	2	PS	B	AISC	0.250	0.250	F/GRV	F/FBEV	2RHMPHG0181F R2		JH	020382						RMC	092687						16.00															
BLN-76	2	PS	C	AISC	0.250	0.250	FILLET	FILLET	2RHMPHG0161F R2		JH	020382						RMC	092687						4.00															
BLN-76	2	PS	D	AISC	0.250	0.250	F/GRV	F/FBEV	2RHMPHG0161F R2		JH	020382						RMC	092687						16.09															
BLN-76	2	PS	E	AISC	0.250	0.250	FILLET	FILLET	2RHMPHG0161F R2		JH	020382						RMC	092687						16.00															
BLN-76	2	PS	F	AISC	0.250	0.250	F/GRV	F/FBEV	2RHMPHG0161F R2		JH	020382						RMC	092687						16.00															
BLN-76	2	PS	A	AISC	0.250	0.250	F/GRV	F/FBEV	2RHMPHG0100F R1		JH	020382						RMC	092687						16.06															
BLN-76	2	PS	B	AISC	0.250	0.250	FILLET	FILLET	2RHMPHG0130F R1		JH	020382						RMC	092687						4.00															
BLN-76	2	PS	A	AISC	0.250	0.250	FILLET	FILLET	2REMPHG0145F R1		JH	020382						RMC	092687						4.00															

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SLN-76	2	PS	A	AISC	0.250	0.250	F/GRV	F/FBEV	2REMPHG0144F R2		JH							RMC	09966						16.00															
BLN-76	2	PS	B	AISC	0.250	0.250	FILLET	FILLET	2REMPHG0144F R2		JH	263						RMC	09966						4.00															
BLN-77	1	PS	A1 N/S	AISC	0.250	0.188	FILLET	FILLET	1VJMPHG0056 R0		PW	263						SEA	09966						1.50															
BLN-77	1	PS	A2 F/S	AISC	0.250	0.188	FILLET	FILLET	1VJMPHG0056 R0		PW							SEA	09966						1.50															
BLN-77	1	PS	B	AISC	0.500	0.250	FILLET	FILLET	1VJMPHG0056 R0		PW							SEA	09966						16.00															
BLN-77	1	PS	C	AISC	0.500	0.250	FILLET	FILLET	1VJMPHG0056 R0		PW							SEA	09966						16.00															
BLN-78	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1WDMPHG0010 R3		VM	02166						SEA	09966						9.50															
BLN-78	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	1WDMPHG0010 R3		VM	021661						SEA	09966						11.50															
BLN-78	1	PS	C	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0010 R3		VM	021661						SEA	09966						10.00															
BLN-79	1	PS	A	AISC	0.313	0.313	FILLET	FILLET	1WDMPHG0076 1R2		JC	051261						RMC	09966						24.00															
BLN-79	1	PS	B	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	051261						RMC	09966						12.00															
BLN-79	1	PS	C	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	051261						RMC	09966						12.00															
BLN-79	1	PS	D	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	05626						RMC	09166						6.00															
BLN-79	1	PS	E	AISC	0.313	0.313	FILLET	FILLET	1WDMPHG0076 1R2		JC	05626						RMC	09166						16.00															
BLN-79	1	PS	F	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	05626						RMC	09166						4.00															
BLN-79	1	PS	G	AISC	N/A	N/A	GROOVE	FBEV	1WDMPHG0076 1R2		JC	05626						RMC	09166						8.00															

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PSNF=NF PIPE SPT
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CS=CONDUIT SPT
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EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
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F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-79	1	PS	H	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	051261						RMC	001687						4.00																
BLN-79	1	PS	I	AISC	N/A	N/A	GROOVE	FBEV	1WDMPHG0076 1R2		JC	051261						RMC	091887						6.00																
BLN-79	1	PS	J	AISC	0.188	0.188	FILLET	FILLET	1WDMPHG0076 1R2		JC	051261						RMC	091887						15.00																
BLN-80	2	PS	A	AISC	0.250	0.250	FILLET	FILLET	2GNMPHG0339F R3		MP	091883						EFH	001487						12.00																
BLN-80	2	PS	B1	AISC	0.500	0.250	FILLET	FILLET	2GNMPHG0339F R3		MP	001883						EFH	091487											2.00				X						
BLN-80	2	PS	B2	AISC	0.438	0.250	FILLET	FILLET	2GNMPHG0339F R3		MP	031883						EFH	091487						2.00																
BLN-81	1	IPS	A1,A2,A3	AISC	0.375	0.250	FILLET	FILLET	4BA0570X2 9R4		SG	011284						EFH	001387						9.00																
BLN-81	1	IPS	A4	AISC	0.375	0.250	FILLET	FILLET	4BA0570X2 9R4		SG	011284						EFH	091387						3.00										X						
BLN-81	1	IPS	B1	AISC	0.130	N/A	F/FGRV	FBEV	4BA0570X2 9R4		SG	011284						EFH	091387						6.00																
BLN-82	1	IPS	A	AISC	0.438	0.250	FILLET	FILLET	4BA0895X2 4R1		JW	011684						CAF	091587						16.00																
BLN-82	1	IPS	B	AISC	0.313	0.188	FILLET	FILLET	4BA0895X2 4R1		JW	011684						CAF	091587						16.00																
BLN-82	1	IPS	C	AISC	0.130	N/A	F/FBEV	FBEV	4BA0895X2 4R1		JW	011684						CAF	091587						12.00																
BLN-82	1	IPS	D	AISC	0.130	N/A	F/FBEV	FBEV	4BA0895X2 4R1		JW	011684						CAF	091587						12.00																
BLM-82	1	IPS	A	AISC	0.375	0.250	FILLET	FILLET	4BA0895X2 3R2		MD	011083						EFH	091387						16.00																
BLN-83	1	IPS	B	AISC	0.375	0.188	FILLET	FILLET	4BA0895X2 3R2		MD	011083						EFH	091387						10.00																
BLN-83	1	IPS	C	AISC	0.250	N/A	F/FGRV	FBEV	4BA0895X2 3R2		MD	011083						EFH	001387						12.00					8.00						X				

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-84	1	IPS	A	AISC	0.313	0.250	FILLET	FILLET	4BA0895X2 3R2		TH	012063					EFH	091287					16.00															
BKN-84	1	IPS	B	AISC	0.188	0.188	FILLET	FILLET	4BA0895X2 3R2		TH	012063					EFH	091287					10.00															
BLN-84	1	IPS	C	AISC	0.125	N/A	FILLET	FBEV	4BA0895X2 3R2		TH	012063					EFH	091287					20.00															
BLN-85	1	IPS	A	AISC	0.313	0.250	FILLET	FILLET	4BA0895X2 3R2		MD	011383					EFH	091287					18.00															
BLN-85	1	IPS	B	AISC	0.250	0.188	FILLET	FILLET	4BA0895X2 3R2		MD	011383					EFH	091287					16.00															
BLN-85	1	IPS	C	AISC	0.125	N/A	FILLET	FBEVEL	4BA0895X2 3R2		MD	011383					EFH	091287					20.00															
BLN-86	1	IPS	A N/S	AISC	0.125	N/A	FBEV	FBEV	4BA0570X2 27R2		JW	080585					CAF	092387										4.00					X					
BLN-86	1	IPS	A F/S	AISC	0.125	N/A	FBEV	FBEV	4BA0570X2 27R2		JW	080585					CAF	092387										4.00					X					
BLN-86	1	IPS	B N/S	AISC	0.125	N/A	FBEV	FBEV	4BA0570X2 27R2		JW	080585					CAF	092387										4.00					X					
BLN-86	1	IPS	B F/S	AISC	0.125	N/A	FBEV	FBEV	4BA0570X2 27R2		JW	080585					CAF	092387										4.00					X					
BLN-87	1	IPS	A	AISC	0.250	0.250	FILLET	FILLET	4BA0895X2 4R1		DH	081982					EFH	091387					16.00															
BLN-87	1	IPS	B1	AISC	0.188	0.188	FILLET	FILLET	4BA0895X2 4R1		DH	081982					EFH	091387					1.00					3.00									X	
BLN-87	1	IPS	B2,B3,B4	AISC	0.188	0.188	FILLET	FILLET	4BA0895X2 4R1		DH	081982					EFH	091387					12.00															
BLN-87	1	IPS	C	AISC	0.188	N/A	F/FGROO	FBEV	4BA0895X2 4R1		OH	081982					EFH	091307					12.00															
BLN-83	1	IPS	A	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 4R2		RW	091084					SEA	091887					8.00															
BLN-80	1	IPS	B1	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 26R0		RW	091084					SEA	091887					4.97	0.38												X		

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MD YY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-65	1	IPS	B2	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 26R0		RW	091						SEA	001687						5.25															
BLN-68	1	IPS	C	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 4R2		RW	091						SEA	001 7						5.00															
BLN-68	1	IPS	D	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 4R2		RW	091 1						SEA	091 7						5.00															
BLN-82	1	IPS	A	AISC	0.250	0.250	FILLET	FILLET	4BA0570X2 9R4		RW	072683						SEA	091687						12.00												X			
BLN-88	1	IPS	B	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 9R4		RW	072683						SEA	091687						5.00															
BLN-89	1	IPS	C	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 9R4		RW	072683						SEA	091687						5.00															
BLN-88	1	IPS	D	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 9R4		RW	072284						SEA	091387						10.00															
BLN-86	1	IPS	E	AISC	N/A	N/A	FBEV	FBEV	4BA0570X2 9R4		RW	072284						SEA	091687						5.00															
BLN-00	1	IPS	A	AISC	0.375	0.250	FILLET	FILLET	4BA0570X2 9R4		RC	090284						CAF	001687						12.00															
BLN-00	1	IPS	B1,B2	AISC	0.188	N/A	FBEV	FBEV	4BA0570X2 9R4		RC	090684						CAF	091 7						6.00															
BLN-00	1	IPS	C1,C2	AISC	0.125	N/A	FBEV	FBEV	4BA0570X2 9R4		RC	090684						CAF	091687						6.00															
BLN-90	1	IPS	D1,D2	AISC	0.188	N/A	FBEV	FBEV	4BA0570X2 9R4		RC	090684						CAF	091 7						0.00															
BLN-91	0	CTS	A	AISC	0.250	0.250	FILLET	FILLET	4AW0882X2 3R14	IAFA	JS	11 684						MDD	04 587						16.00															
BLN-91	0	CTS	B	AISC	0.188	N/A	FILLET	BUTT	4AW0882X2 3R14	IABI	RE	070983						MDD	7						4.00															
BLN-91	0	CTS	C	AISC	N/A	N/A	GROOVE	BUTT	4AW0882X2 3R14	IABI	RE	070983						MDD	7						15.25															
BLN-91	0	CTS	D	AISC	0.250	0.250	FILLET	FILLET	4AW0882X2 3R14	IAFA	JS	110983						MDD	04 7						16.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-92	0	CTS	12753(A)	AISC	0.313	0.313	FILLET	FILLET	4AW0884X2 14R11	EABX	DC	081676						RMC	091587						20.00															
BLN-92	0	CTS	B-N/S(BP)	AISC	N/A	N/A	GROOVE	GROOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	B-F/S(BP)	AISC	N/A	N/A	GROOVE	GROOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	B-HORIZ	AISC	0.313	0.313	FILLET	FILLET	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	C-N/S(BP)	AISC	N/A	N/A	GROOVE	GROOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						4.50					1.30							X			
BLN-92	0	CTS	C-F/S(BP)	AISC	N/A	N/A	GROOVE	GROOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						0.00															
BLN-92	0	CTS	C-HORIZ	AISC	0.313	0.313	FILLET	FILLET	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	D-N/S(BP)	AISC	N/A	N/A	GROOVE	GROOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	D-F/S(BP)	AISC	N/A	N/A	GROOVE	GRDOVE	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						0.00															
BLN-92	0	CTS	D-HORIZ	AISC	0.313	0.313	FILLET	FILLET	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						6.00															
BLN-92	0	CTS	E	AISC	0.313	0.188	FILLET	FILLET	4AW0884X2 14R11	EAAK	JB	032576						RMC	091587						20.00															
BLN-93	2	CTS	15116	AISC	0.250	0.250	FILLET	FILLET	4AW0884X2 17R9	IAJN	RLE	121276						MDD	092487						12.00															
BLN-93	2	CTS	15117	AISC	0.250	0.250	FILLET	FILLET	4AW0884X2 17R9	IAJN	RLE	121276						MDD	092487						6.00					6.00							X			
BLN-93	2	CTS	ST-ST	AISC	N/A	N/A	BUTT	BUTT	4AW0884X2 17R9									MDD	092487						12.00															
BLN-04	1	CTS	ORV16445 A	AISC	0.250	0.250	FILLET	FILLET	4AW0885X2 10R14	EAER	SB	081576						RMC	091687						9.00															
BLN-04	1	CTS	ORV16445 B	AISC	N/A	N/A	GROOVE	BUTT	4AW0885X2 10R14	EAER	SB	081576						RMC	091687						13.50					1.50							X			

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BLN-95	1	CTS	17951A	AISC	0.313	0.313	FILLET	FILLET	4AW0895X2 11R11	EAEQ	SB	11						RMC	687						34.09					4.00							X			
BLN-95	1	CTS	ORV17951	AISC	0.375	0.438	FILLET	FILLET	4AW0895X2 11R11	EAEQ	SB	1122						RMC	7											24.00					X					
BLN-95	1	CTS	XX-20	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			1						RMC	7						11.00							5" NOT ACCESSABLE								
BLN-95	1	CTS	XX-30	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			883						RMC	487						11.00							5" NOT ACCESSABLE								
BLN-95	1	CTS	XX-40	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			883						RMC	487						10.87					0.13		5" NOT ACCESSABLE					X			
BLN-95	1	CTS	XX-50	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			883						RMC	487						10.94					0.06		5" NOT ACCESSABLE					X			
BLN-95	1	CTS	XX-60	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			284						RMC	387						4.44					6.30		5" NOT ACCESSABLE		X	X		X			
BLN-95	1	CTS	XX-70	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 11R11			284						RMC	387						11.06							5" NOT ACCESSABLE								
BLN-95	1	CTS	XX-86	AISC	N/A	N/A	GROOVE	BUTT	4AW0895X2 11R11			284						RMC	387						10.62					0.38		5" NOT ACCESSABLE		X						
BLN-96	2	CTS	16382A	AISC	0.313	0.313	FILLET	FILLET	4AW0895X2 6R16	IAGW	SB	0918884						RMC	7						31.00															
BLN-95	2	CTS	16378	AISC	0.313	0.375	FILLET	FILLET	4AW0895X2 6R16	IAGW	SB	0918884						RMC	587											20.00					X					
BLN-95	2	CTS	XX-30	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 6R16			684						RMC	7						10.37					0.13		5.5" NOT ACCESSABLE					X			X
BLN-96	2	CTS	XX-40	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 6R16			684						RMC	587						10.31					0.19		5.5" NOT ACCESSABLE					X			
BLN-96	2	CTS	XX-50	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 6R16			063						RMC	7						10.50							5.5" NOT ACCESSABLE								X
BLN-96	2	CTS	XX-86	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 6R16			063						RMC	7						10.81					0.19		5.5" NOT ACCESSABLE					X			X
BLN-96	2	CTS	XX-70	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0895X2 6R16			063						RMC	7						10.31					0.19		5.5" NOT ACCESSABLE					X			X

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PBNF=NF PIPE SPT
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CS=CONDUIT SPT
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EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
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F/BEV=FILLET GN BEVEL
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EVALUATION RESULTS

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REJECT CODE

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-96	2	CTS	XX-80	AISC	0.188	0.188	F/GRV	F/FBEV	4AW0695X2 8R16									RMC	030688						10.31					0.19		5.5" NOT ACCESSABLE					X			X
BLN-96	2	CTS	XX-90	AISC	N/A	N/A	GROOVE	BUTT	4AW0695X2 8R16									RMC	030688						19.00															X
BLN-90	2	CTS	XX-100	AISC	N/A	N/A	GROOVE	BUTT	4AW0695X2 8R16									RMC	030688						22.00									X						X
BLN-96	2	CTS	XX-110	AISC	0.188	0.125	FILLET	FILLET	4AW0685X2 8R16									RMC	030688						5.50					0.50						X			
BLN-96	2	CTS	XX-120	AISC	0.188	0.125	FILLET	FILLET	4AW0685X2 8R16									RMC	030688						4.37					1.13						X			
BLN-96	2	CTS	16377	AISC	0.313	0.375	FILLET	FILLET	4AW0685X2 8R16	IAGW	SB	091876						RMC	030688											20.00					X	X			
BLN-96	2	CTS	16382A	AISC	0.313	0.313	FILLET	FILLET	4AW0695X2 8R16	IAGW	SB	091876						RMC	030688						31.00														
BLN-97	2	CTS	A(2718)	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 10R12	EACS	MJ	040282						RMC	031688						16.00														
BLN-97	2	CTS	B(2719)	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 10R12	EACS	MJ	040282						RMC	031688						16.00														
BLN-97	2	CTS	C(2720)	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 10R12	EACS	MJ	040282						RMC	031688						15.99	0.01										X			
BLN-97	2	CTS	D(2721)	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 10R12	EACS	MJ	040282						RMC	031688						16.00														
BLN-96	2	CTS	2RV3203R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.00														
BLN-96	2	CTS	2RV3204R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.00														
BLN-96	2	CTS	2RV3205R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.00														
BLN-96	2	CTS	2RV3206R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.00														
BLN-96	2	CTS	2RV3207R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.00														

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BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A5	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-95	2	CTS	2RV3208R1	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 6R7	EABG	AS	042380						RMC	031688						16.06															
BLN-96	2	CTS	2RV3657R1	AISC	0.313	0.313	FILLET	FILLET	4DW0760X2 3R5	EABX	RG	111082						RMC	092987						8.00															
BLN-99	2	CTS	2RV3654R1	AISC	0.313	0.313	FILLET	FILLET	4DW0760X2 3R5	EABX	RG	111082						RMC	092987						8.00															
BLN-99	2	CTS	2RV3652R1	AISC	0.313	0.313	FILLET	FILLET	4DW0760X2 3R5	EABX	RG	111082						RMC	092987						6.00															
BLN-99	2	CTS	2RV3647R1	AISC	0.313	0.313	FILLET	FILLET	4DW0760X2 3R5	EABX	RG	111082						RMC	092987						6.00															
BLN-99	2	CTS	2RV3647 B	AISC	0.313	0.313	F/GRV	F/GRV	4DW0760X2 3R5	EABX	NA	081882						RMC	092987						66.50	1.50											X			
BLN-100	2	CTS	2RV3720	AISC	0.188	0.313	FILLET	FILLET	4RW0540X2 12R21	EAFF	JP	012480						MDD	091587						8.00					6.00					X					
BLN-101	1	CS	A	AISC	0.313	0.313	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						18.00															X
BLN-101	1	CS	B	AISC	0.313	0.313	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						13.00															X
BLN-101	1	CS	C	AISC	0.313	0.313	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						18.00															
BLN-101	1	CS	D	AISC	0.313	0.313	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						13.00															
6LN-101	1	CS	EL	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 48R3									EDB	030188						8.00															X
BLN-101	1	CS	ER	AISC	N/A	N/A	GROCVE	FBEV	4RA0560X2 48R3									EDB	030188						8.00															
BLN-101	1	CS	PR	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						6.50		1.50													X
BLN-101	1	CS	PL	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						8.00															X
BLN-101	1	CS	X	AISC	0.188	0.188	FILLET	FILLET	4RA0560X2 48R3									EDB	030188						15.00					1.00							X			

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-101	1	CS	Y	AISC	0.188	0.188	FILLET	FILLET	4RA0560X2 48R3								EDB	030186					16.00															
BLN-101	1	CS	G	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 48R3								EDB	030186					39.75					0.25		CRATER								
BLN-101	1	CS	H	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 48R3								EDB	030186					39.50					0.50		CRATER					X			
BLN-101	1	CS	J	AISC	0.250	N/A	F/GRV	GROOVE	4RA0560X2 48R3								EDB	030186										3.00		FILLET REINFORCED								
BLN-101	1	CS	M	AISC	0.313	N/A	F/GRV	GROOVE	4RA0560X2 48R3								EDB	030186										22.00		FILLET REINFORCED								
BLN-101	1	CS	K	AISC	0.250	N/A	F/GRV	GROOVE	4RA0560X2 48R3								EDB	030186										3.00		FILLET REINFORCED								
BLN-101	1	CS	N	AISC	0.313	N/A	F/GRV	GROOVE	4RA0560X2 48R3								EDB	030186										22.00		FILLET REINFORCED								
BLN-102	1	CS	1	AISC	0.375	0.375	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					20.00															
BLN-102	1	CS	2	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					13.00															
BLN-102	1	CS	3	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					13.00															
BLN-102	1	CS	4	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					13.00															
BLN-102	1	CS	5	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					13.00															
BLN-102	1	CS	6	AISC	0.375	0.375	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					21.06															
BLN-102	1	CS	7	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					16.50															
BLN-102	1	CS	8	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					16.00															
BLN-102	1	CS	9	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					15.09															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A3	R1	COMMENTS	REJECT CODE LI	AS	WB	WL	UC	PO	LF	WSP
BLN-102	1	CS	10	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786					16.09																
BLN-102	1	CS	11	AISC	0.375	0.375	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					20.00																
BLN-102	1	CS	12	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					13.06																
BLN-102	1	CS	13	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786					13.00																
BLN-102	1	CS	14	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					13.00																
BLN-102	1	CS	15	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786					13.00																
BLN-102	1	CS	16	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					10.06																
BLN-102	1	CS	17	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032786					18.00																
BLN-162	1	CS	18	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					14.00																
BLN-102	1	CS	19	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786					13.09																
BLN-102	1	CS	20	AISC	0.375	0.375	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					20.00																
BLN-102	1	CS	21	AISC	0.375	0.375	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					21.00																
BLN-102	1	CS	22	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786					16.00																
BLN-162	1	CS	23	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					17.90																
BLN-102	1	CS	24	AISC	N/A	N/A	GROOVE	F/BEV	4RA0560X2 55R5									MDD	032786					15.00																
BLN-102	1	CS	25	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					16.50																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING ND	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	23	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						10.00															
BLN-102	1	CS	27	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						10.06															
BLN-102	1	CS	23	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						10.06															
BLN-162	1	CS	29	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						10.00															
BLH-102	1	CS	30	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032788						10.00															
BLN-102	1	CS	31	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	32	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	33	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	34	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	35	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	30	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	37	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	38	AISC	N/A	N/A	F/BEV	FBEV	4RA0560X2 55R5									MDD	032788						5.00								REPORTED FILLET IS A F/BEV								
BLN-102	1	CS	39	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						10.00															
BLN-102	1	CS	40	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032788						10.00															
BLN-102	1	CS	40A	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						10.00															

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	41	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					10.00															
BLN-102	1	CS	42	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					10.00															
BLN-102	1	CS	43	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					10.00															
BLN-102	1	CS	44	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	45	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	46	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	47	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	48	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	49	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	50	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					10.00															
BLN-102	1	CS	51	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	52	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5								MDD	032786					19.00															
BLN-102	1	CS	53	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5								MDD	032786					19.00							7" NOT ACCESSIBLE								
BLN-102	1	CS	54	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	55	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	55A	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					5.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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PSNF=NF PIPE SPT
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CS=CONDUIT SPT
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EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
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F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

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REJECT CODE

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WS-WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	56	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	56A	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	57	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						10.00															
BLN-102	1	CS	53	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786						10.00															
BLN-102	1	CS	59	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032786						10.00															
BLN-102	1	CS	60	AISC	.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	61	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032786						20.50															
BLN-102	1	CS	62	AISC	0.250	N/A	FILLET	GROOVE	4RA0560X2 55R5									MDD	032786						5.00							INTERPRETED-FILLETT OVER GROVE							
BLN-102	1	CS	63	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786						19.00															
BLN-102	1	CS	64	AISC	0.250	N/A	FILLET	GROOVE	4RA0560X2 55R5									MDD	032786						5.00							INTERPRETED-FILLETT OVER GROVE							
BLN-102	1	CS	65	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786						19.00															
BLN-102	1	CS	66	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	67	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	68	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															
BLN-102	1	CS	69	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032786						19.00							7" NOT ACESSIBLE							
BLN-102	1	CS	70	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032786						5.00															

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REJECT CODE

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WS-WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP DY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	71	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	72	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	73	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	74	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						8.00															
BLN-102	1	CS	75	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	76	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00								REPORTED AS 10" IN ERROR							
BLN-102	1	CS	77	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00								COVERED-INSP TR NOTED PRESENCE							
BLN-102	1	CS	79	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						15.00															
BLN-102	1	CS	80	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	81	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032788						19.00								7" NOT ACESSIBLE							
BLN-102	1	CS	82	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	83	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	84	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						10.00															
BLN-102	1	CS	85	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	87	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5									MDD	032788						5.00															
BLN-102	1	CS	88	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5									MDD	032788						19.00								7" NOT ACESSIBLE							

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
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EVALUATION RESULTS

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REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	89	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	90	AISC	N/A	N/A	GROOVE	GROOVE	4RA0560X2 55R5								MDD	032786					19.00							7" NOT ACCESIBLE								
BLN-102	1	CS	91	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	92	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	93	AISC	0.250	0.250	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	94	AISC	N/A	N/A	GROOVE	FBEV	4RA0560X2 55R5								MDD	032786					5.00															
BLN-102	1	CS	UW-G1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					55.00															
BLN-102	1	CS	UW-J1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					15.56															
BLN-102	1	CS	UW-L1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					34.00															
BLN-102	1	CS	UW-L2	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					40.00															
BLN-102	1	CS	UW-M1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					14.00															
BLN-102	1	CS	UW-M2	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					16.00															
BLN-102	1	CS	UW-M3	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					30.00															
BLN-102	1	CS	UW-R1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					31.25															
BLN-102	1	CS	UW-S1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					40.00															
BLN-102	1	CS	UW-S2	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5								MDD	032786					41.00															

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BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-102	1	CS	UW-K1	AISC	0.125	0.125	FILLET	FILLET	4RA0560X2 55R5									MDD	032786					22.50																
BLN-103	1	CS	A	AISC	0.313	0.313	FILLET	FILLET	4BA0692X2 54R4									CAF	100187					20.00																
BLN-103	1	CS	B	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 94R4									CAF	100187					15.00																
BLN-103	1	CS	C	AISC	0.125	0.125	FILLET	FBEV	4BA0692X2 54R4									CAF	100187					14.00																
BLN-104	2	CS	A 1&2	AISC	N/A	N/A	FSEV	FBEV	4BA0692X2 27R6									SEA	103067					6.00																
BLN-104	2	CS	B 1&2	AISC	N/A	N/A	FBEV	FSEV	4BA0692X2 27R6									SEA	103067					7.62		0.38												X		
BLN-104	2	CS	C 1THRU14	AISC	N/A	N/A	FBEV	FBEV	4BA0692X2 27R6									SEA	103067					33.00																
BLN-104	2	CS	D	AISC	N/A	N/A	GROOVE	GROOVE	4BA0692X2 27R6									SEA	103067					12.00																
BLN-104	2	CS	E	AISC	N/A	N/A	GROOVE	GROOVE	4BA0692X2 27R6									SEA	103067					12.00																
BLN-105	0	CS	XX-10	AISC	0.250	0.250	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	051486					14.31					0.19							X				
BLN-105	0	CS	XX-20	AISC	0.250	0.250	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					12.00																
BLN-105	0	CS	XX-30	AISC	0.250	0.250	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					14.31					0.19		SIZE CHECKED 2 SIDES ONLY					X				
BLN-105	0	CS	XX-40	AISC	0.250	0.250	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					11.87					0.13							X				
BLN-105	0	CS	XX-50	AISC	0.250	0.250	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					14.50																
BLN-105	0	CS	XX-60	AISC	0.188	0.188	F/GRV	F/BEV	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					15.67					0.13							X				
BLN-105	0	CS	XX-70	AISC	0.188	0.188	F/GRV	F/BEV	4BA0692X2 22R4	EAAW	GL	052681						RMC	031486					16.00																

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EVALUATION RESULTS

A1=ACCEPT BY INSP
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A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-105	0	CS	XX-60	AISC	0.188	0.185	F/GRV	F/BEV	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						9.00							3" NOT ACCESS FOR INSPECTION								
BLN-105	0	CS	XX-90	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						9.00							3" NOT ACCESS FOR INSPECTION								
BLN-105	0	CS	XX-100	AISC	0.188	0.188	F/GRV	F/BEV	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						9.00							3" NOT ACCESS FOR INSPECTION								
BLN-105	0	CS	XX-110	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						9.00							3" NOT ACCESS FOR INSPECTION								
BLN-105	0	CS	XX-120NS	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						15.50															
BLN-105	0	CS	XX-120FS	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						15.50															
BLN-105	0	CS	XX-130NS	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						15.50															
BLN-105	0	CS	XX-130FS	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						15.50															
BLN-105	0	CS	XX-140	AISC	0.188	0.188	F/GRV	F/GRV	4BA0692X2 22R4	EAAW	GL	052681						RMC	031488						16.00															
BLN-100	1	CS	A	AISC	0.375	0.375	FILLET	FILLET	4BA0692X2 64R4	EAAS	DM	040380						RMC	030188						20.00															
BLN-106	1	CS	B	AISC	0.138	0.188	FILLET	FILLET	4BA0692X2 64R4	EAAS	DM	040380						RMC	030188						15.00							1 OF 4 SIDES NOT ACCESSIBLE								
BLN-106	1	CS	C	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 64R4	EAAS	DM	040380						RMC	030188						10.50							1 OF 4 SIDES NOT ACCESSIBLE								X
BLN-100	1	CS	E	AISC	0.125	N/A	FILLET	FBEV	4BA0692X2 64R4	EAAS	DM	040380						RMC	030188						15.00															
BLN-186	1	CS	F	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 94R4	EAAS	DM	040380						RMC	030188						12.00															
BLN-106	1	CS	G	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 64R4	EAAS	DM	040380						RMC	030188						12.00															X
BLN-107	1	CS	A	AISC	0.250	0.188	FILLET	FILLET	4BA0692X2 13R0	EAAS	GL	120679						SEA	093087						12.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CASLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-107	1	CS	B	AISC	0.250	0.188	FILLET	FILLET	4BA0892X2 13R0	EAAS	GL	120679						SEA	093087						11.75					0.25							X			
BLN-107	1	CS	C	AISC	0.313	0.188	F/FBEV	F/FBEV	4BA0892X2 13R0	EAAS	GL	120679						SEA	093087						12.82					1.85		SLAG					X			
BLN-107	1	CS	D	AISC	0.250	0.188	FILLET	FILLET	4BA0892X2 13R0	EAAS	GL	120679						SEA	093087						14.12					0.30							X			
BLN-107	1	CS	E	AISC	0.125	0.125	FILLET	FILLET	4BA0892X2 13R0	EAAS	GL	120679						SEA	093087						12.50					20.50					X					
BLN-107	1	CS	F	AISC	0.125	0.125	FILLET	FILLET	4BA0892X2 13R0	EAAS	GL	120679						SEA	093087						24.00														
BLN-100	1	CS	A	AISC	0.313	0.313	FILLET	FILLET	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						20.00														
BLN-106	1	CS	B	AISC	0.188	0.188	F/GRV	F/GRV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						12.82					3.38		T.S. WALL GROUND <3/32					X			X
BLN-100	1	CS	C	AISC	N/A	N/A	FBEV	FBEV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						6.00														X
BLN-100	1	CS	D	AISC	N/A	N/A	FBEV	FBEV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						19.69					0.31		-						X		X
BLN-106	1	CS	E	AISC	N/A	N/A	FBEV	FBEV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						19.69					0.00		WELD LENGTH FRDM DWG				X		X		X
BLN-100	1	CS	F	AISC	0.188	0.188	FILLET	FILLET	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						18.87					2.13					X					
BLN-105	1	CS	G	AISC	N/A	N/A	FBEV	FBEV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						7.88														X
BLN-108	1	CS	H	AISC	N/A	N/A	FBEV	FBEV	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						19.63														
BLN-106	1	CS	K	AISC	0.188	0.188	FILLET	FILLET	4BA0892X2 45R5	EAAS	JB	063078						SEA	100187						20.00														
BLN-108	2	CS	A	AISC	N/A	N/A	GROOVE	FBEV	4BA0892X2 41R6									MDD	031488						5.00														
BLN-109	2	CS	B	AISC	N/A	N/A	GROOVE	FBEV	4BA0892X2 41R6									MDD	031488						5.00														

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-109	2	CS	C	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R6									MDD	031488						5.00															
BLN-109	2	CS	D	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R0									MDD	031488						5.00															
BLN-109	2	CS	E	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R6									MDD	031488						5.00															
BLN-109	2	CS	F	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R6									MDD	031488						5.00															
BLN-109	2	CS	G	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R8									MDD	031488						5.00															
BLN-109	2	CS	H	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 41R6									MDD	031488						5.00															
BLN-109	2	CS	W-W	AISC	0.250	0.313	FILLET	FILLET	4BA0692X2 41R6									MDD	031488											3.75					X					
BLN-109	2	CS	E-E	AISC	0.313	0.313	FILLET	FILLET	4BA0692X2 41R6									MDD	031488						3.75															
BLN-110	1	CS	A	AISC	0.375	0.375	FILLET	FILLET	4BA0692X2 31R2	EAAW	GL	051481						RMC	031268						16.00															
BLN-110	1	CS	B	AISC	0.250	0.250	F/GRV	F/GRV	4BA0692X2 31R2	EAAW	GL	051481						RMC	031268						12.00															
BLN-110	1	CS	C	AISC	N/A	N/A	F/GRV	FBEV	4BA0692X2 31R2	EAAW	GL	051481						RMC	031268						14.00															
BLN-110	1	CS	D	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 31R2	EAAW	GL	051481						RMC	081268						20.00					0.25						X			
BLN-110	1	CS	E	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 31R2	EAAW	GL	051481						RMC	031268						20.50															
BLN-110	1	CS	F	AISC	0.188	0.188	FILLET	FILLET	4BA0692X2 31R2	EAAW	GL	051481						RMC	031268						16.00															
BLN-111	1	EPS	XX-10	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 7R4	EAAW	GL	081979						RMC	022688						17.87					0.13						X			
DLN-111	1	EPS	XX-20	AISC	0.188	0.188	FILLET	FILLET	4RW0531X2 7R4	EAAW	GL	081979						RMC	022688						21.87					0.13						X			

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BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT SP BY	VT DATE MDDY	MT/PT MT PT	MT/PT NSP BY	MT/PT DATE MDDY	RT NSP BY	RT DATE MDDYY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT MT PT	MT/PT NSP BY	MT/PT DATE MDDY	RT NSP BY	RT DATE MDDYY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	W	SP
BLN-111	1	EPS	XX-30	AISC	N/A	N/A	GROOVE	GROOVE	1RW0531X2 7R4	FAAW	GL	0619						RMC							3.31					0.19								X			X
BLN-111	1	EPS	XX-40	AISC	0.125	0.125	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	0019						RMC	022688						19.87					0.13								X			X
BLN-111	1	EPS	XX-50	AISC	0.188	0.188	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06107						RMC	022688						12.09					4.00		OVERLAP, CONVEXITY									X
BLN-111	1	EPS	XX-60	AISC	0.188	0.188	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	0619						RMC	022688						18.00																X
BLN-111	1	EPS	XX-70	AISC	0.250	0.250	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	0619						RMC	022688						19.75					0.25							X				
BLN-111	1	EPS	XX-80	AISC	0.188	0.188	F/GRV	F/FBEV	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						11.87					0.13		3" INACCESIBLE					X				X
BLN-111	1	EPS	XX-90	AISC	0.188	0.188	F/GRV	F/FBEV	1RW0531X2 7R4	FAAW	GL	0619						RMC	022688						11.81					0.19											X
BLN-111	1	EPS	XX-100	AISC	0.188	0.188	F/GRV	F/FBEV	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						11.87					0.13											X
BLN-111	1	EPS	XX-110	AISC	0.250	0.250	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						18.00																
BLN-111	1	EPS	XX-120	AISC	0.125	0.125	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						20.09																
BLN-111	1	EPS	XX-130	AISC	0.188	0.188	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						18.00																
BLN-111	1	EPS	XX-140	AISC	0.188	0.188	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						22.00																
BLN-111	1	EPS	XX-150	AISC	N/A	N/A	GROOVE	GROOVE	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						3.50																
BLN-111	1	EPS	XX-160	AISC	0.188	0.188	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						16.00																X
BLN-111	1	EPS	XX-170	AISC	0.250	0.250	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	0619						RMC	022688						19.87					0.13											
BLN-111	1	EPS	XX-180	AISC	0.250	0.250	FILLET	FILLET	1RW0531X2 7R4	FAAW	GL	06197						RMC	022688						17.87					0.13											

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INSPEC PACK WP-C-	UNIT	DEB	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A6	A5	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-112	1	EPS	566	AISC	0.250	0.250	FILLET	FILLET	5AW0620RU16 R13	EADK	LM	052376						CAF	100267						140.00					4.00				X		X			X
BLN-112	1	EPS	507	AISC	0.250	0.250	FILLET	FILLET	5AW0620RU16 R13	EADK	LM	052376						CAF	100267						152.00														
BLN-112	1	EPS	566	AISC	0.125	0.250	FILLET	FILLET	5AW0620RU16 R13	EADK	LM	052376						CAF	100267											43.00				X	X				X
BLN-112	1	EPS	569	AISC	0.125	0.250	FILLET	FILLET	5AW0620RU16 R13	EADK	LM	052376						CAF	100267											43.00				X	X				X
BLN-113	2	EPS	632	AISC	0.125	0.168	FILLET	FILLET	5AW0620RU19 R4	EAFI	SB	012979						MDD	092487						215.50					55.00					X				
BLN-113	2	EPS	633	AISC	0.250	0.168	FILLET	FILLET	5AW0620RU19 R4	EAFI	SB	012979						MDD	092487						20.00														
BLN-113	2	EPS	634	AISC	0.168	0.168	FILLET	FILLET	5AW0620RU19 R4	EAFI	SB	012979						MDD	092487						240.50					30.00					X				
BLN-113	2	EPS	635	AISC	0.500	0.168	FILLET	FILLET	5AW0620RU19 R4	EAFI	SB	012079						MDD	092487											20.00					X				
BLN-114	2	EPS	A	AISC	N/A	N/A	F/GRV	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						4.00														
BLN-114	2	EPS	B	AISC	N/A	N/A	F/GRV	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						4.00														
BLN-114	2	EPS	C	AISC	N/A	N/A	F/GRV	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						4.00														
BLN-114	2	EPS	D	AISC	N/A	N/A	F/GRV	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						4.00														
BLN-114	2	EPS	E	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						17.75														
BLN-114	2	EPS	F	AISC	N/A	N/A	GROOVE	FBEV	4BA0692X2 51R3	EAFT	RG	010965						MDD	031488						19.25														
BLN-115	1	EPS	A	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 51R3									RMC	030788						3.87					0.13						X			
BLN-115	1	EPS	B	AISC	0.125	0.125	FILLET	FILLET	4BA0692X2 51R3									RMC	030788						4.00														

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A5=ACCEPTED BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI-LINEAR INDICATION
AS-ARC STRIKE
WS-WELD SIZE
WL-WELD LENGTH/LOCATION
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP-WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION- NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-115	1	EPS	C	AISC	0.125	0.125	FILLET	FILLET	4BA0892X2 51R3									RMC	030788						4.00															
BLN-115	1	EPS	D	AISC	0.125	0.125	FILLET	FILLET	4BA0892X2 51R3									RMC	030788						4.00															
BLN-116	1	EPS	570	AISC	0.188	0.250	FILLET	FILLET	5AW0820RU16 R13	EADK	JS	042676						MDD	092887						123.50					29.00				X	X					X
BLN-116	1	EPS	571	AISC	0.188	0.250	FILLET	FILLET	5AW0820RU16 R13	EADK	JS	042676						MDD	092887						112.50					40.00				X	X					X
BLN-116	1	EPS	572	AISC	0.188	0.250	FILLET	FILLET	5AW0820RU16 R13	EADK	JS	042676						MDD	092887						41.00					2.00					X					
BLN-116	1	EPS	573	AISC		0.250		FILLET	5AW0820RU16 R13	EADK	JS	042676																				WELD NOT REINSPECTED								
BLN-117	1	EPS	604	AISC	0.188	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187						300.00									X						X
BLN-117	1	EPS	605	AISC	0.150	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187											300.00				X	X		X			
BLN-117	1	EPS	606	AISC	0.250	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187						20.50									X						
BLN-117	1	EPS	607	AISC	0.250	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187						20.50									X						
BLN-117	1	EPS	607A	AISC	0.188	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187						300.00									X						X
BLN-117	1	EPS	607B	AISC	0.125	0.188	FILLET	FILLET	5AW0820RU19 R4	EADK	JS	042676						CAF	100187											300.00				X	X		X			
BLN-118	2	EPS	645	AISC	0.188	0.188	FILLET	FILLET	5AW0820RU19 R4		SG	041175						SEA	093087						266.12					5.13				X			X			X
BLN-118	2	EPS	645	AISC	0.188	0.188	FILLET	FILLET	5AW0820RU19 R4		SG	041175						SEA	093087											21.19				X	X					X
BLN-118	2	EPS	647	AISC	0.188	0.188	FILLET	FILLET	5AW0820RU19 R4		SG	041175						SEA	093087						266.00					5.25				X						X
BLN-118	2	EPS	648	AISC	9.188	0.188	FILLET	FILLET	5AW0820RU19 R4		SG	041175						SEA	093087						21.19									X						X

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION- NDE VT INSP BY	INSPECTION- NDE VT DATE MDDY	INSPECTION- NDE MT/PT	INSPECTION- NDE MT/PT INSP BY	INSPECTION- NDE MT/PT DATE MDDY	INSPECTION- NDE RT INSP BY	INSPECTION- NDE RT DATE MDDY	REINSPECTION- NDE VT INSP BY	REINSPECTION- NDE VT DATE MDDY	REINSPECTION- NDE MT/PT	REINSPECTION- NDE MT/PT INSP BY	REINSPECTION- NDE MT/PT DATE MDDY	REINSPECTION- NDE RT INSP BY	REINSPECTION- NDE RT DATE MDDY	EVALUATION RESULTS-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-119	1	EPS	664	AISC	0.188	0.188	FILLET	FILLET	5AW0618RU23 R6	EADO	JS	062676						RMC	001207						39.87					0.13					X					
BLN-119	1	EPS	605	AISC	0.188	0.188	FILLET	FILLET	5AW0016RU23 R6	EADO	JS	062676						RMC	091297						40.00															
BLN-119	1	EPS	666	AISC	0.188	0.188	FILLET	FILLET	5AW0618RU23 R6	EADO	JS	062676						RMC	091267						8.00							12.0" INACCESSIBLE								
BLN-119	1	EPS	667	AISC	0.188	0.188	FILLET	FILLET	5AW0618RU23 R6	EADO	JS	062676						RMC	091267						20.00															
BLN-119	1	EPS	667A	AISC	9.188	0.188	FILLET	FILLET	5AW0618RU23 R6	EADO	JS	062676						RMC	091267						40.00															
BLN-120	1	EPS	A	AISC	0.250	0.250	FILLET	FILLET	6KW0203X2 3R4									MDD	031468						6.00															
BLN-120	1	EPS	B	AISC	0.250	0.250	FILLET	FILLET	6KW0203X2 3R4									MDD	031468						8.00															
BLN-126	1	EPS	C	AISC	N/A	N/A	GROOVE	FBEV	6KW0203X2 3R4									MDD	031468						4.00															
BLN-120	1	EPS	D	AISC	0.250	0.250	FILLET	FILLET	6KW0203X2 3R4									MDD	031468						2.00							2" OF WELD MISSING				X				
BLN-120	1	EPS	E	AISC	N/A	N/A	GROOVE	FBEV	6KW0203X2 3R4									MDD	031468						4.00															
BLN-129	1	EPS	F	AISC	0.250	0.250	FILLET	FILLET	6KW0203X2 3R4									MDD	031468						2.00							2" OF WELD MISSING				X				

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-121	2	MISC	265 A	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGO	JS	012485						CAF	092687						29.00															
BLN-121	2	MISC	266 B	AISC	N/A	N/A	BUTT	GROOVE	4AW0012X2 26R4	IAGO	JS	012485						CAF	092687						7.00															
BLN-121	2	MISC	302 NS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGO	JS	031585						CAF	092687						8.00									X						
BLN-121	2	MISC	302 FS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	JS	031585						CAF	092687						8.00									X						
BLN-121	2	MISC	302 NS FS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	JS	031585						CAF	092687						15.50					0.50				X			X			
BLN-121	2	MISC	304	AISC	N/A	N/A	GROOVE	GROOVE	4AW0012X2 26R4	IAGO	JS	012485						CAF	092687						3.00					0.50							X			
BLN-121	2	MISC	306	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGO	JS	012485						CAF	092687						25.00															
BLN-121	2	MISC	313	AISC	0.375	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGO	OP	010985						CAF	092687						23.25					0.75				X			X			
BLN-121	2	MISC	314	AISC	0.375	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	PW	122784						CAF	092687						23.25					0.75				X			X			
BLN-121	2	MISC	315 NS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGO	OP	010985						CAF	092687						11.50									X						
BLN-121	2	MISC	315 FS	AISC	0.250	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	OP	010985						CAF	092687											11.50				X	X					
BLN-121	2	MISC	316 NS FS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	OP	010985						CAF	092687						22.00					1.00				X			X			
BLN-121	2	MISC	317 NS FS	AISC	0.313	0.313	FILLET	FILLET	4AW0012X2 26R4	IAGQ	OP	010985						CAF	092687						26.00					1.00				X			X			
BLN-122	2	MISC	266 NS FS	AISC	0.313	0.188	FILLET	FILLET	4AW0012X2 6R5	IAKK	SG	031282						CAF	100287						36.50	0.50											X			X
BLN-122	2	MISC	269 NS FS	AISC	0.313	0.250	FILLET	FILLET	4AW0012X2 6R5	IAKK	SG	031282						CAF	100287						37.00												X			X
BLN-122	2	MISC	269 NS FS	AISC	0.375	0.250	FILLET	FILLET	4AW0012X2 6R5	IALX	SG	042182						CAF	100287						11.63								2.13" WELD MISSING				X			

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
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STRU=STRUCT STL
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-122	2	MISC	291 NS FB	AISC	0.313	0.250	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	042182						CAF	100267						11.87							2.13" WELD MISSING				X				
BLN-122	2	MISC	292 NS FS	AISC	0.375	0.250	FILLET	FILLET	4AW0612X2 6R3	IAEU	SG	042182						CAF	100267						12.13							1.87" WELD MISSING				X				
BLN-122	2	MISC	313 NS FB	AISC	0.188	0.188	FILLET	FILLET	4AW0612X2 6R5	IAEG	SG	071983						CAF	100267						74.00												X			
BLN-122	2	MISC	326 NS	AISC	0.250	0.188	FILLET	FILLET	4AW0612X2 6R5	IAKK	SG	021582						CAF	100267						37.00												X			
BLN-122	2	MISC	326 FS	AISC	0.313	0.188	FILLET	FILLET	4AW0612X2 6R5	IAKK	SG	021582						CAF	100267						33.00					4.00					X		X			
BLN-122	2	MISC	328A NS FS	AISC	0.250	0.250	FILLET	FILLET	4AW0012X2 6R5	IAEU	SG	021882						CAF	100267						23.37	0.50				0.13		OVERLAP							X	
BLN-122	2	MISC	329B NS FS	AISC	0.250	0.188	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						23.50	0.50											X			
BLN-122	2	MISC	334A NS	AISC	0.375	0.250	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						23.50	0.50											X			
BLN-122	2	MISC	334A FS	AISC	0.375	0.250	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						23.50					0.50							X			
BLN-122	2	MISC	335B NS	AISC	0.375	0.188	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						23.50	0.50											X			
BLN-122	2	MISC	335B FS	AISC	0.375	0.188	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						24.00															
BLN-122	2	MISC	337A NS	AISC	0.313	0.188	FILLET	FILLET	4AW0912X2 8R5	IAEU	SG	021882						CAF	100267						35.50															
BLN-122	2	MISC	337A FS	AISC	0.813	0.188	FILLET	FILLET	4AW0612X2 6R5	IAEU	SG	021882						CAF	100267						31.50					4.00							X			
BLN-122	2	MISC	441A	AISC	0.250	0.250	FILLET	FILLET	4AW0012X2 6R5	IAEU	SG	073082						CAF	100267						13.06															
BLN-122	2	MISC	441B	AISC	0.313	0.250	FILLET	FILLET	4AW0012X2 6R5	IAEU	SG	073082						CAF	100267						16.50	0.50											X			
BLN-122	2	MISC	441C	AISC	0.250	0.250	FILLET	FILLET	4AW0012X2 6R3	IAEU	SG	073082						CAF	100267						13.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-122	2	MISC	441D	AISC	0.250	0.250	FILLET	FILLET	4AW0812X2 6R5	IAEU	SG	073082						CAF	100287						18.00																
BLN-122	2	MISC	441E	AISC	N/A	N/A	GROOVE	GROOVE	4AW0912X2 6R5	IAEU	SG	073082						CAF	100287						13.00																
BLN-122	2	MISC	441F	AISC	N/A	N/A	GROOVE	GROOVE	4AW0012X2 6R5	IAEU	SG	073082						CAF	100287						13.00																
BLN-122	2	MISC	436A NS	AISC	0.375	0.313	FILLET	FILLET	4AW0912X2 6R5	IAEU	SG	111981						CAF	100287						5.25							0.37" WELD MISSING				X				
BLN-122	2	MISC	436A FS	AISC	0.375	0.313	FILLET	FILLET	4AW0812X2 6R5	IAEU	SG	111981						CAF	100287						5.88							0.25" WELD MISSING				X				
BLN-122	2	MISC	436B	AISC	0.375	0.313	FILLET	FILLET	4AW0812X2 6R5	IAEU	SG	111981						CAF	100287						11.63							0.63" WELD MISSING				X				
BLN-122	2	MISC	436C NS	AISC	0.313	0.313	FILLET	FILLET	4AW0812X2 6R5									CAF	100287						6.38							INSPECTION CARDS NOT FOUND								
BLN-122	2	MISC	436C FS	AISC	0.375	0.313	FILLET	FILLET	4AW0612X2 6R5									CAF	106287						6.50							INSPECTION CARDS NOT FOUND								
BLN-123	1	MISC	880	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 2R11	IALA	TA	052083						RMC	041288						13.00																
BLN-123	1	MISC	881A	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 2R11	IALA	BT	051983						RMC	041288						10.00							2" WELD MISSING				X				
BLN-123	1	MISC	912A	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 2R11	IALY	CT	052683						RMC	041288						12.00																
BLN-123	1	MISC	912B	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 2R11	IALY	CT	052683						RMC	041288						12.00																
BLN-123	1	MISC	925A	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 2R11	IALA	CT	052083						RMC	041288						12.00																
BLN-123	1	MISC	925B	AISC	0.250	0.250	FILLET	FILLET	4RW0812X2 2R11	IALA	TA	052083						RMC	041288						12.00																
BLN-123	1	MISC	XX-100	AISC	0.188	0.188	FILLET	FILLET	4RW0512X2 2R11									RMC	041288						16.00																
BLN-124	1	MISC	1306	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 1R12	IADZ	LM	031080						RMC	092887						19.50					10.50							X				

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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CS=CONDUIT SPT
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EVALUATION RESULTS

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WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-124	1	MISC	1399	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 1R12	IADZ	LM	031060						RMC	092887						18.50					2.00								X			
BLN-124	1	MISC	1403	AISC	0.250	0.250	FILLET	FILLET	4RW0812X2 1R12	IADZ	LM	031060						RMC	092887						25.00																
BLN-124	1	MISC	XX50 NS	AISC	0.250	0.166	FILLET	FILLET	4RW0512X2 1R12									RMC	092887						2.04					0.06							X			X
BLN-124	1	MISC	XX50 FS	AISC	0.250	0.166	FILLET	FILLET	4RW0812X2 1R12									RMC	092887						2.87					0.13							X			X
BLN-124	1	MISC	XX50	AISC	0.188	0.188	FILLET	FILLET	4RW0512X2 1R12									RMC	092887						12.00					1.00							X			X
BLN-125	1	MISC	AA 1 NS	AISC	0.375	0.313	FILLET	FILLET	4RW0812X2 9R9									MDD	100187						3.00															
BLN-125	1	MISC	AA 1 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						3.00															
BLN-125	1	MISC	AA 2 NS	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						6.06															
BLN-125	1	MISC	AA 2 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						6.09															
BLN-125	1	MISC	AA 3 NS	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						3.00															
BLN-125	1	MISC	AA 3 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						3.00															
BLN-125	1	MISC	BB WF LH	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	109187						12.00															
BLN-125	1	MISC	BB WF RH	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						12.00															
BLN-125	1	MISC	CC EMPL 1	AISC	0.438	0.313	FILLET	FILLET	4RW0512X2 33R6	IALA	TA	062383						MDD	100187						3.50															
BLN-123	1	MISC	CC EMPL 2	AISC	0.500	0.313	FILLET	FILLET	4RW0512X2 33R6	IALA	TA	062383						MDD	100187						21.50															
BLN-125	1	MISC	CC EMPL 3	AISC	0.436	0.313	FILLET	FILLET	4RW0512X2 33R6	IALA	TA	062383						MDD	100187						3.50															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-125	1	MISC	CC ABP LH	AISC	0.375	0.313	FILLET	FILLET	4RW0812X2 9R9									MDD	100187						12.00															
BLN-125	1	MISC	CC ABP RH	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						12.00															
BLN-125	1	MISC	DD PWF 1	AISC	0.375	0.313	FILLET	FILLET	4RW0512X2 9R9									MDD	100187						3.50															
BLN-125	1	MISC	DD PWF 2	AISC	0.375	0.313	FILLET	FILLET	4RW0812X2 9R9									MDD	109187						3.50															
BLN-126	0	MISC	XX-10	AISC	0.250	0.250	FILLET	FILLET	8KW0207X2 1R10									RMC	031288						21.00							NO FF FOUND								
BLN-126	0	MISC	XX-20	AISC	0.250	0.250	FILLET	FILLET	8KW0207X2 1R10									RMC	031288						21.00							NO FF FOUND								
BLN-126	0	MISC	XX-30	AISC	N/A	N/A	GROOVE	BUTT	8KW0207X2 1R10									RMC	031288						27.75							NO FF FOUND								
BLN-126	0	MISC	XX-40	AISC	N/A	N/A	GROOVE	BUTT	8KW0307X2 1R10									RMC	031288						27.75															X
BLN-126	0	MISC	XX-50	AISC	0.188	0.188	FILLET	FILLET	8KW0307X2 1R10									RMC	031288						12.00							NO FF FOUND								
BLN-126	0	MISC	XX-60	AISC	0.188	0.188	FILLET	FILLET	8KW0207X2 1R10									RMC	031288						12.00							NO FF FOUND								
BLN-127	1	MISC	3838 A	AISC	0.313	0.313	FILLET	FILLET	4RW0512X2 35R6	IALZ	TA	022483						RMC	093087						14.00															
BLN-127	1	MISC	E NS	AISC	0.313	0.313	FILLET	FILLET	4RW0512X2 35R6									RMC	093087						23.00															
BLN-127	1	MISC	E FS	AISC	0.313	0.313	FILLET	FILLET	4RW0512X2 35R6									RMC	093087						28.00															
BLN-127	1	MISC	3841 D	AISC	0.313	0.313	FILLET	FILLET	4RW0512X2 35R6	IALZ	TA	022485						RMC	093087						14.00															
BLN-127	1	MISC	3960	AISC	0.313	0.313	FILLET	FILLET	4RW0512X2 35R6	IALZ	TA	030483						RMC	093087						24.00												X			
BLN-127	1	MISC	3961	AISC	0.313	0.250	FILLET	FILLET	4RW0512X2 9R9	IALA	DG	010583						RMC	093087						24.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC QR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-127	1	MISC	3962 NS	AISC	0.313	0.250	FILLET	FILLET	4RW0512X2 35R6	IALZ	TA	030283						RMC	093087						6.00																
BLN-127	1	MISC	3962 FB	AISC	0.313	0.250	FILLET	FILLET	4RW0512X2 35R6	IALZ	TA	030283						RMC	093087						6.00																
BLN-128	1	MISC	4347 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0512X2 40R2	IAKC	DG	093083						RMC	091987						12.00																
BLN-128	1	MISC	4347 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0512X2 40R2	IAKC	DG	093083						RMC	091887						12.00																
BLN-128	1	MISC	4348 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0512X2 40R2	IAKC	CT	092883						RMC	091987						12.00																
BLN-128	1	MISC	4348 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0512X2 40R2	IAKC	CT	092883						RMC	091087						12.09																
BLN-129	2	MISC	55	AISC	0.188	0.250	FILLET	FILLET	4RW0512X2 1R12	IAKF	BM	072980						MDD	092087						13.62					10.38					X						
BLN-129	2	MISC	51	AISC	0.188	0.250	FILLET	FILLET	4RW0512X2 1R12	IAKF	BM	072980						MDD	092087						24.09					7.91					X						
BLN-129	2	MISC	54	AISC	0.250	0.250	FILLET	FILLET	4RW0512X2 1R12	IAKF	BM	072980						MDD	092087						24.00					2.00							X				
BLN-129	2	MISC	4	AISC	0.188	0.188	FILLET	FILLET	4RW0512X2 1R12									MDD	092087						3.50																
BLN-129	2	MISC	5	AISC	0.188	0.188	FILLET	FILLET	4RW0812X2 1R12									MDD	092087						31.00					1.00		OVERLAP							X	
BLN-129	2	MISC	6	AISC	0.166	0.188	FILLET	FILLET	4RW0512X2 1R12									MDD	092087						13.00																
BLN-131	1	DS	47	AISC	0.313	0.313	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JG	062679						MDD	100187						24.09																
BLN-131	1	DS	48	AISC	0.250	0.313	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JG	062679						MDD	100187											24.00					X						
BLN-131	1	DS	49	AISC	0.313	0.313	F/GRV	F/GRV	4RW0532X2 21R13	SACO	RN	071479						MDD	100187						28.00																
BLN-131	1	DS	50	AISC	0.123	0.188	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JG	062979						MDD	100187											176.00					X						

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	BPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-131	1	DS	50A	AISC	0.313	0.313	F/FBEV	F/FBEV	4RW0532X2 21R13	5ACO	RN	071479						MDD	100187						36.00															
BLN-131	1	DS	A-A	AISC	0.25	0.313	F/FBEV	F/FBEV	4RW0532X2 21R13	SAAS	GL	001979						MDD	100187						18.00					6.00					X					
BLN-131	1	DS	B-B	AISC	0.25	0.25	F/BUTT	F/BUTT	4RW0532X2 21R13	SAAS	GL	091979						MDD	100187						29.00															
BLN-131	1	DS	C-C	AISC	0.25	0.313	F/FBEV	F/FBEV	4RW0532X2 21R13	SAAS	GL	091979						MDD	100187						16.00					6.00					X					
BLN-131	1	DS	D-D	AISC	0.25	0.25	F/BUTT	F/BUTT	4RW0532X2 21R13	SAAS	GL	091979						MDD	100187						29.00															
BLN-131	1	DS	E-E	AISC	0.25	0.313	F/FBEV	F/FBEV	4RW0532X2 21R13	SAAS	GL	091979						MDD	100187						18.00					6.00					X					
BLN-131	1	DS	F-F	AISC	0.25	0.313	F/FBEV	F/FBEV	4RW0532X2 21R13	SAAS	GL	091979						MDD	100187						18.00					6.00					X					
BLN-132	1	DS	40 A	AISC	0.375	0.313	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JL	081678						MDD	100187						18.00							0" OF WELD INACCESSIBLE								
BLN-132	1	DS	41 B	AISC	0.375	0.313	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JL	081678						MDD	100187						24.00															
BLN-132	1	DS	42 C	AISC	0.188	0.188	FILLET	FILLET	4RW0532X2 21R13	SAAZ	JL	081675						MDD	106187						147.00															
BLN-132	1	DS	M1	AISC	0.250	0.250	F/BUTT	F/BUTT	4RW0532X2 21R13									MDD	100187						19.50							9.5" OF WELD COVERED, NO FF FOUND								
BLN-132	1	DS	M2	AISC	0.250	0.250	F/BUTT	F/BUTT	4RW0532X2 21R13									MDD	100187						19.50							9.5" OF WELD COVERED, NO FF FOUND								
BLN-133	1	DS	262	AISC	0.313	0.313	FILLET	FILLET	4RW0532X2 21R13	BAIH	LB	071382	PT	LB	071382			SEA	092287	PT	G/M	091093			12.00															
BLN-133	1	DS	263	AISC	0.313	0.313	FILLET	FILLET	4RW0532X2 21R13	BAIH	LB	071382	PT	LB	071382			SEA	092287	PT	G/M	091093			11.72					0.29						X				
BLN-133	1	DS	264	AISC	0.250	0.188	FILLET	FILLET	4RW0532X2 21R13	SAAT	EI	072678						SEA	092287						49.38															
BLN-133	1	DS	D	AISC	0.250	0.250	F/GROO	F/GROO	4RW0532X2 21R13									SEA	092287						13.75							NO FF FOUND								

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-133	1	DS	E	AISC	0.250	0.250	F/GROO	F/GROO	4RW0532X2 21R13									SEA	092287										13.75		NO FF FOUND			X					
BLN-134	2	DS	2606	AISC	0.313	0.313	FILLET	FILLET	4AW0869X2 1R16	SA8G	JW	030764						RMC	092987						24.00															
BLN-134	2	DS	2607	AISC	0.313	0.313	FILLET	FILLET	4AW0869X2 1R18	SA8G	JW	030764						RMC	092987						24.00															
BLN-134	2	DS	2607A	AISC	0.188	0.168	FILLET	FILLET	4AW0869X2 1R18	SA8G	SG	030964						RMC	092987						54.00					7.00				X					
BLN-134	2	DS	2608	AISC	0.188	0.188	FILLET	FILLET	4AW0869X2 1R18	SA8G	SG	030964						RMC	092987						76.00															
BLN-134	2	DS	2608A	AISC	N/A	N/A	GROOVE	GROOVE	4AW0869X2 1R18	SA8G	TH	022884						CAF	100187						32.00															
BLN-134	2	DS	XX10	AISC	0.23	0.25	F/GRV	F/BUTT	4AW0869X2 1R18	SAAS	JC	122878						RMC	092987						29.00															
BLN-134	2	DS	XX20	AISC	0.25	0.25	F/GRV	F/BUTT	4AW0869X2 1R18	SAAS	JC	122878						RMC	092987						29.00															
BLN-134	2	DS	XX50	AISC	0.313	0.313	F/GRV	F/FBEV	4AW0869X2 1R18	SAAS	JC	122878						RMC	092987						24.00															
BLN-134	2	DS	XX40	AISC	0.313	0.313	F/GRV	F/FBEV	4AW0869X2 1R18	SAAS	JC	122878						RMC	092987						24.00															
BLN-135	1	DS	1703A	AISC	0.313	0.313	FILLET	FILLET	4AW0868X2 1R12	SAAE	MG	070180						RMC	031388						16.00															
BLN-135	1	DS	1703B	AISC	0.168	0.188	FILLET	FILLET	4AW0869X2 1R12	SAAE	MG	070380						RMC	031388						33.12					0.38						X				
BLN-135	1	DS	1703C	AISC	0.188	0.188	FILLET	FILLET	4AW0868X2 1R12	SAAE	MG	070380						RMC	031388						34.25					0.75						X				
BLN-135	1	DS	1703E	AISC	0.25	0.25	F/GRV	F/GRV	4AW0868X2 1R12									RMC	031388						14.00							FF NOT FOUND								
BLN-136	1	DS	1VA 905A	AISC	0.313	0.313	FILLET	FILLET	4AW0867X2 3R12	SACN	DC	012280						RMC	092987						18.00															
BLN-136	1	DS	1VA 905C	AISC	0.188	0.188	FILLET	FILLET	4AW0867X2 3R12	SACN	DB	100700						RMC	092087						11.00															

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DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

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AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
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LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-136	1	DS	XX99	AISC	0.313	0.250	F/GROO	F/GROO	4AW0667X2 3R12									RMC	092687						18.00																
BLN-137	1	DS	A	AISC	0.313	0.313	FILLET	FILLET	4CW0945X2 2R18	IAFM	SG	100978						RMC	092987						16.00																
BLN-137	1	DS	B	AISC	0.313	0.313	FILLET	FILLET	4CW0945X2 2R16	SABT	SG	100978						RMC	092987						18.00																
BLN-137	1	OS	C	AISC	0.313	0.313	FILLET	FILLET	4CW0945X2 2R18	SAAC	SG	100978						RMC	092987						18.00																
BLN-137	1	DS	D	AISC	0.313	0.313	FILLET	FILLET	4CW0945X2 2R18	SABT	SG	100978						RMC	092987						16.00																
BLN-137	1	OS	E	AISC	0.188	0.188	F/GROO	F/GROO	4CW0945X2 2R18									RMC	092987						18.00							NO FF FOUND								
BLN-137	1	DS	F	AISC	0.188	0.188	F/GROO	F/GROO	4CW0945X2 2R18									RMC	092987						18.00							NO FF FOUND								
BLN-137	1	DS	G	AISC	0.188	0.188	F/GROO	F/GROO	4CW0945X2 2R18									RMC	092987						18.00							NO FF FOUND								
BLN-137	1	DS	H	AISC	0.188	0.188	F/GROO	F/GROO	4CW0945X2 2R18									RMC	092987						18.00							NO FF FOUND								
BLN-137	1	OS	J	AISC	0.188	0.188	FILLET	FILLET	4CW0945X2 2R18	SAAC	SG	100978						RMC	092987						64.00																
BLN-137	1	DS	K	AISC	0.188	0.188	FILLET	FILLET	4CW0945X2 2R18	IAFM	SG	100978						RMC	092987						64.00																
BLN-136	2	DS	2046 A	AISC	0.313	0.313	FILLET	FILLET	4CW0945X2 1R14	SADP	JH	020984						RMC	092687						12.00																
BLN-138	2	DS	2047 B	AISC	0.188	0.188	FILLET	FILLET	4CW0945X2 1R14	SADP	JH	021384						RMC	092687						17.00																
BLN-138	2	DS	2048 C	AISC	0.188	0.188	FILLET	FILLET	4CW0945X2 3R20	SADP	JH	021384						RMC	092687						17.00																
BLN-136	2	DS	XX-109	AISC	0.250	0.188	F/GROO	F/GROO	4CW0945X2 3R20	SAAS	WS	001782						RMC	092687						14.00																
BLN-139	1	DS	263	AISC	0.250	0.188	FILLET	FILLET	4DW0759X2 2R10	SADD	TH	030580						RMC	092687						13.00					2.00							X			

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-139	1	DS	264	AISC	0.250	0.188	FILLET	FILLET	4DW0759X2 2R10	SADO	TH	030580						RMC	092687						15.00																
BLN-130	1	DS	3X90/265	AISC	0.125	0.136	FILLET	FILLET	4DW0759X2 2R10	SADD	TH	030580						RMC	092687											6.50				X							
BLN-139	1	DS	3X90/266	AISC	0.125	0.188	FILLET	FILLET	4DW0759X2 2R10	SADD	TH	030580						RMC	092687											6.50				X							
BLN-140	2	DS	127	AISC	0.250	0.250	FILLET	FILLET	4DW0759X2 1R15	SADP	NA	122962						MDD	032788						14.00																
BLN-140	2	DS	128	AISC	0.250	0.250	FILLET	FILLET	4DW0759X2 1R15	SADP	NA	011483						MDD	032788						14.00																
BLN-140	2	OS	129	AISC	0.188	0.188	FILLET	FILLET	4DW0759X2 1R15	SADP	NA	011983						MDD	032788						42.25					0.50		CRATER								
BLN-140	2	DS	130	AISC	0.188	0.188	FILLET	FILLET	4DW0759X2 1R15	SADP	NA	011983						MDD	032788						42.75					0.50		CRATER								
BLN-141	1	DS	1	AISC	0.313	0.250	FILLET	FILLET	8KW0206X2 4R4	SAAG	RC	111078						MDD	032188						20.00																
BLN-141	1	DS	2	AISC	0.313	0.250	FILLET	FILLET	8KW0206X2 4R4	SAAG	RC	111078						MDD	032188						20.00																
BLN-141	1	DS	3	AISC	0.188	0.188	FILLET	FILLET	8KW0206X2 4R4									MDD	032188						4.00							4" NOT ACCESSIBLE								
BLN-141	1	DS	4	AISC	N/A	N/A	GROOVE	FBEV	8KW0206X2 4R4									MDD	032188						5.00							3" NOT ACCESSIBLE								
BLN-141	1	DS	5	AISC	0.250	0.188	FILLET	FILLET	8KW0206X2 4R4									MDD	032188						4.00							4" NOT ACCESSIBLE								
BLN-141	1	OS	6	AISC	N/A	N/A	GROOVE	FBEV	8KW0206X2 4R4									MDD	032188						5.00							3" NOT ACCESSIBLE								
BLN-142	1	MISC	1/1839	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGO	TH	111083						MDD	040988						10.00																
BLN-142	1	MISC	2/1840	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGO	JW	102083						MDD	040988						6.00																
BLN-142	1	MISC	3/1841	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGO	JW	102083						MDD	040988						10.09																X

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-142	1	MISC	4/1838	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDD	040988						6.00																
BLN-142	1	MISC	5/1842	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	JW	102083						MDD	040988						14.00																
BLN-142	1	MISC	6/1825	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDD	040988						6.00																
BLN-142	1	MISC	7/1829	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	JW	102083						MDD	040988						14.00																
BLN-142	1	MISC	8/1831	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDD	040988						10.44	0.06											X				
BLN-142	1	MISC	9/1832	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDD	040988						10.00																
BLN-142	1	MISC	10/1833	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.00																
BLN-142	1	MISC	11/1834	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.75												X				
BLN-142	1	MISC	12/1830	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDO	040988						10.25																
BLN-142	1	MISC	13/1837	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111083						MDD	040988						11.00												X				
BLN-142	1	MISC	14/1836	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.00												X				
BLN-142	1	MISC	15/1835	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.25												X				
BLN-142	1	MISC	16/1317	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111683						MDO	040988						10.06																
BLN-142	1	MISC	17/1824	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111083						MDD	040988						10.50																
BLN-142	1	MISC	18/1823	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.00																
BLN-142	1	MISC	19/1822	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040988						10.00												X				

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STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
OS=DUCT SPT
F/BEV=FILLET ON A BEVEL
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHEB A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-142	1	MISC	20/1855	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAEG	JW	110183						MOD	040986						14.00																
BLN-142	1	MISC	21/1850	AISC	0.375	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111083						MDD	040986						10.50																
BLN-142	1	MISC	22/1649	AISC	0.125	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	AV	110783						MDD	040986						5.09					5.00				X						
BLN-142	1	MISC	23/1840	AISC	0.375	0.250	FILLET	FILLET	4AW0920X2 1R5	IALB	TH	110483						MDD	040986						11.50																X
BLN-142	1	MISC	24/1746	AISC	0.313	0.313	FILLET	FILLET	4AW0920X2 1R5	IAGQ	JW	101483						MDD	040986						32.00																
BLN-142	1	MISC	25/1745	AISC	0.313	0.313	FILLET	FILLET	4AW0920X2 1R5	IAGQ	JW	101483						MDD	040986						24.09																
BLN-142	1	MISC	26/2067	AISC	0.250	0.188	FILLET	FILLET	4AW0920X2 1R5	IAEG	JW	110483						MDD	040986						16.00																
BLN-142	1	MISC	27/2066	AISC	0.250	0.188	FILLET	FILLET	4AW0920X2 1R5	IAEG	JW	110183						MDO	040986						16.00																
BLN-142	1	MISC	28/1851	AISC	0.313	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111783						MDD	040986						6.00																
BLN-142	1	MISC	29/1643	AISC	0.250	0.250	FILLET	FILLET	4AW0920X2 1R5	IAGQ	TH	111783						MDD	040986						10.00																
BLN-143	1	MISC	3541-A	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040188						16.63																
BLN-143	1	MISC	3541-B	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040188						3.09																
BLN-143	1	MISC	3541-C	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060104						MDD	040188						7.36																
BLN-143	1	MISC	3541-D	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040188						12.63																
BLN-143	1	MISC	3541-E	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040188						7.36																
BLN-143	1	MISC	3541-F	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040188						3.00																

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WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-143	1	MISC	3541-G	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040186						16.03															
BLN-143	1	MISC	3541-H	AISC	0.563	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040186											3.06				X						
BLN-143	1	MISC	3541-I	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040186						7.38															
BLN-143	1	MISC	3541-J	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040186						12.63															
BLN-143	1	MISC	3541-K	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060184						MDD	040186						7.38															
BLN-143	1	MISC	3541-L	AISC	0.625	0.625	FILLET	FILLET	4RW0550X2 2R7	FAHM	AC	060104						MDD	040186						3.00															
BLN-143	1	MISC	M	AISC	1.250	1.250	GROOVE	GROOVE	4RW0550X2 2R7	FAAV	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	N	AISC	1.250	1.250	GRQOVE	GROOVE	4RW0550X2 2R7	FAAV	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	O	AISC	1.250	1.250	GROOVE	GROOVE	4RW0550X2 2R7	FAAV	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	P	AISC	1.250	1.250	GROOVE	GROOVE	4RW0550X2 2R7	FAAV	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	3542-1	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	3542-2	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.09															
BLN-143	1	MISC	3543-3	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	3543-4	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.00															
BLN-143	1	MISC	3545-5	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.09															
BLN-143	1	MISC	3545-6	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	040186						14.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CASLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
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A4=ACC BY CHAR AND RECON
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N/A=NOT APPLICABLE

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INSPEC PACK WP-C-	UN IT	DES	WELD NUMBER	SPEC QR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-143	1	MISC	3549-7	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.06															
BLN-143	1	MISC	3549-8	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.06															
BLN-143	1	MISC	3548-9	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.06															
BLN-143	1	MISC	3548-10	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.00															
BLN-143	1	MISC	3547-11	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.00															
BLN-143	1	MISC	3547-12	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.00															
BLN-143	1	MISC	3546-13	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDO	0401 040988						14.00															
BLN-143	1	MISC	3546-14	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 0988						14.00															
BLN-143	1	MISC	3544-15	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.00															
BLN-143	1	MISC	3544-16	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 040988						14.00															
BLN-143	1	MISC	3550-AA	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 88						14.00															
BLN-143	1	MISC	3551-BB	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 88						14.00															
BLN-143	1	MISC	3557-CC	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FARN	RK	080682						MDD	0401 88						14.00															
BLN-143	1	MISC	3556-DD	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 88						14.00															
BLN-143	1	MISC	3555-EE	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FBPK	RK	080682						MDD	0401 88						14.00															
BLN-143	1	MISC	3554-FF	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FASZ	RK	080682						MDD	0401 88						14.00															

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INSPEC PACK WP-C-	UNIT	OES	WELD NUMBER	SPEC QR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-143	1	MISC	3553-GG	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FBPK	RK	080682						MDD	040188						14.00																
BLN-143	1	MISC	3552-HH	AISC	0.625	0.625	GROOVE	GROOVE	4RW0550X2 2R7	FASZ	RK	080682						MDD	040188						14.00																
BLN-144	1	MISC	A	AISC	0.375	0.313	FILLET	FILLET	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						60.00																
BLN-144	1	MISC	B	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						10.00																
BLN-144	1	MISC	C	AISC	0.375	0.313	FILLET	FILLET	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						60.09																
BLN-144	1	MISC	D	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						10.00																
BLN-144	1	MISC	E	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						31.00																
BLN-144	1	MISC	F	AISC	0.375	0.375	FILLET	FILLET	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						42.00																
BLN-144	1	MISC	G	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						31.00																
BLN-144	1	MISC	H	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						31.00																
BLN-144	1	MISC	I	AISC	0.500	0.500	FILLET	FILLET	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						29.00																
BLN-144	1	MISC	J	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAWD	DM	032381						MDD	040988						32.08																
BLN-145	1	MISC	1R4 3593	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMD	MPM	021384						MDD	032788						8.00																
BLN-145	1	MISC	1R4 3594	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788						8.00																
BLN-145	1	MISC	1R4 3595	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788						16.00																
BLN-145	1	MISC	1R4 3596	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMD	MPM	021384						MDD	032788						16.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	BPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-145	1	MISC	1R4 3597	AISC	0.378	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	RW	021684						MDD	032788					9.50																
BLN-145	1	MISC	1R4 3598	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788					8.00																
BLN-145	1	MISC	1R4 3599	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788					8.00																
BLN-145	1	MISC	1R4 3600	AISC	0.378	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788					16.00																
BLN-145	1	MISC	1R4 3601	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	021384						MDD	032788					16.00																
BLN-145	1	MISC	1R4 3602	AISC	0.375	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	RW	021684						MDD	032788					8.50																
BLN-145	1	MISC	1R4 3603	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	020884						MDD	032788					8.25																
BLN-145	1	MISC	1R4 3604	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	020884						MDD	032788					8.25																
BLN-145	1	MISC	1R4 3605	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	020884						MDD	032788					8.25																
BLN-145	1	MISC	1R4 3606	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 3R2	FCMO	MPM	020884						MDD	032788					8.25																
BLN-145	1	MISC	1R4 3607	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	RW	021684						MDD	032788					63.50								WELD MISSING NOT NOTED BY INSPECTOR								
BLN-145	1	MISC	1R4 3608	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FCMO	RW	021834						MDD	032788					63.50								WELD MISSING NOT NOTED BY INSPECTOR								
BLN-146	1	MISC	1R4 3609-3	AISC	N/A	N/A	FBEV	FBEV	4RW0550X2 4R2	FCMO	PW	030284						MDD	031788					24.00																
BLN-146	1	MISC	1R4 3612-2	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 4R2	FCMO	PW	030284						MDD	031788					20.06																
BLN-146	1	MISC	1R4 3613-1	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 4R2	FCMO	PW	030284						MDD	031788					20.00																
BLN-146	1	MISC	4	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031788					5.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-146	1	MISC	6	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						7.00																
BLN-146	1	MISC	8	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						5.00																
BLN-146	1	MISC	7	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						7.06																
BLN-146	1	MISC	8	AISC	0.500	0.500	FILLET	FILLET	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						5.00																
BLN-146	1	MISC	9	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						7.00																
BLN-146	1	MISC	10	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDD	031786						5.00																
BLN-146	1	MISC	11	AISC	N/A	N/A	BEVEL	BEVEL	4RW0550X2 4R2	FAOZ	RG	032583						MDO	031786						7.00																
BLN-147	1	MISC	1R4 3581	AISC	N/A	N/A	GROOVE	GROOVE	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						5.00																
BLN-147	1	MISC	1R4 3582	AISC	N/A	N/A	GROOVE	GROOVE	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						5.00																
BLN-147	1	MISC	1R4 3583 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						12.00																
BLN-147	1	MISC	1R4 3583 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						12.00																
BLN-147	1	MISC	1R4 3594 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						12.00																
BLN-147	1	MISC	1R4 3594 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						12.00																
BLN-147	1	MISC	1R4 3583	AISC	N/A	N/A	GROOVE	GROOVE	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						5.00																
BLN-147	1	MISC	1R4 3586	AISC	N/A	N/A	GROOVE	GROOVE	4RW0550X2 3R2	FAHM	RW	111783						MDO	040986						5.00																
BLN-147	1	MISC	1R4 3587 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040986						12.00																

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE BPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT BPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=OUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	OES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-147	1	MISC	1R4 3587 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040968						12.00															
BLN-147	1	MISC	1R4 3588 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111763						MDD	040968						12.00															
BLN-147	1	MISC	1R4 3588 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAHM	RW	111783						MDD	040968						12.00															
BLN-147	1	MISC	1R4 3589	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	CT	110183						MDD	040968						6.00															
BLN-147	1	MISC	1R4 3590	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	CT	110183						MDD	040968						6.00															
BLN-147	1	MISC	1R4 3590A NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110383						MDD	040968						15.00															
BLN-147	1	MISC	1R4 3590A FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110383						MDD	040968						15.09															
BLN-147	1	MISC	1R4 3590B NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110483						MDD	040968						15.00															
BLN-147	1	MISC	1R4 3590B FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110483						MDD	040968						15.00															
BLN-147	1	MISC	1R4 3590C	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	102783						MDD	040968						26.50															
BLN-147	1	MISC	1R4 3591	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110683						MDD	040968						8.00															
BLN-147	1	MISC	1R4 3592	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	RW	110683						MDD	040968						6.00															
BLN-147	1	MISC	1R4 3592A NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040968						8.25															
BLN-147	1	MISC	1R4 3592A FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040968						8.25															
BLN-147	1	MISC	1R4 3592B NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040968						8.25															
BLN-147	1	MISC	1R4 3592B FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040968						8.25															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-147	1	MISC	1R4 3592C NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040988						6.25																
BLN-147	1	MISC	1R4 3592C FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040988						6.25																
BLN-147	1	MISC	1R4 3592D NS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040988						6.25																
BLN-147	1	MISC	1R4 3592D FS	AISC	0.313	0.313	FILLET	FILLET	4RW0550X2 3R2	FAST	MM	111583						MDD	040988						6.25																
BLN-147	1	MISC	X-100	AISC	0.375	0.375	FILLET	FILLET	4RW0550X2 3R2	PAXA	RG	051683						MDD	040988						36.00																
BLN-147	1	MISC	X-110	AISC	0.375	0.375	FILLET	FILLET	4RW0550X2 3R2	FAXA	RG	051683						MDD	040988						36.00																
BLN-147	1	MISC	X-200	AISC	0.188	0.188	FILLET	FILLET	4RW0550X2 3R2	PAXA	RG	051683						MDD	040988						32.00																
BLN-147	1	MISC	X-210	AISC	0.188	0.188	FILLET	FILLET	4RW0550X2 3R2	FAXA	RG	051683						MDD	040988						32.00																
BLN-147	1	MISC	X-220	AISC	0.188	0.188	FILLET	FILLET	4RW0550X2 3R2	FAXA	RG	051683						MDD	040988						32.00																
BLN-147	1	MISC	X-230	AISC	0.188	0.188	FILLET	FILLET	4RW0550X2 3R2	FAXA	RG	051683						MDD	040988						32.00																
BLN-151	1	MISC	12R 2692B NS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FCHV	JB	033082						MDD	100287						12.50																
BLN-151	1	MISC	12R 2692B FS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FCHV	JB	033082						MDD	100287						12.50																
BLN-151	1	MISC	12R 2696 A5 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWO	DG	081782						MDD	100287						13.00																
BLN-151	1	MISC	12R 2696 A5 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWD	DO	081782						MDD	100287						13.00																
BLN-151	1	MISC	12R 2696 A6 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWO	DG	081782						MDD	100287						13.00																
BLN-151	1	MISC	12R 2696 A6 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWO	DG	081782						MDD	100287						13.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A3	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-151	1	MISC	12R 2697 A1 NS	AISC	0.375	0.500	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287											8.25					X					
BLN-151	1	MISC	12R 2697 A1 FS	AISC	0.375	0.500	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287											7.09					X					
BLN-151	1	MISC	12R 2697 A2 NS	AISC	0.563	0.500	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						8.25															
BLN-151	1	MISC	12R 2697 A2 FS	AISC	0.563	0.500	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						7.00															
BLN-151	1	MISC	12R 2698 B NS	AISC	0.675	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287						11.50															
BLN-151	1	MISC	12R 2698 B FS	AISC	0.625	0.375	FILLET	FILLET	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287						11.50															
BLN-151	1	MISC	2699C1 NS(TOP)	AISC	0.500	0.375	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						8.00								ONLY 2" OF WELD REQ'D								
BLN-151	1	MISC	2699C1 NS(BOT)	AISC	0.500	0.375	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						9.25								ONLY 2" OF WELD REQ'D								
BLN-151	1	MISC	2699C2 FS(TOP)	AISC	0.500	0.375	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						9.00								ONLY 2" OF WELD REQ'D								
BLN-151	1	MISC	2699C2 FS(BOT)	AISC	0.500	0.375	FILLET	FILLET	4RW0425X2 19R4	FAZY	BH	091980						MDD	100287						9.25								ONLY 2" OF WELD REQ'D								
BLN-151	1	MISC	12R 2700D(TOP)	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287						16.00															
BLN-151	1	MISC	12R 2700D(BOT)	AISC	0.750	0.500	FILLET	FILLET	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287						16.00															
BLN-151	1	MISC	12R 2700 D1	AISC	0.375	0.500	GROOVE	GROOVE	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287											16.00					X					
BLN-151	1	MISC	12R 2700 D2	AISC	0.500	0.500	GROOVE	GROOVE	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287														INACESSIBLE, CHECKED SIZE ONLY								
BLN-151	1	MISC	12R 2701 A4	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	FAWO	WP	080582						MDD	100287						12.50															
BLN-151	1	MISC	12R 2704 A7 NS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FALK	CT	030582						MDD	100287						18.50															

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STRU=STRUCT STL
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F/BEV=FILLET ON A BEVEL
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EVALUATION RESULTS

A1=ACCEPT BY INSP
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NC	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-151	1	MISC	12R 2704 A7 FS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FALK	CT	030582						MDD	100287						18.50																
BLN-151	1	MISC	12R 2705 B NS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FCHV	CT	030582						MDD	100287						18.50																
BLN-151	1	MISC	12R 2705 B FS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FCHV	CT	030582						MDD	100287						18.50																
BLN-151	1	MISC	12R 2706 C NS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FCHV	CT	030582						MDD	100287						11.25																
BLN-151	1	MISC	12R 2706 C FS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FCHV	CT	030582						MDD	100287						11.25																
BLN-151	1	MISC	12R 2707 D NS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FALK	CT	030582						MDD	100287						11.25																
BLN-151	1	MISC	12R 2707 D FS	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	FALK	CT	030582						MDD	100287						11.25																
BLN-151	1	MISC	12R 2708 E NS	AISC	0.375	0.250	FILLET	FILLET	4RW0425X2 19R4	FAWO	CT	030582						MDD	100287						11.50																
BLN-151	1	MISC	12R 2708 E FS	AISC	0.375	0.250	FILLET	FILLET	4RW0425X2 19R4	FAWO	CT	030582						MDD	100287						11.50																
BLN-151	1	MISC	2722A3(TOP)	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	IAAT	DO	030183						MDD	100287						11.50																
BLN-151	1	MISC	2722A3(BOT)	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	IAAT	DG	030183						MDD	100287						11.25																
BLN-151	1	MISC	2723B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						11.00																
BLN-151	1	MISC	2723B1 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						11.00																
BLN-151	1	MISC	2723B2 NS(BOT)	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						11.00																
BLN-151	1	MISC	2723B2 FS(BOT)	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						11.00																
BLN-151	1	MISC	12R 2724 C3 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						2.50																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC DR CDDE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-151	1	MISC	12R 2724 C3 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						2.50																
BLN-151	1	MISC	12R 2724 C4 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						2.50																
BLN-151	1	MISC	12R 2724 C4 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAEX	CT	040583						MDD	100287						2.50																
BLN-152	1	MISC	12R 3032	AISC	N/A	1.250	GROOVE	GROOVE	4RW0425X2 28R4	FAXA	WS	030383						RMC	092487						88.00																
BLN-152	1	MISC	12R 3032	AISC	N/A	VARIES	GROOVE	GROOVE	4RW0425X2 28R4	FAXA	WS	030383						RMC	092487						318.00																
BLN-153	1	MISC	12R 3117 (TOP)	AISC	0.375	0.375	F/GRV	GROOVE	4RW0425X2 25R5	IAEX	DG	071383						RMC	093087						20.00																
BLN-153	1	MISC	12R 3117 (BOT)	AISC	0.375	0.375	F/GRV	GROOVE	4RW0425X2 25R5	IAEX	DG	071383						RMC	093087						20.00																
BLN-153	1	MISC	12R 3125 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 25R5	IALH	AH	070883						RMC	093087						14.50	0.50											X				
BLN-153	1	MISC	12R 3125 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 25R5	IALH	AH	070883						RMC	093087						15.00																
BLN-153	1	MISC	12R 3126 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 25R5	IAEX	AH	070883						RMC	093087						7.00	8.00											X				
BLN-153	1	MISC	12R 3120 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 25R5	IAEX	AH	070883						RMC	093087						6.00	9.00											X				
BLN-153	1	MISC	12R 3126 TOE	AISC	N/A	0.500	GROOVE	GROOVE	4RW0425X2 25R5	IALH	AH	070883						RMC	093087						15.00																
BLN-153	1	MISC	12R 3126 HEEL	AISC	N/A	0.500	GROOVE	GROOVE	4RW0425X2 25R5	IALH	AH	070883						RMC	093087						15.00																
BLN-153	1	MISC	12R 3133 NS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 25R5	IAEX	TA	060883						RMC	090587						11.25	0.75											X				
BLN-153	1	MISC	12R 3133 FS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 25R5	IAEX	TA	060883						RMC	090587						11.50	0.50											X				
BLN-153	1	MISC	12R 3134	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 25R5	IAEX	DG	071383						RMC	090587						11.00																

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
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UC - UNDERCUT
PO - POROSITY
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WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-153	1	MISC	XX-20 NS	AISC	0.250	0.230	FILLET	FILLET	4RW0425X2 25R5									RMC	090587						33.00															
BLN-153	1	MISC	XX-20 FS	AISC	0.250	0.250	FILLET	FILLET	4RW0425X2 25R5									RMC	090587						33.00															
BLN-154	1	MISC	12R 3377 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R8	FAOM	TA	111582						RMC	092187						8.00															
BLN-154	1	MISC	12R 3377 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAOM	TA	111582						RMC	092187						8.00															
BLN-154	1	MISC	12R 3378 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAOM	TA	111582						RMC	092187						8.00															
BLN-154	1	MISC	12R 3378 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAOM	TA	111582						RMC	092187						8.00															
BLN-155	2	MISC	22R 2130 NS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FBCV	MM	072980						MDD	041486						12.50															
BLN-155	2	MISC	22R 2130 FS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FBCV	MM	072980						MDD	041486						12.50															
BLN-155	2	MISC	22R 2131 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAIA	MM	042283						MDD	041486						26.00															
BLN-155	2	MISC	22R 2131 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	IAIA	MM	042283						MDD	041486						26.00															
BLN-155	2	MISC	22R 2132 T	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAIA	RW	042183						MDD	041486						17.00															
BLN-155	2	MISC	22R 2132 B	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAIA	RW	042183						MDD	041486						17.00															
BLN-155	2	MISC	22R 2133 T	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAKA	RW	042183						MDD	041486						17.00															
BLN-155	2	MISC	22R 2133 B	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAKA	RW	042183						MDD	041486						17.00															
BLN-155	2	MISC	22R 2134 T	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAKA	RW	042183						MDD	041486						11.25															
BLN-155	2	MISC	22R 2134 B	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAKA	RW	042183						MDD	041486						11.25															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT NSP BY	VT DATE MDDY	MT/PT MT PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	W S	WL	UC	PO	LF	W SP
BLN-155	2	MISC	22R 2135 T	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAIA	RW	042183						MDD	040287						11.25															
BLN-155	2	MISC	22R 2135 B	AISC	N/A	1.000	GROOVE	GROOVE	4RW0425X2 19R4	IAIA	RW	042183						MDD	040287						11.25															
BLN-155	2	MISC	22R 2136 NS	AISC	0.250	0.250	FILLET	FILLET	4RW0425X2 19R4	IAIA	RW	042183						MDD	040287						12.50															
BLN-155	2	MISC	22R 2133 FS	AISC	0.250	0.250	FILLET	FILLET	4RW0425X2 19R4	IAIA	RW	042183						MDD	041 487						12.50															
BLN-155	2	MISC	22R 2137 NS	AISC	0.313	0.250 S	FILLET	FILLET	4RW0425X2 19R4	IAXA	RW	042183						MDD	041 487						12.50															
BLN-155	2	MISC	22R 2137 FS	AISC	0.313	0.250	FILLET	FILLET	4RW0425X2 19R4	IAXA	RW	042183						MDD	080087						12.50															
BLN-155	2	MISC	22R 2138 T	AISC	0.625	0.500	GROOVE	GROOVE	4RW0425X2 19R4	FAHM	AH	060582						MDD	080087						16.25															
BLN-155	2	MISC	22R 2138 B	AISC	0.625	0.500	GROOVE	GROOVE	4RW0425X2 19R4	FAHM	AH	060582						MDD	080087						16.25															
BLN-155	2	MISC	22R 2139 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAHM	AH	030582						MDD	041 7						12.75															
BLN-155	2	MISC	22R 2139 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAHM	AH	060582						MDD	041 7						12.75															
BLN-155	2	MISC	22R 2140 NS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAXA	WS	050482						MDD	080087						6.00								2" LONG WELD REQUIRED								
BLN-155	2	MISC	22R 2140 FS	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4	FAXA	WS	050482						MDD	041 7						6.00								2" LONG WELD REQUIRED								
BLN-155	2	MISC	22R 2140 A NS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FAXA	WS	050482						MDD	041 7						14.88															
BLN-155	2	MISC	22R 2140 A FS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4	FAXA	WS	050482						MDD	041 7						14.88															
BLN-155	2	MISC	22R 2141 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	FAHM	AH	060582						MDD	080587						11.50															
BLN-155	2	MISC	22R 2141 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	FAHM	AH	060582						MDD	041 7						11.50															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-155	2	MISC	22R 2144A T	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	FCBC	MM	080582						MDD	041488						11.25															
BLN-155	2	MISC	22R 2144A B	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4	FCBC	MM	080582						MDD	041488						11.25															
BLN-155	2	MISC	U-T	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4									MDD	041488						*							* NOT ACCESSIBLE								
BLN-155	2	MISC	U-B	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 19R4									MDD	041488						16.25															
BLN-155	2	MISC	V NB	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4									MDD	041488						7.50															
BLN-155	2	MISC	V FS	AISC	0.500	0.500	FILLET	FILLET	4RW0425X2 19R4									MDD	041488						7.38															
BLN-155	2	MISC	W NS	AISC	0.375	0.500	FILLET	FILLET	4RW0425X2 19R4									MDD	041488											7.50				X						
BLN-155	2	MISC	W FS	AISC	0.375	0.500	FILLET	FILLET	4RW0425X2 19R4									MDD	041488											7.36				X						
BLN-155	2	MISC	X	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 19R4									MDD	041488						32.00															
BLN-155	2	MISC	Y	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R4									MDD	041488						41.00															
BLN-156	2	MISC	22R 2072	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 16R3	IAEN	AH	050483						MDD	033188						62.50															
BLN-156	2	MISC	22R 2073	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 16R3	IALH	MM	041963						MDD	033188						36.50															
BLN-150	2	MISC	22R 2074	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 19R3	IAEN	AN	050483						MDD	033188						48.09															
BLN-156	2	MISC	22R 2075	AISC	0.625	0.625	FILLET	FILLET	4RW0425X2 16R3	IAEN	AH	050483						MDD	033188						28.00															
BLN-150	2	MISC	22R 2076	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 16R3	IALH	RW	042683						MDD	033188						100.00															
BLN-150	2	MISC	22R 2077	AISC	0.375	0.375	FILLET	FILLET	4RW0425X2 16R3	IALH	AH	042283						MDD	033188						76.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-156	2	MISC	P	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 18R3									MDD	033166						28.50																
BLN-156	2	MISC	Q	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 18R3									MDD	033166						28.50																
BLN-156	2	MISC	22R 2092	AISC	0.313	0.313	FILLET	FILLET	4RW0425X2 16R3	IALH	AH	042263						MDD	033166						12.75																
BLN-156	2	MISC	22R 2096	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 18R3	IALH	RW	042663						MDD	033166						30.00																
BLN-156	2	MISC	22R 2092	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 18R3	IALH	RW	042663						MDD	033166						14.50																
BLN-155	2	MISC	X	AISC	N/A	N/A	GROOVE	GROOVE	4RW0425X2 18R3									MDD	033166						13.00																
BLN-150	2	MISC	22R 2096	AISC	0.438	0.313	FILLET	FILLET	4RW0425X2 18R3	IALH	AH	042263						MDD	033166						13.00																
BLN-157	1	MISC	1	AISC	0.500	0.375	FILLET	FILLET	4AW0643X2 9R6									MDD	041066						17.00																
BLN-157	1	MISC	2	AISC	0.500	0.375	FILLET	FILLET	4AW0643X2 9R8									MDD	041066						17.00																
BLN-157	1	MISC	3	AISC	0.500	0.500	FILLET	FILLET	4AW0643X2 9R0									MDD	041066						27.00																
BLN-157	1	MISC	1A6 786 FS	AISC	N/A	N/A	GROOVE	GROOVE	4AW0643X2 9R6	FAOM	FH	022060						MDD	041066											41.61		CONNVEXITY			X		X			
BLN-157	1	MISC	1A6 786 NS	AISC	N/A	N/A	GROOVE	GROOVE	4AW0643X2 9R8	FAOM	FH	022060						MDD	041066											42.00		CONNVEXITY			X					
BLN-157	1	MISC	1A6 787 NS	AISC	N/A	N/A	GROOVE	GROOVE	4AW0643X2 9R6	FBDP	FH	022260						MDD	041066						14.00																
BLN-157	1	MISC	1A6 787 FS	AISC	N/A	N/A	GROOVE	GROOVE	4AW0643X2 9R6	FBDP	FH	022260						MDD	041066						14.00																
BLN-155	2	MISC	22R 3757	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 21R2	FCRJ	RW	102404						EDB	051566						40.00																
BLN-150	2	MISC	22R 3758	AISC	N/A	N/A	GROOVE	FBEV	4RW0531X2 21R2	FCRJ	RC	110264						EDB	051566						40.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-156	2	MISC	22R 3759	AISC	N/A	N/A	GROOVE	FBEV	4RW0531X2 21R2	FCRJ	RC	110584						EDB	031588						40.00							16.0" INACESSIBLE								
BLN-156	2	MISC	22R 3760	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 21R2	FCRJ	RW	102484						EDB	031588						32.00									X						X
BLN-155	2	MISC	22R 3761	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 21R2	FCHW	MM	111384						EDB	031588						17.00															
BLN-150	2	MISC	22R 3762	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCHW	MM	111384						EDB	031588						10.50					1.50									X	
BLN-156	2	MISC	22R 3763	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCRJ	MM	111484						EDB	031588						12.00									X						
BLN-156	2	MISC	22R 3704	AISC	0.250	0.250	*	FILLET	4RW0531X2 21R2	FAKM	MM	111484						EDB	031588						16.00							* NOT NOTED BY CWI								
BLN-156	2	MISC	22R 3771	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 21R2	FAKP	RC	110584						EDB	031588						16.00															
BLN-156	2	MISC	22R 3772	AISC	0.683	0.688	FILLET	FILLET	4RW0531X2 21R2	FAKP	RC	110684						EDB	031588						9.00															
BLN-156	2	MISC	22R 3772	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 21R2	FAKP	RC	110684						EDB	031588						19.75					0.25									X	X
BLN-156	2	MISC	22R 3774	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 21R2	FAKP	RC	110684						EDB	031588						20.00															
BLN-156	2	MISC	22R 3775	AISC	0.688	0.688	FILLET	FILLET	4RW0531X2 21R2	FAKP	RC	110684						EDB	031588						9.00															
BLN-153	2	MISC	22R 3776	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCRJ	JB	101084						EDB	031588						17.00															
BLN-156	2	MISC	22R 3777	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCRJ	JB	101984						EDB	031588						17.00															X
BLN-156	2	MISC	22R 3778	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCRJ	JB	101984						EDB	031588						17.00															
BLN-153	2	MISC	22R 3779	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FCRJ	JB	101984						EDB	031588						17.00															
BLN-153	2	MISC	22R 3780W	AISC	0.688	0.688	FILLET	FILLET	4RW0531X2 21R2	FCRJ	JB	102984						EDB	031588						40.00							INACCESSIBLE FOR 40"								

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
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A1=ACCEPT BY INSP
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A4=ACC BY CHAR AND RECON
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A6=ACC BY EVALUATION
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N/A=NOT APPLICASLE

REJECT CODE

LI - LINEAR INDICATION
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	RT	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-156	2	MISC	22R 3780E	AISC	0.688	0.688	FILLET	FILLET	4RW0531X2 21R2	FCRJ	JB	102984						EDB	031 087						40.00															
BLN-156	2	MISC	22R 3781	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 21R2	FAKP	RC	110884						EDB	031 087						4.00	12.00											X			
BLN-156	2	MISC	22R 3783	AISC	0.438	0.438	FILLET	FILLET	4RW0331X2 21R2	FAKP	RC	110884						EDB	031 087						4.00	12.00											X			X
BLN-155	2	MISC	22R 444A	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 21R2	FCRJ	RW	102484						EDB	031 487						3.00									X						
BLN-156	2	MISC	22R 444B	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 21R2	FCRJ	RW	102484						EDB	031 487						3.00															
BLN-156	2	MISC	22R 444C	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 21R2	FCRJ	RW	102484						EDB	031 087						3.00															
BLN-159	2	MISC	22R 2644	AISC	N/A	N/A	GROOVE	GROOVE	4RW0537X2 1R9	FAHM	RW	091083						MDD	031 087						16.00															
BLN-159	2	MISC	22R 2645	AISC	N/A	N/A	GROOVE	GROOVE	4RW0557X2 1R9	FAHM	RW	081083						MDD	031 087						16.00															
BLN-160	1	MISC	IT6-27	AISC	0.625	0.625	FILLET	FILLET	4TW0311X2 2R4	FBLO	NA	043082						MDD	0311 7						45.00															
BLN-100	1	MISC	IT6-28	AISC	N/A	N/A	GROOVE	GROOVE	4TW0311X2 2R4	FBLO	NA	043082						MDD	0311 7						16.00															
BLN-160	1	MISC	IT6-29	AISC	N/A	N/A	GRDOVE	GROOVE	4TW0311X2 2R4	FBLO	NA	043082						MDD	031 087						32.00															
BLN-160	1	MISC	IT6-30	AISC	0.563	0.625	FILLET	FILLET	4TW0311X2 2R4	FBLO	NA	043082						MDD	0311 7						37.00					7.00					X					
BLN-160	1	MISC	IT6-37	AISC	0.750	0.625	FILLET	FILLET	4TW0311X2 2R4	FAOC	NA	122381						MDD	0311 7						96.00															
BLN-160	1	MISC	IT6-38	AISC	0.750	0.625	FILLET	FILLET	4TW0311X2 2R4	FAQC	NA	122381						MDD	0311 7						96.00															
BLN-160	1	MISC	IT6-39	AISC	0.500	0.375	FILLET	FILLET	4TW0311X2 2R4	FAW8	RG	080582						MDD	031 087						53.00															
BLN-161	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	0RIEPHG0662F R2		JH	051						EFH	09126 7						12.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-161	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	0RIEPHG0662F R2		JH	051380						EFH	091287						4.00																
BLN-161	1	PS	C-FILLET	AISC	0.313	0.250	FILLET	FILLET	0RIEPHG0662F R2		JH	051380						EFH	091287						6.00																
BLN-161	1	PS	C-FLARE	AISC	N/A	N/A	FLARE	FBEVEL	0RIEPHG0662F R2		JH	051380						EFH	091287						6.00																
BLN-162	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHGA004F R1		MP	031483						RMC	091287						12.09																
BLN-162	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	1RIEPHGA004F R1		MP	031483						RMC	091287						4.00																
BLN-163	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0391F R1		TH	061280						SEA	091587						8.00																
BLN-163	1	PS	S1	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0391F R1		TH	061280						SEA	091587						2.00																
BLN-163	1	PS	S2	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0391F R1		TH	061280						SEA	091587						2.00																
BLN-164	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0723F R0		AV	072981						EFH	091287						8.00																
BLN-164	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0723F R0		AV	072981						EFH	091287						4.00																
BLN-165	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0999F R2		ZR	121481						MDD	091787						8.09																
BLN-165	1	PS	B	AISC	0.250	0.250	F/FBEV	F/FBEV	1RIEPHG0999F R2		ZR	121481						MDD	061787						8.00																
BLN-165	1	PS	C	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0999F R2		ZR	121481						MDD	091787						3.00																
BLN-165	1	PS	D	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG0999F R2		ZR	121481						MDD	001787						8.00																
BLN-165	1	PS	E	AISC	0.250	0.250	F/FBEV	F/FBEV	1RIEPHG0999F R2		ZR	121481						MDD	001787						8.00																
BLN-166	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1015F R0		JS	100981						SEA	091587						10.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-166	1	PS	B1	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1015F R0		JS	100981						SEA	091687					2.00																
BLN-166	1	PS	B2	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1015F R0		JS	100981						SEA	091687					2.09																
BLN-167	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1067F R2		AV	101482						MDD	001787					6.09																
BLN-167	1	PS	B	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1067F R2		AV	101482						MDD	091787					6.00																
BLN-167	1	PS	C	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1067F R2		AV	101482						MDD	091787					4.00																
BLN-168	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1622F R0		TA	033182						SEA	091687					6.09																
BLN-168	1	PS	B1	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1622F R0		TA	033182						SEA	091687					1.03																
BLN-168	1	PS	B2	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1622F R0		TA	033182						SEA	091687					1.50																
BLN-169	1	PS	A	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1644F R1		TA	022483						SEA	091587					6.06																
BLN-169	1	PS	B-FIL.	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1644F R1		TA	022483						SEA	091587					4.06																
BLN-169	1	PS	B-FBEVL	AISC	N/A	N/A	FBEVEL	FBEVEL	1RIEPHG1644F R1		TA	022483						SEA	091587					4.00																
BLN-169	1	PS	C1	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1644F R1		TA	022483						SEA	091587					1.67					0.13						X				
BLN-169	1	PS	C2	AISC	0.250	0.250	FILLET	FILLET	1RIEPHG1644F R1		TA	022483						SEA	091587					1.75					0.25						X				
BLN-170	2	PS	A	AISC	0.250	0.250	FILLET	FILLET	2RIEPHG0101F R1		DH	120101						RMC	091387					12.00																
BLN-170	2	PS	B	AISC	0.250	0.250	FILLET	FILLET	2RIEPHG0101F R1		DH	120181						RMC	001387					4.06																
BLN-170	2	PS	C-VERT	AISC	N/A	N/A	GROOVE	FBEVEL	2RIEPHG0101F R1		DH	120181						RMC	091387					6.06																

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REJECT CODE

LI - LINEAR INDICATION
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WS - WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-170	2	PS	C-HORIZ	AISC	0.250	0.250	FILLET	FILLET	2RIEPHG0101F R1		DH	120181						RMC	091387						6.00																
BLN-171	1	MISC	197	111NF	0.500	0.500	FILLET	FILLET	1RN0430X2 10R4	FAGM	RC	022478	MT	RC	022478			AR	040186	MT	AR	040186			36.00																
BLN-171	1	MISC	226	111NF	0.750	0.750	FILLET	FILLET	1RN0430X2 10R4	FCLZ	DG	111082	MT	JB	111082			AR	040186	MT	AR	040186			92.00																
BLN-171	1	MISC	226CR1	111NF	0.375	0.375	FILLET	FILLET	1RN0430X2 10R4	FCLZ	DG	111082	MT	JB	111082			AR	040186	MT	AR	040186			4.00																
BLN-172	1	MISC	1422	AISC	0.375	0.250	FILLET	FILLET	4AWO840X2 1R6	FBCS	BR	071581						MDD	040186						18.00																
BLN-172	1	MISC	81	AISC	0.250	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAUZ	JS	042680						MDD	040186						12.00																
BLN-172	1	MISC	82	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAUZ	JS	042680						MDD	040186						0.00																
BLN-172	1	MISC	1424	AISC	0.313	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	RS	021281						MDD	040186						16.00																
BLN-172	1	MISC	1425	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	RS	020481						MDD	040186						9.00																
BLN-172	1	MISC	1426R1	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	RS	020581						MDD	040186						9.06																
BLN-172	1	MISC	1427	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	RS	020581						MDD	040186						38.50																
BLN-172	1	MISC	1426A&B	AISC					4AWO840X2 1R6	FAZS	RS	020481																				INACESSIBLE									
BLN-172	1	MISC	1429C	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	MJ	021981						MDD	040186						78.09																
BLN-172	1	MISC	1428	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAZS	MJ	021981						MDD	040186						78.50																
BLN-172	1	MISC	1428D	AISC	N/A	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAZS	MJ	021981						MDD	040186						3.09																
BLN-174	2	MISC	563R1	AISC	0.375	0.250	FILLET	FILLET	4AWO040X2 1R6	FAWG	MP	100782						MDD	031286						18.00																

SELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
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CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

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MISC=MISC STL
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DS=DUCT SPT
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FBEV=FLAIR BEVEL
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EVALUATION RESULTS

A1=ACCEPT BY INSP
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REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
UC - UNDERCUT
PO - POROSITY
WS - WELD SIZE
LF - LACK OF FUSION
WL - WELD LENGTH
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-174	2	MISC	562R1	AISC	0.375	0.250	FILLET	FILLET	4AWO840X2 1R6	FAWG	MP	100						MDD	031687						16.00																
BLN-174	2	MISC	1305	AISC	0.250	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAWD	DH	030682						MDD	031687						9.00																
BLN-174	2	MISC	1306	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAWD	DH	030682						MDD	031787						6.00																
BLN-174	2	MISC	1307	AISC	0.250	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAWD	DH	030682						MDD	031787						9.00																
BLN-174	2	MISC	1308	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAWD	DH	030682						MDD	031787						6.00																
BLN-174	2	MISC	1307A	AISC	0.250	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAWG	DH	091082						MDD	031687						9.00																
BLN-174	2	MISC	1307B	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAWG	DH	091082						MDD	031687						9.06								BASE METAL DAMAGE 1"X1/4"X1/8"								
BLN-174	2	MISC	1307C	AISC	0.250	N/A	GROOVE	GROOVE	4AWO840X2 1R6	FAWG	DH	091082						MDD	051 7						9.00																
BLN-174	2	MISC	1307D	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FAWG	DH	091082						MDD	031 7						6.00																
BLN-175	2	MISC	1321	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FCKD	ZR	121980						MDD	031 7						16.00																
BLN-175	2	MISC	1322	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FCKD	ZR	121980						MDD	031 7						16.00																
BLN-175	2	MISC	1323	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FCKD	ZR	121980						MDD	031587						16.09																
BLN-175	2	MISC	1324	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FCKD	MD	010582						MDD	031 7						6.00					3.00		3" OF FILLET WELD NOT INSTALLED DU				X				
BLN-175	2	MISC	1325	AISC	0.250	0.250	FILLET	FILLET	4AWO040X2 1R6	FCKD	MD	122981						MDD	031 7						6.00					3.00		TO BACKING BAR				X				
BLN-175	2	MISC	1326	AISC	0.250	0.250	FILLET	FILLET	4AWO040X2 1R6	FCKN	MD	012682						MDD	031387						40.50																
BLN-175	2	MISC	1327	AISC	0.250	0.250	FILLET	FILLET	4AWO840X2 1R6	FCQE	MD	120382						MDD	031 7						64.06																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-175	2	MISC	1327A	AISC	0.250	N/A	GROOVE	GROOVE	4AW0840X2 1R6	FCKD	MD	122981						MDD	031288						3.00															
BLN-175	2	MISC	1327B	AISC					4AW0840X2 1R6	FCKD	MD	010582																				INACESSIBLE								
BLN-175	2	MISC	1327C	AISC	0.250	0.250	FILLET	FILLET	4AW0840X2 1R6	FCOE	MD	120382						MDD	031288						75.00															
BLN-175	2	MISC	1327D	AISC	0.250	N/A	GROOVE	GROOVE	4AW0840X2 1R6	FCKN	DH	013082						MDD	031288						3.09															
BLN-177	1	MISC	1560B	AISC	N/A	N/A	GROOVE	GROOVE	4RW0531X2 3R6	FBMA	TA	032682						MDD	040988						4.09															
BLN-177	1	MISC	1560D	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 3R6	FBMA	SG	031582						MDD	040988						47.00															
BLN-177	1	MISC	1561A	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 3R6	FBMA	TA	032682						MDD	040988						20.00															
BLN-177	1	MISC	1561C	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 3R6	FBMA	TA	032682						MDD	040988						11.50															
BLN-177	1	MISC	1561E	AISC	0.313	0.313	FILLET	FILLET	4RW0531X2 3R6	FBMA	SG	031582						MDD	040988						24.50															
BLN-177	1	MISC	1561G	AISC	0.250	0.250	FILLET	FILLET	4RW0531X2 3R6	FBMA	TA	032682						MDD	040988						15.09															
BLN-177	1	MISC	N	AISC	0.375	0.250	FILLET	FILLET	4RW0531X2 3R6									MDD	040988						35.00															
BLN-181	2	STRU	2R4 131 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	TH	111478	MT	TH	111478			RMC	091287	MT	RMC	022788			16.00					3.00				X		X				
BLN-181	2	STRU	2R4 131 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	TH	111478	MT	TH	111478			RMC	091287	MT	RMC	022788			20.75					0.25				X		X				
BLN-182	2	STRU	2R4 132 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAJG	MT	091578	MT	MT	091578			CAF	091207	MT	RMC	022788			20.12					0.09				X		X	X			
BLN-182	2	STRU	2R4 132 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAJG	MT	001578	MT	MT	091578			CAP	091287	MT	RMC	022788			20.58					0.75				X		X	X			
BLN-183	2	STRU	2R4 140 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	CH	102478	MT	CH	102478			MDD	091287	MT	RMC	022788			17.75					0.25				X			X			

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-193	2	STRU	2R4 148 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	CH	192478	MT	CH	102478			MDD	001287	MT	RMC	022788			18.00														
BLN-194	2	STRU	2R4 164 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAIB	TH	092578	MT	TH	092578			MDD	092387	MT	MDD	082487			15.50					1.50				X		X			
BLN-164	2	STRU	2R4 164 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAIB	TH	092578	MT	TH	092578			MDD	092387	MT	MDD	082487			15.50					1.50				X		X			X
BLN-184	2	STRU	2R4 165 B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	082487			4.00														
BLN-184	2	STRU	2R4 105 B2 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	092487			15.00					2.00				X		X			
BLN-164	2	STRU	2R4 105 B3 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	082487			3.00					1.00		CONVEXITY			X				X
BLN-184	2	STRU	2R4 165 B1 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	092487			3.87					0.13		CRATER			X				X
BLN-184	2	STRU	2R4 165 B2 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	092487			16.97					0.13		CONVEXITY		X	X				X
BLN-184	2	STRU	2R4 165 B3 FS	AISC	0.313	0.313	FILLET	FILLET	4RW6417X2 1R4	IAIB	TH	092278	MT	TH	092278			MDD	092387	MT	MDD	092487			3.44					0.50		OVERLAP					X		X
BLN-185	2	STRU	2R4 174 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	CH	192478	MT	CH	102478			MDD	100287	MT	RMC	022788			29.87					0.13				X		X		X	
BLN-185	2	STRU	2R4 174 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	CH	102478	MT	CH	102478			MDD	100287	MT	RMC	022788			29.75					0.25		SLAG				X			
BLN-185	2	STRU	2R4 175 B1 NS	AISC	0.313	0.438	FILLET	FILLET	4RW0417X2 1R4	IAHS	MT	001578	MT	MT	091578			MDD	100287	MT	RMC	022788									3.50			X	X				X
BLN-185	2	STRU	2R4 175 B2 NS	AISC	0.313	0.438	FILLET	FILLET	4RW0417X2 1R4	IAHS	MT	091578	MT	MT	091578			MDD	100287	MT	RMC	022788									30.00			X	X				X
BLN-185	2	STRU	2R4 175 B3 NS	AISC	*	0.438	*	FILLET	4RW0417X2 1R4	IAHS	MT	091578	MT	MT	091578			MDD	100287	MT	RMC	022788									3.50	WELD DEPOSITED ON WEB ONLY						X	
BLN-185	2	STRU	2R4 175 B1 FS	AISC	0.438	0.438	FILLET	FILLET	4RW0417X2 1R4	IAHS	MT	091578	MT	MT	091578			MDD	100287	MT	RMC	022788			3.50														X
BLN-185	2	STRU	2R4 175 B2 FS	AISC	0.375	0.438	FILLET	FILLET	4RW0417X2 1R4	IAHS	MT	091578	MT	MT	091578			MDD	100287	MT	RMC	022788									30.00				X				

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-165	2	STRU	2R4 175 B3 FS	AISC		0.438		FILLET	4RW0417X2 1R4	IAHS	MT	001578	MT	MT	001578	PAGE#		MDD	100287	MT	RMC	022788									3.50	NO WELD DEPOSIT								
BLN-166	2	STRU	2R4 184 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	001387	MT	RMC	022788			16.75					0.25		SLAG					X			
BLN-166	2	STRU	2R4 184 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			17.00							SLAG								
BLN-166	2	STRU	2R4 185 B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			3.50															
BLN-106	2	STRU	2R4 185 B2 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			17.06															
BLN-106	2	STRU	2R4 185 B3 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788								3.50							X			
BLN-106	2	STRU	2R4 185 B1 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			3.50															
BLN-106	2	STRU	2R4 185 B2 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			17.00															
BLN-168	2	STRU	2R4 185 B3 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	CH	111178	MT	CH	111178			RMC	091387	MT	RMC	022788			0.50					3.00							X			
BLN-167	2	STRU	2R4 106 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAI6	CH	110178	MT	CH	110178			RMC	091287	MT	RMC	022788			7.75					1.25							X			
BLN-167	2	STRU	2R4 166 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAIB	CH	110178	MT	CH	110178			RMC	091207	MT	RMC	022788			7.75					1.25							X			
BLN-167	2	STRU	2R4 167 B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	CH	110178	MT	CH	110178			RMC	001207	MT	RMC	022788			4.00															
BLN-167	2	STRU	2R4 167 B2 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	CH	110178	MT	CH	110178			RMC	091287	MT	RMC	022788			8.81					0.19							X			
BLN-167	2	STRU	2R4 167 B3 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	CH	110178	MT	CH	110178			RMC	091287	MT	RMC	022788			3.87					0.13		ROLLOVER					X			
BLN-167	2	STRU	2R4 167 B FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAIB	CH	110178	MT	CH	110178			RMC	091287	MT	RMC	022788			17.00															
BLN-169	2	STRU	2R4 208 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	TH	102578	MT	TH	102578			RMC	092387	MT	RMC	082487			7.50					1.50							X			

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WSP - WELD SPATTER

INSPEC PACK WP-C-	IT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-188	2	STRU	2R4 208 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAHS	TH	1025	MT	TH	1025			RMC	092687	MT	RMC	092			2.50					1.50						X				
BLN-188	2	STRU	2R4 209 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAHS	TH	1025	MT	TH	10257			RMC	687	MT	RMC	092			18.57					0.13				X						
BLN-198	2	STRU	2R4 209 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAHS	TH	102682	MT	TH	10257			RMC	787	MT	MC	092			17.09							ROLLOVER								
BLN-109	2	STRU	2R4 192 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	TH	092482	MT	TH	09247			CAF	091387	MT	RMC				19.62					0.63		SLAG, REPAIR RECOMMENDED		X			X			
BLN-189	2	STRU	2R4 192 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0417X2 1R4	IAGC	TH	092482	MT	TH	09247			CAF	091387	MT	RMC	0927			19.50					0.25		SLAG, REPAIR RECOMMENDED		X	X	X	X		X	
BLN-189	2	STRU	2R4 183B1&2 N	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	MT	091282	MT	MT	0912			CAF	091687	MT	RMC				24.00									X						
BLN-109	2	STRU	2R4 183 B3 NS	AISC	0.168	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	MT	091282	MT	MT	09127			CAF	091687	MT	RMC									3.25		SLAG, REPAIR RECOMMENDED			X					
BLN-189	2	STRU	2R4 183 B1 FS	AISC	ARIE	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	MT	091282	MT	MT	091			CAF	091387	MT	RMC	092			0.75					3.00		CONVEXITY, REPAIR RECOMMENDED		X	X		X			
BLN-189	2	STRU	2R4 189 B2 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	MT	091282	MT	MT	09127			CAF	091387	MT	RMC	0227			20.06															
BLN-109	2	STRU	2R4 183 B3 FS	AISC	0.168	0.313	FILLET	FILLET	4RW0417X2 1R4	IAGC	MT	091482	MT	MT	0912			CAF	091387	MT	RMC	022								3.75		SLAG, REPAIR RECOMMENDED		X	X					
BLN-190	2	STRU	2R4 292 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAIQ	JP	050282	MT	JP	05027			CAF	092387	MT	RMC	031			14.67					11.38		SLAG, REPAIR RECOMMENDED		X		X	X		X	
BLN-198	2	STRU	2R4 292 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAIQ	JP	050282	MT	JP	05027			CAF	092687	MT	RMC	031			15.87					10.36		SLAG, REPAIR RECOMMENDED		X		X	X	X		X
BLN-191	2	STRU	2R4 296 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	RC	021582	MT	RC	02157			CAF	7	MT	RMC	0301			12.25					9.75		SLAG, LI IN BASE METAL 11" EXC.	X	X			X			X
BLN-191	2	STRU	2R4 296 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	RC	02157	MT	RC	02157			CAF	7	MT	RMC	0301			12.37					8.63		LI IN BASE METAL 8.5" EXC.	X	X		X	X			
BLN-192	2	STRU	2R4 319 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAGC	JP	0411	MT	JP	04117			SEA	387	MT	RMC	031			24.50					5.50		SLAG		X			X			
BLN-192	2	STRU	2R4 310 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAGC	JP	04117	MT	JP	04117			SEA	7	MT	RMC	031			19.00					11.06		SLAG	X	X		X	X		X	

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES HOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
UC - UNDERCUT
PO - POROSITY
WS - WELD SIZE
LF - LACK OF FUSION
WL - WELD LENGTH
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-192	2	STRU	2R4 341 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAGC	JP	041179	MT	JP	041179			SEA	093087	MT	RMC	030188									30.90			X		X			
BLN-193	2	STRU	2R4 341 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAGC	JP	041179	MT	JP	041179			SEA	093087	MT	RMC	030188									36.00					X			
BLN-193	2	STRU	2R4 342 B1 NS	AISC	0.438	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188									4.00				X	X		X	
BLN-193	2	STRU	2R4 342 B2 NS	AISC	0.438	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188									36.00					X			
BLN-193	2	STRU	2R4 342 B3 NS	AISC	0.438	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188			4.00														
BLN-193	2	STRU	2R4 342 B1 FS	AISC	0.188	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188									4.09	SLAG			X					
BLN-193	2	STRU	2R4 342 B2 FS	AISC	0.438	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188									30.00					X			
BLN-193	2	STRU	2R4 342 B3 FS	AISC	0.250	0.438	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	040379	MT	JP	040379			SEA	093087	MT	RMC	030188									4.06				X					
BLN-184	2	STRU	2R4 351 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	JP	030779	MT	JP	030779			SEA	092387	MT	RMC	030188			23.09					1.00			X							
BLN-184	2	STRU	2R4 351 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	JP	030779	MT	JP	021679			SEA	092387	MT	RMC	030188			24.06														
BLN-194	2	STRU	2R4 352 B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188			3.50														
BLN-194	2	STRU	2R4 352 B2 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188			24.00														
BLN-194	2	STRU	2R4 352 B3 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188								3.50		REPAIR RECOMMENDED	X							
BLN-194	2	STRU	2R4 352 B1 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188			3.25					0.50					X				X
BLN-194	2	STRU	2R4 352 B2 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188			24.06									X					
BLN-194	2	STRU	2R4 352 B3 FS	AISC	0.313	0.313	FILLET	FILLET	4RW6419X2 1R9	IAGC	JP	021679	MT	JP	021679			SEA	092387	MT	RMC	030188			1.00					2.75		OVERLAP								

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FSEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
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REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	N_{IT}	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INSP BY	MT/PT DATE MDDY	RT INSP BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-195	2	STRU	2R4 386 HS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R7	IAGC	RC	01247	MT	RC	0124			SEA	09238/687	MT	RMC	031			17.31					3.69					X	X			
BLN-125	2	STRU	2R4 306 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0418X2 1R7	IAGC	RC	01247	MT	RC	0124			SEA	687	MT	RMC	031			21.00							5" OF WELD INACCESSABLE								
BLN-190	1	STRU	1R4 678 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAII	GT	09152/482	MT	GT	00157			MDD	09248/787	MT	RMC	031			20.75					1.25						X			
BLN-106	1	STRU	1R4 678 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAII	GT	06153/482	MT	GT	0915			MDD	09248/787	MT	RMC	031			18.75					13.25						X			
BLN-197	1	STRU	1R4 702 NS	AISC	0.375	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	GT	06143/482	MT	GT	00147			MDD	106/787	MT	RMC	0227									44.00	PLATE 3/8 VS 1/2 REQ'D		X	X					
BLN-197	1	STRU	1R4 702 FS	AISC	0.375	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHS	GT	06143/482	MT	GT	06147			MDD	10018/687	MT	RMC	0227									44.06	PLATE 3/8 VS 1/2 REQ'D			X		X			
BLN-197	1	STRU	1R4 703 B1 NS	AISC	0.313	0.438	FILLET	FILLET	4RW0418X2 1R9	IAHS	EI	06117/482	MT	RN	0611			MDD	10018/687	MT	RMC	0227									4.50	PLATE 3/8 VS 1/2 REQ'D			X					
BLN-197	1	STRU	1R4 703 B2 NS	AISC	0.313	0.438	FILLET	FILLET	4RW0419X2 1R9	IAHS	EI	06117/482	MT	RN	0611			MDD	10018/7	MT	RMC	0227									44.00	PLATE 3/8 VS 1/2 REQ'D			X					
BLN-197	1	STRU	1R4 703 B3 NS	AISC	*	0.438		FILLET	4RW0419X2 1R9	IAHS	EI	06117/482	MT	RN	0611			MDD	10018/7	*	*	*									4.50	PLATE 3/8 VS 1/2 REQ'D			X	X			X	
BLN-197	1	STRU	1R4 703 B1 FS	AISC	0.375	0.438	FILLET	FILLET	4RW0419X2 1R9	IAHS	EI	06117/482	MT	RN	06117			MDD	10018/7	MT	RMC	0227									4.50	PLATE 3/8 VS 1/2 REQ'D		X	X					X
BLN-197	1	STRU	1R4 703 B2 FS	AISC	0.313	0.438	FILLET	FILLET	4RW0419X2 1R9	IAHS	EI	06117/482	MT	RN	06117			MDD	10018/7	MT	RMC	0227									44.06	PLATE 3/8 VS 1/2 REQ'D		X	X		X			X
BLN-197	1	STRU	1R4 703 B3 FS	AISC	*	0.438		FILLET	4RW0419X2 1R9	IAHS	EI	0911/482	MT	RN	0611			MDD	100/587	*	*	*									4.50	PLATE 3/0 VS 1/2 REQ'D			X	X			X	
BLN-198	1	STRU	1R4 714 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAII	EI	07062/482	MT	MJ	0706			CAF	/7	MT	RMC	031			19.75					0.75		OVERLAP, SLAG, REPAIR RECOMMEND	D	X					X	
BLN-198	1	STRU	1R4 714 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R8	IAII	EI	07097	MT	MJ	07087			CAF	/7	MT	RMC	031			20.00					0.50		GRINDING U/C,SLAG, REPAIR RECOMM		X						
BLN-198	1	STRU	1R4 715 B1 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	07067	MT	RN	07067			CAP	09238/687	MT	RMC	051			4.78									X						
BLN-195	1	STRU	1R4 715 B2 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	07067	MT	RN	0706			CAF	09238/7	MT	RMC	031			8.75					13.75		SLAG, REPAIR RECOMMENDED		X	X		X			

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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EVALUATION RESULTS

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REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WB - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-198	1	STRU	1R4 715 B3 NS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	070676	MT	RN	070676			CAF	092387	MT	RMC	031288			5.00							SLAG		X						
BLN-198	1	STRU	1R4 715 B1 FS	AISC	0.313	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	070676	MT	RN	070676			CAF	092387	MT	RMC	031288			4.25					0.75				X		X				
BLN-198	1	STRU	1R4 715 B2 FS	AISC	0.250	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	070676	MT	RN	070676			CAF	092387	MT	RMC	031288			9.37					11.13		REPAIR RECOMMENDED		X	X		X			
BLN-198	1	STRU	1R4 715 B3 FS	AISC	0.250	0.313	FILLET	FILLET	4RW0419X2 1R9	IAII	EI	070676	MT	RN	070676			CAF	092387	MT	RMC	031288								5.00		SLAG, REPAIR RECOMMENDED		X	X		X			
BLN-199	1	STRU	1R4 730 NS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHC	EI	082476	MT	RN	082476			MDD	100287	MT	RMC	031288			14.00					16.00		CONVEXITY, REPAIR RECOMMENDED		X			X			
BLN-199	1	STRU	1R4 730 FS	AISC	N/A	N/A	GROOVE	GROOVE	4RW0419X2 1R9	IAHC	EI	082476	MT	RN	082476			MDD	100287	MT	RMC	031288			16.87					13.13		REPAIR RECOMMENDED		X				X	X	
BLN-199	1	STRU	1R4 731 B1 NS	AISC	0.438	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	031288			4.50														X
BLN-199	1	STRU	1R4 731 B2 NS	AISC	0.438	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	031288			28.25					1.75		REPAIR RECOMMENDED						X	
BLN-198	1	STRU	1R4 731 B3 NS	AISC	0.438	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	031288			4.50							SLAG								
BLN-199	1	STRU	1R4 731 B1 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	061288			4.50														
BLN-199	1	STRU	1R4 731 B2 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	031288			29.25					0.75				X		X				
BLN-198	1	STRU	1R4 731 B3 FS	AISC	0.375	0.313	FILLET	FILLET	4RW0419X2 1R9	IAHC	EI	082176	MT	RN	082176			MDD	100287	MT	RMC	031288			3.25					1.25		OVERLAP, SLAG, REPAIR RECOMMENDED						X	X	
BLN-200	1	STRU	1R4 1680R1 1NS	AISC	0.313	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						3.25														
BLN-200	1	STRU	1R4 1680R1 2NS	AISC	0.375	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						9.06														
BLN-200	1	STRU	1R4 1680R1 3NS	AISC	0.375	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						3.25														
BLN-200	1	STRU	1R4 1680R1 1FS	AISC	0.375	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						3.25														

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F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
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EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-200	1	STRU	1R4 1680R1 2FS	AISC	0.375	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						9.06															
BLN-200	1	STRU	1R4 1680R1 3FS	AISC	0.250	0.250	FILLET	FILLET	4RW0453X2 1R13	IALH	CT	020783						MDD	100287						3.25															
BLN-200	1	STRU	1R4 1681R1 1NS	AISC	0.375	0.375	FILLET	FILLET	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						8.00															
BLN-200	1	STRU	1R4 1681R1 2FS	AISC	0.500	0.375	FILLET	FILLET	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						8.00															
BLN-200	1	STRU	1R4 1681R1 3T	AISC	0.438	0.375	FILLET	FILLET	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						10.50															
BLN-200	1	STRU	1R4 1681R1 4NS	AISC	0.375	0.375	FILLET	FILLET	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						5.00															
BLN-200	1	STRU	1R4 1681R1 4FS	AISC	0.438	0.375	FILLET	FILLET	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						5.00															
BLN-200	1	STRU	1R4 2655	AISC	N/A	N/A	GROOVE	GROOVE	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						3.00															
BLN-200	1	STRU	1R4 2655	AISC	N/A	N/A	GROOVE	GROOVE	4RW0453X2 1R13	IALH	TA	011483						MDD	100287						3.06															
BLN-200	1	STRU	W1	AISC	0.250	0.375	FILLET	FILLET	4RW0453X2 1R13									MDD	100287											7.00					X					
BLN-200	1	STRU	W2	AISC	0.250	0.375	FILLET	FILLET	4RW0453X2 1R13									MDD	100287											7.00					X					
BLN-200	1	STRU	W3	AISC	0.250	0.375	FILLET	FILLET	4RW0453X2 1R13									MDD	100287											7.00					X					
BLN-200	1	STRU	W4	AISC	0.250	0.375	FILLET	FILLET	4RW0453X2 1R13									MDD	100287											7.00					X					
BLN-200	1	STRU	W5	AISC	0.250	0.250	FILLET	FILLET	4RW0453X2 1R13									MDD	100287						10.00															
BLN-200	1	STRU	W6	AISC	0.250	0.250	FILLET	FILLET	4RW0453X2 1R13									MDD	100287						10.00															
BLN-200	1	STRU	W7	AISC	0.198	0.168	FILLET	FILLET	4RW0453X2 1R13									MDD	100287						21.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PB=PIPE SPT
PBNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
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EVALUATION RESULTS

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-200	1	STRU	W8	AISC	0.198	0.188	FILLET	FILLET	4RW0453X2 1R13									MDD	100267						21.00																
BLN-201	2	CTL	2R6 3587	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAW	JW	991277	MT	RN	091277	LBH	092077	RMB	091067	MT	SEV	091067	DHM	030588	12.09																
BLN-202	2	CTL	2R6 4570	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABD	DC	061377	MT	DC	061377			RMB	091067	MT	SEV	091067			12.06																
BLN-203	2	CTL	2R6 3627	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADA	CH	102077	MT	OM	102077	JNG	102677	RMB	091067	MT	SEV	091007	KRP	070493	12.00																
BLN-204	2	CTL	2R6 4678	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABB	DC	082477	MT	DC	082477			RMB	091167	MT	SEV	091167			12.00																
BLN-205	2	CTL	2R6 3585	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABA	JW	090977	MT	GF	090977			SEV	091267	MT	RMB	091267			12.00																
BLN-206	2	CTL	2R6 3613	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAEZ	JP	092479	MT	JP	092479			RMB	091167	MT	SEV	091167									12.06		REINFORCEMENT			X					
BLN-207	2	CTL	2R6 3501D(N)	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAZ	JP	102579	MT	JP	102579	LBH	103079	RMB	091167	MT	SEV	091167	KRP	021393	12.00																
BLN-208	2	CTL	2R6 3561D(S)	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAZ	JP	102579	MT	JP	102579			RMB	091167	MT	SEV	091167			12.09																
BLN-209	2	CTL	2R6 3583	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAW	JW	083177	MT	MJ	083177			RMB	091167	MT	SEV	091167			12.06																
BLN-210	2	CTL	2R6 3608	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABW	DM	101877	MT	DM	101877			RMB	091167	MT	SEV	091167			12.06																
BLN-211	2	CTL	2R6 4788	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAH	DC	072777	MT	DC	072777			RMB	091167	MT	SEV	091167			12.00																
BLN-212	2	CTL	2R6 3608	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABW	MJ	101477	MT	MJ	101477	JHG	102077	RMB	091167	MT	SEV	091167	KRP	072793	12.00																
BLN-213	2	CTL	2R6 3579	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABA	RN	061677	MT	RN	061677			RMB	091167	MT	SEV	091167			12.09																
BLN-214	2	CTL	2R6 3687	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADD	JW	102177	MT	MJ	102177	BRB	102777	RMB	091167	MT	SEV	091167	KRP	070993	12.06																
BLN-215	2	CTL	2R6 3575	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABA	MJ	100377	MT	MJ	100377			RMB	091067	MT	SEV	091067			12.09																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	FO	LF	WSP
BLN-210	2	CTL	2R6 4961	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABD	DC	082477	MT	DC	082477			RMB	091067	MT	SEV	091067			12.06															
BLN-217	2	CTL	2R8 3595	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BADA	DM	102777	MT	DM	102777			RMB	091067	MT	SEV	091067			12.06															
BLN-218	2	CTL	2R6 4747	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BAAH	DC	072677	MT	DC	072677			RMB	091067	MT	SEV	091097			12.00															
BLN-219	2	CTL	2R6 3832	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABA	MJ	121277	MT	MJ	121277			RMB	091067	MT	SEV	091037			12.00															
BLN-220	2	CTL	2R6 3657	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BAAT	DM	121977	MT	DM	121977			RMB	091067	MT	SEV	001097			12.06															
BLN-221	2	CTL	2R6 4717 R1	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABK	MJ	011276	MT	MJ	011276	LBH	010576	RM5	091067	MT	SEV	091067	KRP	070993	12.06															
BLN-222	2	CTL	2R6 4464 R4	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABX	DB	032976	MT	MJ	032976	LBH	040776	RM6	091067	MT	SEV	091097	KRP	072793	11.75					0.25										
BLN-220	2	CTL	2R6 3829	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABA	JW	121377	MT	MJ	121377	JHG	121577	RM5	091067	MT	SEV	091067	DHM	030586	12.00															
BLN-224	2	CTL	2R6 3651	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BADD	CH	121077	MT	JG	121077	JHG	121577	RMB	091067	MT	SEV	091097	KRP	070993	12.06															
BLN-225	2	CTL	2R6 3747	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BACQ	JW	110777	MT	MJ	110777	LBH	010676	RMB	091067	MT	SEV	091067	KRP	070993	12.06															
BLN-220	2	CTL	2R6 4490C	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABR	MJ	042776	MT	MJ	042776	LBH	042876	RMB	091067	MT	SEV	091067	KRP	070993	12.00															
BLN-227	2	CTL	2R6 4956	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABD	GU	093077	MT	GU	093077			RMB	091007	MT	SEV	001067			12.00															
BLN-220	2	CTL	2R6 3758	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BAEC	MJ	112977	MT	MJ	112977	JHG	061277	RMB	091067	MT	SEV	091067	KRP	070993	12.00															
BLN-229	2	CTL	2R6 3823	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BADH	RS	122777	MT	MJ	122777			RMB	091067	MT	SEV	091067			12.00															
BLN-230	2	CTL	2R6 3639 R1	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABK	JW	012676	MT	JW	012576	LBH	013076	RMB	091067	MT	SEV	091067	DHM	031888	12.06															
BLN-231	2	CTL	2R6 4744	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABU	GU	100377	MT	GU	100377			RMB	091067	MT	SEV	091067			12.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

P6=PIPE SPT
PSNF=NF PIPE SPT
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STRU=STRUCT STL
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F/BEV=FILLET ON A BEVEL
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EVALUATION RESULTS

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REJECT CODE

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-232	2	CTL	2R6 4462	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAK	MJ	022276	MT	MJ	022276	LBH	031576	RMB	091067	MT	SEV	091097	DHM	030586	12.00															
BLN-233	2	CTL	2R6 3831	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADH	RS	120777	MT	JG	120777	LBH	121977	RMB	091067	MT	SEV	091087	DHM	031888	12.00															
BLN-234	2	CTL	2R6 3855 R1	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADY	MJ	010376	MT	MJ	010376	LBH	010676	RMB	091067	MT	SEV	091067	DHM	031988						12.06		SLAG INCLUSION,REINFORCEMENT			X				
BLN-235	2	CTL	2R6 4675	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BABB	DC	083077	MT	DC	083077	JHG	112077	RMB	091067	MT	SEV	091067	DHM	030586	12.08															
BLN-236	2	CTL	2R6 4996 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAH	DC	091777	MT	DC	091777	LBH	091977	RM5	091037	MT	SEV	091067	DHM	031888	12.00															
BLN-237	2	CTL	2R6 4862 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAH	DC	091777	MT	DC	091777	LBH	091977	RM8	091067	MT	SEV	091087	DHM	030586	12.00															
BLN-238	2	CTL	2R6 4522 R1	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAH	DC	091477	MT	DC	091477	LBH	091577	RMB	091087	MT	SEV	091087	DHM	031888	12.00															
BLN-239	2	CTL	2R6 4775	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAZ	JM	120177	MT	JM	120177	LBH	122277	SEV	091267	MT	RMB	001267	DHM	030586	12.00															
BLN-240	2	CTL	2R6 4810	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BACG	JM	120177	MT	JM	120177			SEV	091267	MT	RMB	061297			12.00															
BLN-241	2	CTL	2R6 3992	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADH	DB	032276	MT	MJ	032276			SEV	091267	MT	RMB	091267			12.00															
BLN-242	2	CTL	2R6 4019	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAAT	MJ	032276	MT	MJ	032276			SEV	091267	MT	RMB	091267			12.00															
BLN-243	2	CTL	2R6 4092	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BADV	JM	120577	MT	JM	120577			SEV	091267	MT	RMB	091267			12.00															
BLN-244	2	CTL	2R6 3984 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAFO	RS	041476	MT	RN	041476	LBH	041576	SEV	091267	MT	RMB	091267	KRP	061392	12.00															
BLN-245	2	CTL	2R6 3965 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAEI	DB	051076	MT	DB	051076	LBH	051576	SEV	091267	MT	RMB	091267	KRP	061292	12.00															
BLN-246	2	CTL	2R6 4000 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAEL	DB	041276	MT	MJ	041276	LBH	041376	SEV	091267	MT	RMB	091267	KRP	072793	12.00															
BLN-247	2	CTL	2R6 4327	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 6	BAFN	DB	080776	MT	DB	080776	LBH	091476	SEV	091267	MT	RMB	091257	DHM	030586	12.00															

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LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC DR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-248	2	CTL	2R5 4226	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABC	DP	071278	MT	DP	071278			SEV	091287	MT	RMB	091287									12.00		REINFORCEMENT			X				
BLN-249	2	CTL	2R6 4256 R2	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BADH	GT	071378	MT	GT	071378	LBH	071778	SEV	091287	MT	RMB	091287	KRP	072793	12.00														
BLN-250	2	CTL	2R6 4231	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BABC	DP	061678	MT	DP	061678			SEV	091287	MT	RMB	091287									12.00		REINFORCEMENT			X				
BLN-251	2	CTL	2R8 4492	N4C871	N/A	N/A	BUTT	BUTT	1RW0407X2 1 THRU 8	BAAK	DB	042578	MT	WR	042578	LBH	042778	RMB	091087	MT	SEV	091087	KRP	021993	12.09														
BLN-252	1	PLNR	11R 03516	AISC	0.250	0.250	BUTT	BUTT	4RW0525X2 3R15	BAGL	JL	020679	PT	JL	020679			MMD	082187	PT	TH	082592			12.00															
BLN-253	1	PLNR	11R 03579A	AISC	0.250	0.250	FILLET	FILLET	4RW0525X2 3R15	BAGJ	JB	022680						MMD	082187						10.00															
BLN-254	1	PLNR	11R 03579B	AISC	0.186	0.250	FILLET	FILLET	4RW0525X2 3R15	BAGJ	JB	022680						MMD	092187											2.00					X					
BLN-255	1	PLNR	11R 03987	AISC	0.250	0.250	BUTT	BUTT	4RW0525X2 4R15	BAGL	RB	121079						MMD	082187						12.00															
BLN-256	1	PLNR	11R 03977	AISC	0.250	0.250	BUTT	BUTT	4RW0525X2 4R15	BAFZ	RC	010480						MMD	992187						12.00															
BLN-257	1	PLNR	11R 03994	AISC	0.500	0.500	F/BUTT	F/BUTT	4RW0525X2 1R15	BAHU	AS	101780						MMD	992187	PT	MT	021093			12.00															
BLN-258	1	PLNR	11R 04023	AISC	0.108	0.256	FILLET	FILLET	4RW0525X2 3R15	BAQM	RN	122879						MMD	992187	PT	MT	021093			14.00					2.00					X					
BLN-259	1	PLNR	11R 04019	AISC	0.186	0.250	FILLET	FILLET	4RW0525X2 3R15	BAFW	DB	081279						MMD	092187						14.00					2.00					X					
BLN-206	1	PLNR	1A7 03810R1	AISC	6.250	0.256	FILLET	FILLET	4AW0814X2 4R7	BAES	JC	101680	PT	JC	101680			MMD	092287						48.00															
BLN-200	1	PLNR	1A7 03810B	AISC	0.250	0.250	FILLET	FILLET	4AW0814X2 4R7	BAGE	MM	021980	PT	MM	021980			MMD	092287						12.00					3.00						X				
BLN-261	1	PLNR	1A7 03854	AISC	0.250	0.250	GROOVE	GROOVE	4AW0814X2 5R5	BAES	JC	101080						MMD	092287											12.09		CONVEXITY			X					
BLN-262	1	PLNR	1A7 03857	AISC	0.250	0.250	GROOVE	GROOVE	4AW0314X2 5R5	BAAA	JC	101080						MMD	092287											12.00		CONVEXITY			X					

STRUCTURAL WELDING
REINSPECTION DATA

STUDS

BELLEFONTE NUCLEAR PLANT

N/A=NOT APPLICABLE

INSPEC PACK WP-C-	UNIT	STUD ID NUMBER	SPECIFICATION	ACT STUD SIZE (IN)	CRAFT	ACT TORQUE FT/LBS	EQUIPMENT UNID ID NO.	REINSPECT INSP BY	REINSPECT DATE MMDDYY	RESULTS
BLN-263	1	263 1	AISC	0.625	SHT MW	*	OVC-MFLT-041	EFH	091687	* FAILURE @ VERY LOW TORQUE
BLN-263	1	263 2	AISC	0.625	SHT MW	74.00	OVC-MFLT-041	EFH	091687	ACCEPTABLE
BLN-264	1	264 1	AISC	0.625	SHT MW	74.00	1VB-MFLT-119-B	EFH	091687	ACCEPTABLE
BLN-264	1	264 2	AISC	0.625	SHT MW	74.00	1VB-MFLT-119-B	EFH	091687	ACCEPTABLE
BLN-265	1	265 1	AISC	0.875	SHT MW	212.00	0VC-MFAN-001	EFH	091687	ACCEPTABLE
BLN-265	1	265 2	AISC	0.875	SHT MW	212.00	0VC-MFAN-001	EFH	091687	ACCEPTABLE
BLN-266	1	266 1	AISC	0.750	SHT MW	132.00	1VA-MFAN-128-B	EFH	091687	ACCEPTABLE
BLN-266	1	266 2	AISC	0.750	SHT MW	132.00	1VA-MFAN-128-B	EFH	091687	ACCEPTABLE
BLN-267	1	267 1	AISC	0.500	SHT MW	37.00	1VA-MFAN-131-B	EFH	091687	ACCEPTABLE
BLN-267	1	267 2	AISC	0.500	SHT MW	37.00	1VA-MFAN-131-B	EFH	091687	ACCEPTABLE
BLN-268	2	268 1	AISC	0.500	SHT MW	37.00	2VA-MFAN-133-B	EFH	091687	ACCEPTABLE
BLN-270	1	270 1	AISC	0.375	ELECT	15.00	1R4-1146	EFH	091887	ACCEPTABLE
BLN-270	1	270 2	AISC	0.375	ELECT	15.00	1R4-1146	EFH	091887	ACCEPTABLE
BLN-271	1	271 1	AISC	0.250	ELECT	4.20	1R2-351	EFH	091887	ACCEPTABLE
BLN-271	1	271 2	AISC	0.250	ELECT	4.20	1R2-351	EFH	091887	ACCEPTABLE

STRUCTURAL WELDING
REINSPECTION DATA

STUDS

BELLEFONTE NUCLEAR PLANT

N/A=NOT APPLICABLE

INSPEC PACK WP-C-	UNIT	STUD ID NUMBER	SPECIFICATION	ACT STUD SIZE (IN)	CRAFT	ACT TORQUE FT/LBS	EOUIPMENT UNID ID NO.	REINSPECT INSP BY	REINSPECT DATE MMDDYY	RESULTS
BLN-272	1	272 1	AISC	0.500	ELECT	37.00	1IR-ILPR-001-R	EFH	091887	ACCEPTABLE
BLN-273	1	273 1	AISC	0.500	ELECT	37.00	4BB0892-X202 R13	RMC	030888	ACCEPTABLE
BLN-273	1	273 2	AISC	0.500	ELECT	37.00	4BB0892-X202 R13	RMC	030888	ACCEPTABLE
BLN-274	1	274 1	AISC	0.250	ELECT	4.20	NONE	EFH	091887	ACCEPTABLE
BLN-274	1	274 2	AISC	0.250	ELECT	4.20	NONE	EFH	091887	ACCEPTABLE
BLN-275	1	275 1	AISC	0.250	ELECT	4.20	NONE	EFH	091887	ACCEPTABLE
BLN-275	1	275 2	AISC	0.250	ELECT	4.20	NONE	EFH	091887	ACCEPTABLE
BLN-276	1	276 1	AISC	0.375	ELECT	15.00	1NC-EJB-1-A	EFH	091887	ACCEPTABLE
BLN-276	1	276 2	AISC	0.375	ELECT	15.00	1NC-EJB-1-A	EFH	091887	ACCEPTABLE
BLN-277	1	277 1	AISC	0.250	ELECT	4.20	1R4-1340B,1343B,1344B	EFH	091887	ACCEPTABLE
BLN-277	1	277 2	AISC	0.250	ELECT	4.20	1R4-1340B,1343B,1344B	EFH	091887	ACCEPTABLE
BLN-278	1	278 1	AISC	0.375	ELECT	15.00	1NC-EJB-1-B	EFH	091887	ACCEPTABLE
BLN-278	1	278 2	AISC	0.375	ELECT	15.00	1NC-EJB-1-B	EFH	091887	ACCEPTABLE
BLN-280	2	280 1	AISC	0.375	ELECT	15.00	N/A	EFH	040688	ACCEPTABLE
BLN-280	2	280 2	AISC	0.375	ELECT	15.00	N/A	EFH	040688	ACCEPTABLE

STRUCTURAL WELDING
REINSPECTION DATA

STUDS

BELLEFONTE NUCLEAR PLANT

N/A=NOT APPLICABLE

INSPEC PACK WP-C-	UNIT	STUD ID NUMBER	SPECIFICATION	ACT STUD SIZE (IN)	CRAFT	ACT TOROUE FT/LBS	EQUIPMENT UNID ID NO.	REINSPECT INSP BY	REINSPECT DATE MMDDYY	RESULTS
BLN-281	2	281 1	AISC	0.250	ELECT	4.20	N/A	EFH	040688	ACCEPTABLE
BLN-281	2	281 2	AISC	0.250	ELECT	4.20	N/A	EFH	040688	ACCEPTABLE
BLN-282	2	282 1	AISC	0.250	ELECT	4.20	N/A	EFH	040688	ACCEPTABLE
BLN-282	2	282 2	AISC	0.250	ELECT	4.20	N/A	EFH	040688	ACCEPTABLE
BLN-283	1	283 1	AISC	0.500	ELECT	37.00	1NL-MPMP-200	EFH	040688	ACCEPTABLE
BLN-283	1	283 2	AISC	0.500	ELECT	37.00	1NL-MPMP-200	EFH	040688	ACCEPTABLE

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC 6Y EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AB - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	BPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-297	2	PSNF	A	IIINF1	0.198	0.198	FILLET	FILLET	2NVMPHG0550 2R2	F6HL	MM	060282	PT	MM	060282			AR	032588	PT	AR	032588			4.00															
BLN-297	2	PSNF	B	IIINF1	0.313	0.313	F/GRV	F/GRV	2NVMPHG0550 2R2	F5HL	MM	060382	PT	MM	060382			AR	032588	PT	AR	032588			21.00															
BLN-298	2	PSNF	A	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0707 2R2	FARB	JC	082081	PT	JC	082081	JG	082681	AR	032588	PT	AR	032588	KP	070792	4.00														
BLN-298	2	PSNF	B	IIINF1	N/A	N/A	GROOVE	GROOVE	2NVMPHG0707 2R2	FARB	JC	082081	PT	JC	082081	JH	001981	AR	032588	PT	AR	032588	KP	070792	4.00														
BLN-298	2	PSNF	C	IIINF1	0.198	0.188	FILLET	FILLET	2NVMPHG0707 2R2	FCKV	AN	022582	PT	AH	022582			AR	032588	PT	AR	032588			8.00															
BLN-298	2	PSNF	D	IIINF1	0.188	0.198	FILLET	FILLET	2NVMPHG0707 2R2	FCKV	AH	022582	PT	AH	022582			AR	032588	PT	AR	032588			8.00															
BLN-298	2	PSNF	E	IIINF1	0.198	0.168	FILLET	FILLET	2NVMPHG0707 2R2	FAHM	RC	051882	PT	RC	051882			AR	032588	PT	AR	032588			4.00															
BLN-298	2	PSNF	F	IIINF1	0.198	0.168	FILLET	FILLET	2NVMPHG0550 2R2	FAHM	RC	051882	PT	RC	051882			AR	032588	PT	AR	032588			4.00															
BLN-299	2	MISC	A	AISC	N/A	N/A	GROOVE	FBEV	3AW0910-0043 R10									MDD	032888						12.00															
BLN-299	2	MISC	B	AISC	N/A	N/A	GROOVE	F6EV	3AW0910-0043 R10									MDD	032888						12.00															
BLN-299	2	MISC	C	AISC	N/A	N/A	GROOVE	F6EV	3AW0910-0043 R10									MDD	032888						12.00															
BLN-299	2	MISC	D	AISC	N/A	N/A	GROOVE	FBEV	3AW0910-0043 R10									MDD	032888						12.00															
BLN-300	1	CTS	XX10-N/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041288						10.09					2.00					X				X
BLN-300	1	CTS	XX10-F/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041288						11.81					0.19						X			X
BLN-300	1	CTS	XX20-N/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041288						6.87					3.13					X		X		X
BLN-300	1	CTS	XX20-F/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041288						11.00					1.00						X			X

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

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EVALUATION RESULTS

A1=ACCEPT BY INSP
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-300	1	CTS	XX30-N/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 1R5									RMC	041268												10.00				X		X			X
BLN-300	1	CTS	XX30-F/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 1R5									RMC	041268							7.00				3.00							X			X
BLN-300	1	CTS	XX40-N/S	AISC	0.250	0.188	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						11.00						25.19	WELD INCOMPLETE				X				
BLN-300	1	CTS	XX40-F/S	AISC	0.250	0.188	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						7.00					4.00	25.19	WELD INCOMPLETE, CONVEXITY				X				X
BLN-300	1	CTS	XX30-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX50-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						3.00														
SLN-300	1	CTS	XX60-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX60-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						3.00														
SLN-300	1	CTS	XX70-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX70-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX50-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX80-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX90-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX80-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														
BLN-300	1	CTS	XX100-N/S	AISC	N/A	N/A	GROOVE	OROOVE	4CW0943X2 1R5									RMC	041268						3.00														
SLN-300	1	CTS	XX100-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00														

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WS - WELD SIZE
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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-300	1	CTS	XX110-N/S	AISC	N/A	N/A	GROOVE	GRDOVE	4CW0943X2 1R5									RMC	041288						3.00							NOTED UC								
BLN-300	1	CTS	XX110-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX120-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX120-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX130-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															X
BLN-300	1	CTS	XX130-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00							NOTED UC								
BLN-300	1	CTS	XX140-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						2.87					0.13							X			
BLN-300	1	CTS	XX140-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX150-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						2.87					0.13							X			
BLN-300	1	CTS	XX150-F/S	AISC	N/A	N/A	GROOVE	GRDOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX160-N/S	AISC	N/A	N/A	GROOVE	GRDOVE	4CW0943X2 1R5									RMC	041288						2.87					0.13							X			
BLN-300	1	CTS	XX100-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX170-N/S	AISC	N/A	N/A	OROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						2.87					0.13							X			
BLN-300	1	CTS	XX170-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															
BLN-300	1	CTS	XX180-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						2.87					0.13							X			
BLN-300	1	CTS	XX180-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041288						3.00															

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
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EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
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LI - LINEAR INDICATION
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WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-300	1	CTS	XX190-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	1268						2.87					0.13							X			
BLN-300	1	CTS	XX190-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	1268						3.00															
BLN-300	1	CTS	XX200-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	1268						2.07					0.13							X			
BLN-300	1	CTS	XX200-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 1R5									RMC	041268						3.00															
BLN-300	1	CTS	XX210-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.00															
BLN-300	1	CTS	XX210-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	1268						2.00															X
BLN-300	1	CTS	XX220-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.00															X
BLN-300	1	CTS	XX220-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.00															X
BLN-300	1	CTS	XX230-N/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 1R5									RMC	041268											9.00							X			X
BLN-300	1	CTS	XX200-F/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 1R5									RMC	041268												9.00				X		X			X
BLN-300	1	CTS	XX240	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X
BLN-300	1	CTS	XX250	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X
BLN-300	1	CTS	XX260	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X
BLN-300	1	CTS	XX270	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X
BLN-300	1	CTS	XX280	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X
BLN-300	1	CTS	XX290	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 1R5									RMC	041268						2.75															X

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-300	1	CTS	XX300	AISC	*	0.250	*	FILLET	4CW0943X2 1R5																							* WELD NOT REINSPECTED								
BLH-301	2	CTS	XX10-N/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						3.00					4.00					X					X
BLN-301	2	CTS	XX10-F/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						11.87					0.13						X				X
BLN-301	2	CTS	XX20-N/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						9.00					4.00		NOTED U/C			X					X
BLN-301	2	CTS	XX20-F/S	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						10.00					2.00		NOTED U/C			X					X
BLN-301	2	CTS	XX30-N/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						10.00							NOTED U/C								X
BLN-301	2	CTS	XX30-F/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 2R9									RMC	041388											10.00		NOTED U/C			X					X
BLN-301	2	CTS	XX40-N/S	AISC	0.250	0.188	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						11.00						25.19	WELD INCOMPLETE				X				X
BLN-301	2	CTS	XX40-F/S	AISC	0.250	0.188	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						11.00						25.19	WELD INCOMPLETE				X				X
BLN-301	2	CTS	XX50-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						3.00															X
BLN-301	2	CTS	XX50-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX60-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						3.00															X
BLN-301	2	CTS	XX60-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						3.00															X
BLN-301	2	CTS	XX70-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX70-F/S	AISC	N/A	N/A	GRODVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX80-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-301	2	CTS	XX80-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00									X						
BLN-301	2	CTS	XX90-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX90-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															X
BLN-301	2	CTS	XX100-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX100-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX110-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX110-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX120-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX120-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX130-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX130-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX140-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX140-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX150-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															
BLN-301	2	CTS	XX150-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						2.87					0.13						X			X
BLN-301	2	CTS	XX160-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9									RMC	041388						3.00															

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INSPEC PACK	IT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INS BY	VT DATE MDDY	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	REINSPECTION-NDE VT INSP BY	VT DATE MDDY	MT/PT INS BY	MT/PT DATE MDDY	RT INS BY	RT DATE MDD YY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AB	WS	WL	UC	PO	LF	WSP
BLN-301	2	CTS	XX150-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					2.64					0.10							X			
BLN-301	2	CTS	XX170-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX170-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															X
BLN-301	2	CTS	XX180-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX180-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX190-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX190-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX200-N/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX200-F/S	AISC	N/A	N/A	GROOVE	GROOVE	4CW0943X2 2R9								RMC	041388					3.00															
BLN-301	2	CTS	XX210-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					2.00															
BLN-301	2	CTS	XX210-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					2.00															X
BLN-301	2	CTS	XX220-N/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					2.00															
BLN-301	2	CTS	XX220-F/S	AISC	0.500	0.500	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					2.00															X
BLN-301	2	CTS	XX230-N/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					9.00															
BLN-301	2	CTS	XX230-F/S	AISC	0.313	0.313	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					9.00															X
BLN-301	2	CTS	XX240	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9								RMC	041388					2.75															X

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-301	2	CTS	XC250	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						2.75																X
BLN-301	2	CTS	XC250	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						2.75																
BLN-301	2	CTS	XC270	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						2.75																
BLN-301	2	CTS	XC250	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						2.75																
BLN-301	2	CTS	XC290	AISC	0.250	0.250	FILLET	FILLET	4CW0943X2 2R9									RMC	041388						2.75																
BLN-301	2	CTS	XC300	AISC	*	0.250	*	FILLET	4CW0943X2 2R9																							WELD NOT REINSPECTED								
BLN-302	1	CTS	1432	AISC	0.188	0.313	FILLET	FILLET	4RW0540X2 1R12		JB	080876						MDD	033188												18.00				X					
BLN-302	1	CTS	B	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	C	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						9.50																
BLN-302	1	CTS	D	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	E	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	F	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	G	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	H	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						3.00																
BLN-302	1	CTS	I	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						6.00																
BLN-302	1	CTS	J	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080876						MDD	033188						6.00																

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CASLE TRAY SPT
CS=CONDUIT SPT
PBS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FBEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - POROSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING ND	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-302	1	CTS	K	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	L	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	M	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	N	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	O	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	P	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12	EAEA	JB	080676						MDD	033188						3.00																
BLN-302	1	CTS	Q	AISC	0.250	0.250	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						4.50																
BLN-302	1	CTS	R	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12									MDD	033188						3.50																
BLN-302	1	CTS	S	AISC	0.250	0.188	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						3.00																
BLN-302	1	CTS	T	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12									MDD	033188						3.50																
BLN-302	1	CTS	U	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						3.00																
BLN-302	1	CTS	V	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						3.00																
BLN-302	1	CTS	W	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12									MDD	033188						3.50																
BLN-302	1	CTS	X	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						3.00																
BLN-302	1	CTS	Y	AISC	N/A	N/A	GROOVE	FBEV	4RW0540X2 1R12									MDD	033188						3.50																
BLN-302	1	CTS	Z	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 1R12									MDD	033188						7.00																

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-303	1	CTS	3415	AISC	0.313	0.313	FILLET	FILLET	4RW0540X2 5R9	EAEF	AS	111080						RMC	041488						31.87					0.13		SUPPORT CONFIGURATION DOES NOT							X	
BLN-303	1	CTS	XX10	AISC	0.250	0.188	F/GRV	F/FBEV	4RW0540X2 5R9	EEAW	DM	052180						RMC	041488						21.50					2.50		AGREE WITH DRAWING REVISION OF					X			X
BLN-303	1	CTS	XX20	AISC	0.250	0.188	F/GRV	F/FBEV	4RW0540X2 5R9	EEAW	DM	052180						RMC	041488						24.00							DRAWINGS LISTED IN								X
BLN-303	1	CTS	XX30	AISC	0.250	0.188	F/GRV	F/FBEV	4RW0540X2 5R9	EEAW	DM	052180						RMC	041488						23.87					0.13		REINSPECTION PACKAGE					X			X
BLN-303	1	CTS	XX40	AISC	0.250	0.188	F/GRV	F/FBEV	4RW0540X2 5R9	EEAW	DM	052180						RMC	041488						23.91					0.19							X			X
BLN-303	1	CTS	XX50	AISC	0.250	0.188	F/GRV	F/FBEV	4RW0540X2 5R9	EEAW	DM	052180						RMC	041488						20.87					3.13							X			X
BLN-303	1	CTS	XX00	AISC	*	0.250	*	F/GRV	4RW0540X2 5R9	EEAW	DM	052180																				WELD NOT REINSPECTED								
BLN-303	1	CTS	XX70 NS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX70 FS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX80 NS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX80 FS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX90 NS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX90 FS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX100 NS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX100 FS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								
BLN-302	1	CTS	XX110 NS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041488						3.00							WELD 1RV3415A								

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-303	1	CTS	XX110 FS	AISC	0.188	0.188	FILLET	FILLET	4RW0540X2 5R9	EAET	DM	101580						RMC	041486					3.00							WELD 1RV3415A								
BLN-303	1	CTS	XX120 NS	AISC	*	0.188	*	FILLET	4RW0540X2 5R9	EAET	DM	101580																			WELD NOT REINSPECTED								
BLN-303	1	CTS	XX120 FS	AISC	*	0.188	*	FILLET	4RW0540X2 5R9	EAET	DM	101580																			WELD NOT REINSPECTED								
BLN-304	1	CTS	1111-2	AISC	0.500	0.250	FILLET	FILLET	4CW0942X2 1R9	EABN	EA	042677						MDD	041486										17.00		CONVEXITY			X					X
BLN-304	1	CTS	1111A-3	AISC	0.313	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	042784						MDD	041486					7.00																
BLN-304	1	CTS	1111A-4	AISC	0.313	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	042784						MDD	041486					7.00																
BLN-304	1	CTS	1111A-5	AISC	0.313	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	042784						MDD	041486					14.50																
BLN-304	1	CTS	1111A-6	AISC	0.313	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	042784						MDD	041486					14.50																
BLN-304	1	CTS	1112-1	AISC	0.625	0.250	FILLET	FILLET	4CW0942X2 1R9	EABN	EA	042677						MDD	041486										32.00		CONVEXITY			X		X	X		
BLN-304	1	CTS	1113-7	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABN	EA	042677						MDD	041486										22.00		CONVEXITY								
BLN-304	1	CTS	1114-6	AISC	0.500	0.250	FILLET	FILLET	4CW0942X2 1R9	EABN	EA	042677						MDD	041486										17.00		CONVEXITY			X					
BLN-304	1	CTS	1111B-9	AISC	0.250	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	120484						MDD	041486					4.00																
BLN-304	1	CTS	1111B-10	AISC	0.250	0.313	GROOVE	FILLET	4CW0942X2 1R9	EAAW	JH	120484						MDD	041486					4.00																
BLN-304	1	CTS	1117-11	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABN	JH	120384						MDD	041486					22.00																
BLN-304	1	CTS	1111B-12	AISC	0.250	0.313	FILLET	FILLET	4CW0942X2 1R9	EAAW	JH	120484						MDD	041486					4.00																
BLN-304	1	CTS	1111B-13	AISC	N/A	0.313	GROOVE	FILLET	4CW0942X2 1R9	EAAW	JH	120484						MDD	041486					4.00																

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STRU=STRUCT STL
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IS=INSTRUMENT SPT
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F/BEV=FILLET ON A BEVEL
F BEV=FLAIR BEVEL
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EVALUATION RESULTS

A1=ACCEPT BY INSP
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IHSPEC PACK WP-C-	UNIT	DES	WELD NUMSER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A5	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-304	1	CTS	14	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	15	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	16	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	17	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	18	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	19	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	20	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	21	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	22	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	23	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	24	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	25	AISC	N/A	N/A	GROOVE	GROOVE	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						5.25															
BLN-304	1	CTS	26	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															
BLN-304	1	CTS	27	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															
BLN-304	1	CTS	28	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															
BLN-304	1	CTS	29	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-304	1	CTS	30	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															
BLN-304	1	CTS	31	AISC	0.250	0.250	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						4.00															
BLN-304	1	CTS	32	AISC	0.188	0.188	FILLET	FILLET	4CW0942X2 1R9	EABJ	DC	120676						MDD	041488						32.00															X
BLN-305	2	PSNF	AS1	IIINF3	0.313	0.313	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	002685						AR	032586						13.50															
BLN-305	2	PSNF	BS1	IIINF3	0.313	0.313	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	002685						AR	032586						20.50		0.50											X		
BLN-305	2	PSNF	CS1	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062485						AR	032586						16.00															
BLN-305	2	PSNF	DS1	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062485						AR	032586						16.00															
BLN-305	2	PSNF	ES1	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	061185						AR	032586						16.00															
BLN-305	2	PSNF	FS1	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062485						AR	032586						16.00															
BLN-305	2	PSNF	G	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	061185						AR	032586						20.00															
BLN-305	2	PSNF	H	IIINF3	0.188	0.188	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	061185						AR	032586						20.00															
BLN-305	2	PSNF	I	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	J	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	K	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	002685						AR	032586						3.25															
BLN-305	2	PSNF	L	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	M	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062685						AR	032586						3.25															

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-305	2	PSNF	N	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	O	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FCKH	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	P	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3064 R901	FAIV	MM	062685						AR	032586						3.25															
BLN-305	2	PSNF	A	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062685						AR	032586						3.00															
BLN-305	2	PSNF	B	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062685						AR	032586						3.00															
BLN-305	2	PSNF	C	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062685						AR	032586						3.90															
BLN-305	2	PSNF	D	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062685						AR	032586						3.00															
BLN-305	2	PSNF	E	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062085						AR	032586						3.00															
BLN-305	2	PSNF	F	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062085						AR	032586						3.00															
BLN-305	2	PSNF	G	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062085						AR	032586						3.00															
BLN-305	2	PSNF	H	B31.1	0.250	0.250	FILLET	FILLET	2VEMPHG3063 R0	FCKH	MM	062085						AR	032586						3.00															
BLN-305	2	PSNF	I	IIINF3	0.313	0.313	FILLET	FILLET	2VEMPHG3063 R0	FAIV	MM	062085						AR	032586						8.90															
BLN-305	2	PSNF	J	IIINF3	0.313	0.313	FILLET	FILLET	2VEMPHG3053 R0	FAIV	MM	061885						AR	032586						6.00															
BLN-305	2	PSNF	K	IIINF3	0.313	0.313	FILLET	FILLET	2VEMPHG3063 R0	FAIV	MM	061885						AR	032586						8.00															
BLN-306	1	MISC	2297	AISC	0.188	0.188	FILLET	FILLET	3AW0910-0026 R10	SAAE	MJ	122085						MDD	041086						12.00															
SLN-306	1	MISC	2299	AISC	0.188	0.188	FILLET	FILLET	3AW0910-0026 R10	SAAE	MJ	122085						MDD	041086						12.90															

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INSPEC PACK WP-C-	UNIT	OES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING HO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-307	1	EPS	NW1E	AISC	0.188	0.188	FILLET	FILLET	5AW0248EU-2R5									MDD	041588						91.00																
BLN-307	2	EPS	NW2D	AISC	0.188	0.188	FILLET	FILLET	5AW0248EU-2R5									MDD	041588						91.00																
BLN-305	2	MISC	1	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50		CONVEXITY			X					
BLN-306	2	MISC	2	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50					X					
BLN-306	2	MISC	3	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50					X					
BLN-306	2	MISC	4	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50					X					
BLN-305	2	MISC	1A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75																X
BLN-306	2	MISC	2A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75																X
BLN-306	2	MISC	3A	AISC	0.188		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75																X
BLN-306	2	MISC	4A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75																X
BLN-305	2	MISC	5	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50		CONVEXITY			X					X
BLN-305	2	MISC	6	AISC	0.188	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50		CONVEXITY								
BLN-306	2	MISC	7	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50					X					
BLN-306	2	MISC	8	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											13.50					X					
BLN-305	2	MISC	5A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75																X
BLN-305	2	MISC	6A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											7.75		CONVEXITY										X

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INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A5	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-308	2	MISC	7A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788						7.75															X
BLN-308	2	MISC	8A	AISC	0.250		FILLET		4DW0755X2 1R3	FAKO	GU	071478						MDD	041788						7.75															X
BLN-308	2	MISC	2FD00002D	AISC	0.500	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	082280						MDD	041788						24.00									X						
BLN-308	2	MISC	2FD00002C	AISC	0.500	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	082280						MDD	041788						24.00															
BLN-308	2	MISC	2FD00002E	AISC	0.500	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	082280						MDD	041788						24.00															
BLN-308	2	MISC	2FD00002F	AISC	0.500	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	082280						MDD	041788						24.06															
BLN-308	2	MISC	13	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											24.00					X					X
BLN-308	2	MISC	14	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											24.00					X					X
BLH-308	2	MISC	15	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKO	GU	071478						MDD	041788											24.00					X					X
BLN-308	2	MISC	16	AISC	0.125	0.188	FILLET	FILLET	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											24.06					X					X
BLN-308	2	MISC	17	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071478						MDD	041788											15.50		CONVEXITY								
BLN-308	2	MISC	19	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKO	GU	071478						MDD	041788											15.50		CONVEXITY, OVERLAP							X	
BLN-308	2	MISC	19	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKO	GU	071478						MDD	041788											15.50		CONVEXITY								X
BLN-308	2	MISC	20	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKO	GU	071478						MDD	041788											15.50		CONVEXITY								X
BLN-308	2	MISC	2FD00002B	AISC	0.375	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	081980						MDD	041788						32.00															
BLN-308	2	MISC	2FD00002	AISC	0.313	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	SG	081980						MDD	041788						32.00															

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IHSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC OR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-306	2	MISC	2FD00001	AISC	0.375	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	BG	081990						MDD	041786					32.00																
BLN-306	2	MISC	2FD00002A	AISC	0.313	0.313	FILLET	FILLET	4DW0755X2 1R3	FBLJ	BG	081990						MDD	041786					32.00																
BLN-306	2	MISC	25	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00					X					
BLN-306	2	MISC	26	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00					X					
BLN-306	2	MISC	27	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKO	GU	071476						MDD	041786										10.06					X					X
BLN-306	2	MISC	28	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00					X					X
BLN-306	2	MISC	29	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00					X					
BLN-306	2	MISC	30	AISC	0.125	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00		CONVEXITY			X					
BLN-306	2	MISC	31	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										10.00					X					
BLN-305	2	MISC	32	AISC	0.188	N/A	F/GROV	GROOVE	4DW0755X2 1R3	FAKO	GU	071476						MDD	041786										10.00					X					
BLN-305	2	MISC	33	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										5.50		CONVEXITY					X			X
BLN-306	2	MISC	34	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786										8.50		CONVEXITY								X
BLN-306	2	MISC	35	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786					5.50															X
BLN-306	2	MISC	36	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786					5.50															X
BLN-306	2	MISC	37	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071476						MDD	041786					8.50															
BLN-305	2	MISC	38	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKO	GU	071476						MDD	041786										5.50		CONVEXITY								

BELLEFONTE NUCLEAR PLANT STRUCTURAL WELDING REINSPECTION DATA

PS=PIPE SPT
PSNF=NF PIPE SPT
IPS=INSTRUMENT PIPING SPT
CTS=CABLE TRAY SPT
CS=CONDUIT SPT
PSS=ELECT PULL BOX SPT
EPS=ELECT PANEL SPT

STRU=STRUCT STL
MISC=MISC STL
IS=INSTRUMENT SPT
DS=DUCT SPT
F/BEV=FILLET ON A BEVEL
FSEV=FLAIR BEVEL
F/GRV=FILLET ON GROOVE

EVALUATION RESULTS

A1=ACCEPT BY INSP
A2=ACC BY RECONCILIATION
A3=ACCEPT BY CHARACTERIZATION
A4=ACC BY CHAR AND RECON
A5=ACC BY CHAR AND EVAL
A6=ACC BY EVALUATION
R1=REJECTED WELD (DOES NOT MEET STRESS ALLOWABLES)
N/A=NOT APPLICABLE

REJECT CODE

LI - LINEAR INDICATION
AS - ARC STRIKE
WS - WELD SIZE
WL - WELD LENGTH
UC - UNDERCUT
PO - PORDSITY
LF - LACK OF FUSION
WSP - WELD SPATTER

INSPEC PACK WP-C-	UNIT	DES	WELD NUMBER	SPEC DR CODE	ACT WELD SIZE (IN)	DWG WELD SIZE (IN)	ACT WELD TYPE	DWG WELD TYPE	DRAWING NO	WELD ID	INSPECTION-NDE VT INSP BY	INSPECTION-NDE VT DATE MDDY	INSPECTION-NDE MT/PT MT/PT	INSPECTION-NDE MT/PT INS BY	INSPECTION-NDE MT/PT DATE MDDY	INSPECTION-NDE RT INS BY	INSPECTION-NDE RT DATE MDDY	REINSPECTION-NDE VT INSP BY	REINSPECTION-NDE VT DATE MDDY	REINSPECTION-NDE MT/PT MT/PT	REINSPECTION-NDE MT/PT INS BY	REINSPECTION-NDE MT/PT DATE MDDY	REINSPECTION-NDE RT INS BY	REINSPECTION-NDE RT DATE MDDY	EVALUATION RESULT-LINEAR INCHES A1	A2	A3	A4	A5	A6	R1	COMMENTS	REJECT CODE LI	AS	WS	WL	UC	PO	LF	WSP
BLN-308	2	MISC	39	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071475						MDD	041786											5.50		CONVEXITY								X
BLN-308	2	MISC	40	AISC	N/A	N/A	GROOVE	GROOVE	4DW0755X2 1R3	FAKQ	GU	071475						MDD	041786											5.50		CONVEXITY, OVERLAP								X

TABLE 3.3

This table is a summary of the mechanical piping and duct welds selected for reinspection. The data provides a listing of systems, code/specification, nondestructive examination procedures, materials, type of weld joint, and unit designation of the welds selected.

MECHANICAL PIPING WELDS REINSPECTION SUMMARY

SYSTEM	CODE/SPEC						NDE												MATERIAL						TYPE OF WELD								WELDS			
	ASME III				B31.1	AISC	VT			PT			MT			RT																	PER UNIT			ALL
	1	2	3	MC			INSP	ACC	REJ	INSP	ACC	REJ	INSP	ACC	REJ	INSP	ACC	REJ	B	C	D	E	G	S	A	B	S	SO	WO	F	FL	LN IN WELDS	0	1	2	
CA-AUX FEEDWATER	0	5	4	0	0	0	9	6	3	4	4	0	0	0	0	5	1	4	0	9	0	0	0	0	0	8	1	0	0	0	0	142.83	0	7	2	9
CF-FEEDWATER	0	7	0	0	2	0	9	9	0	1	1	0	0	0	0	7	5	2	0	8	1	0	0	0	0	7	1	0	0	1	0	384.75	0	9	0	9
CR-STARTUP & RECIRC.	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	27.10	0	1	0	1
FF-DG FUEL OIL	0	0	4	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	3	1	0	0	0	0	35.43	0	0	4	4
IO-INSTR. & CONTROL	0	2	0	0	0	0	2	2	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	2	1	0	0	1	0	0	0	3.83	0	2	0	2
IR-RAD. MONITORING	0	0	2	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	8.26	0	2	0	2
KC-COMPONENT COOLING WTR.	0	1	28	0	0	0	29	27	2	2	2	0	2	2	0	1	0	1	0	25	0	0	0	4	4	12	13	0	0	0	0	419.31	0	26	3	29
KE-ESS. RAW COOLING WTR.	0	2	29	0	0	0	31	24	7	10	8	2	1	1	0	1	1	0	0	19	1	0	0	11	2	16	9	2	1	1	0	731.90	0	7	24	31
NB-CHEM. ADD. & BORON REC.	0	1	19	0	0	0	20	19	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	20	0	15	5	0	0	0	0	133.54	8	9	3	20
NC-REACTOR COOLANT	1	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	14.14	0	1	0	1
ND-DECAY HEAT REMOVAL	29	20	1	0	0	0	49	48	1	32	31	1	0	0	0	39	28	11	3	0	0	0	0	47	2	39	4	1	1	3	0	720.83	0	49	1	50
NI-CONTAINMENT ISOLATION	0	0	0	4	0	2	6	5	1	0	0	0	2	2	0	2	1	1	0	6	0	0	0	0	0	4	0	0	0	2	0	256.85	0	6	0	6
NK-RC SYSTEM DRAINS & VENTS	0	1	1	0	0	0	2	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	2	0	2	0	0	0	0	0	31.23	0	2	0	2
NL-CORE FLOODING	1	5	3	0	0	0	9	9	0	4	4	0	0	0	0	3	3	0	2	0	1	0	0	6	2	3	4	0	0	0	0	74.47	0	7	2	9
NM-SPENT FUEL COOLING	0	3	2	0	0	0	5	5	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	5	0	5	0	0	0	0	0	75.77	0	3	2	5
NS-RB SPRAY	0	32	0	0	0	0	32	28	4	9	9	0	0	0	0	23	12	11	0	0	0	0	0	32	0	23	9	0	0	0	0	493.76	0	19	13	32
NV-MAKEUP & PURIFICATION	71	46	5	0	0	0	121	115	6	85	75	10	0	0	0	88	50	38	0	0	0	0	0	122	3	89	22	0	5	3	0	813.77	0	120	2	122
RG-DG STARTING AIR	0	0	6	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	1	1	2	3	0	0	0	0	37.77	0	2	4	6
RJ-ESSENTIAL AIR	0	0	8	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	2	2	2	4	0	0	0	0	37.36	0	8	0	8
RK-COMPRESSED AIR	0	0	4	0	0	0	4	4	0	3	3	0	0	0	0	0	0	0	0	3	0	0	0	1	0	3	1	0	0	0	0	85.81	0	2	2	4
SA-AUXILIARY STEAM	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2.64	0	1	0	1
SM-MAIN & REHEAT STEAM	0	11	0	0	0	0	9	6	3	1	1	0	0	0	0	10	7	3	0	7	0	4	0	0	0	10	1	0	0	0	0	785.39	0	11	0	11
SV-RELIEF VENTS & MISC STEAM	0	2	0	0	0	0	2	1	1	1	0	1	0	0	0	1	1	0	0	2	0	0	0	0	0	1	1	0	0	0	0	24.94	0	2	0	2
VA-AUX BLDG TRAINED AREAS H&V	0	0	0	0	20	0	20	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	4	4	0	4	0	8	0	234.52	0	20	0	20
VE-AUX BLDG TRAINED AREAS AC	0	0	0	0	124	0	124	100	24	1	1	0	22	18	4	0	0	0	0	120	4	0	0	0	0	78	30	14	2	0	0	1299.10	0	0	124	124
WD-WASTE DISPOSAL	0	0	7	0	0	0	7	7	0	0	0	0	1	1	0	0	0	0	0	3	3	0	0	1	0	5	2	0	0	0	0	70.41	7	0	0	7
TOTAL	102	139	124	4	146	2	513	453	60	157	142	15	28	24	4	187	115	72	5	218	11	4	0	279	23	333	112	22	9	18	0	6945.76	15	316	186	517

PIPE MATERIAL (base material at weld joint)
B=STAINLESS STEEL TO Ni Cr STEEL
C=CARBON STEEL TO CARBON STEEL
D=CARBON STEEL TO STAINLESS STEEL
E=CARBON STEEL TO LOW ALLOY (REACTOR VESSEL)
G=GALVANIZED SHEETMETAL TO GALVANIZED SHEETMETAL
S=STAINLESS STEEL TO STAINLESS STEEL

TYPE OF WELD
A=AUTOGENOUS-AUTO WELDING WITHOUT FILLER MATERIAL
B=BUTT WELD-GROVE WELD FOR PIPE, FITTING, VALVE OR COMPONENT BUTT JOINTS
F=FILLET WELD-WELD FOR CORNER, TEE OR LAP TYPE JOINTS
FL=FLANGE WELD-WELDS FOR MATING COMPONENTS AT THEIR EDGES
S=SOCKET WELD-WELDS OF PIPE TO SOCKET TYPE CONNECTION
SO=SOCK-O-LET -WELDS JOINING A SOCK-O-LET TYPE OF FITTING IN RUN OF PIPE AS AN OUTLET
WO=WELD-O-LET -WELDS JOINING A WELD-O-LET TYPE FITTING IN RUN OF PIPE AS AN OUTLET

HVAC DUCT WELDS REINSPECTION SUMMARY

SYSTEM	CODE	NDE												MATERIAL						TYPE OF WELD								WELDS			
		VT			PT			MT			RT																	PER UNIT			ALL
	SMACNA	INSP	ACC	REJ	INSP	ACC	REJ	INSP	ACC	REJ	INSP	ACC	REJ	B	C	D	E	G	S	A	B	S	SO	WO	F	FL	LN IN WELDS	0	1	2	
VA-AUX BLDG TRAINED AREAS HVAC	89	89	65	24	0	0	0	0	0	0	0	0	0	0	58	0	0	31	0	0	14	0	0	0	67	8	2401	0	89	0	89
TOTAL	89	89	65	24	0	0	0	0	0	0	0	0	0	0	58	0	0	31	0	0	14	0	0	0	67	8	2401	0	89	0	89

PIPE MATERIAL (base material at weld joint)
B=STAINLESS STEEL TO Ni Cr STEEL
C=CARBON STEEL TO CARBON STEEL
D=CARBON STEEL TO STAINLESS STEEL
E=CARBON STEEL TO LOW ALLOY (REACTOR VESSEL)
G=GALVANIZED SHEETMETAL TO GALVANIZED SHEETMETAL
S=STAINLESS STEEL TO STAINLESS STEEL

TYPE OF WELD
A=AUTOGENOUS-AUTO WELDING WITHOUT FILLER MATERIAL
B=BUTT WELD-GROVE WELD FOR PIPE, FITTING, VALVE OR COMPONENT BUTT JOINTS
F=FILLET WELD-WELD FOR CORNER, TEE OR LAP TYPE JOINTS
FL=FLANGE WELD-WELDS FOR MATING COMPONENTS AT THEIR EDGES
S=SOCKET WELD-WELDS OF PIPE TO SOCKET TYPE CONNECTION
SO=SOCK-O-LET -WELDS JOINING A SOCK-O-LET TYPE OF FITTING IN RUN OF PIPE AS AN OUTLET
WO=WELD-O-LET -WELDS JOINING A WELD-O-LET TYPE FITTING IN RUN OF PIPE AS AN OUTLET

TABLE 3.4

This table is a tabulation of data summarized from the reinspection reports of the selected piping welds. The results and resolution of the reinspection are tabulated for each weld.

BELLEFONTE MECHANICAL WELDS REINSPECTION LEGEND SHEET

UNIT — IDENTIFICATION OF WELD LOCATION UNIT 1, 2, OR 0 (COMMON)
SYSTEM — IDENTIFICATION OF SYSTEM
WELD NUMBER — UNIQUE WELD IDENTIFICATION NUMBER AS ASSIGNED ON WELD MAP
TVA CLASS — TVA SYSTEM CLASSIFICATION
SIZE & THICK — PIPE SIZE & WALL THICKNESS AS MANUFACTURED NOMINAL SPECIFICATION

PIPE MATERIAL (base material at weld joint)
- A = ALUMINUM
- B = STAINLESS STEEL TO Ni Cr STEEL
- C = CARBON STEEL TO CARBON STEEL
- D = CARBON STEEL TO STAINLESS STEEL
- E = CARBON STEEL TO LOW ALLOY STEEL
- S = STAINLESS STEEL TO STAINLESS STEEL
- O = OTHERS

WELD MAP # — DRAWING NUMBER OF WELD MAP

BUILDINGS
- A = AUXILIARY BUILDING
- B = POWERHOUSE
- C = CONTROL BUILDING
- D = DIESEL GENERATOR
- P = INTAKE PUMPING STATION
- R = REACTOR BUILDING
- T = TURBINE BUILDING

WELDER ID — STAMP OF WELDER MAKING FINAL WELD

NDE INSPECTION — IDENTIFY TYPE OF INSPECTION PERFORMED
- VT = VISUAL INSPECTION
- PT = LIQUID PENETRANT EXAMINATION
- MT = MAGNETIC PARTICLE EXAMINATION
- RT = RADIOGRAPHIC INSPECTION
- INSP BY = INSPECTORS INTIALS
- DATE = DATE OF INSPECTION

TYPE OF WELD
- A = AUTOGENOUS - AUTO WELDING WITHOUT FILLER MATERIAL
- B = BUTT WELD - GROVE WELD FOR PIPE, FITTING, VALVE OR COMPONENT BUTT JOINTS
- F = FILLET WELD - WELD FOR CORNER, TEE OR LAP TYPE JOINTS
- S = SOCKET WELD - WELD OF PIPE TO SOCKET CONNECTIONS
- SO = SOCK-O-LET - WELD JOINING A "SOCK-O-LET" TYPE FITTING IN RUN OF PIPE AS AN OUTLET
- WO = WELD-O-LET - WELD JOINING A "WELD-O-LET" FITTING IN RUN OF PIPE AS AN OUTLET

DRAWING NUMBER — UNIQUE IDENTIFICATION OF DESIGN DRAWINGS

TYPE OF FITUP — IDENTIFING TYPE OF PIPE JOINT
- PP = PIPE TO PIPE
- PF = PIPE TO FITTING
- PV = PIPE TO VALVE
- FF = FITTING TO FITTING
- FV = FITTING TO VALVE
- AP = ATTACHMENT TO PIPE

SYSTEM ID
- CA = AUXILIARY FEEDWATER
- CF = FEEDWATER
- CR = STARTUP AND RECIRCULATION
- FF = FUEL OIL
- IO = INSTRUMENT & CONTROL
- IR = RADITION MONITORING
- KC = COMPONENT COOLING
- KE = ESSENTIAL RAW COOLING WATER
- NB = CHEMICAL ADDITION & BORON RECOVERY
- NC = REACTOR COOLANT
- ND = DECAY HEAT REMOVEL
- NI = CONTAINMENT ISOLATION, PENETRATIONS AND LEAKAGE TEST
- NK = REACTOR COOLANT SYSTEM DRAINS & VENTS
- NL = CORE FLOODING
- NM = SPENT FUEL COOLING
- NS = REACTOR BUILDING SPRAY
- NV = MAKEUP AND PURIFICATION
- RG = DIESEL GENERATOR STARTING AIR
- RJ = ESSENTIAL AIR
- RK = COMPRESSED AIR(INCLUDES RH,RI,RK)
- SA = AUXILIARY STEAM
- SM = MAIN & REHEAT STEAM
- SV = RELIEF VENTS MISC. MAIN STEAM
- VA = AUX. BLD. TRAINED AREAS HEATING & VENTS
- VE = AUX. BLD. TRAINED AREAS AIR-CONDITIONING
- WD = WASTE DISPOSAL (INCLUDING WG, WL, WS)

FILLER MATRIAL
- NM = NON-MAGNETIC
- SM = STRONGLY MAGNETIC
- WM = WEAKLY MAGNWTIC

REINSPECT RESULT
- S = SATISFACTORY
- A = CRACKS
- B = CONTOUR/TRANSITION
- C = OFFSET/ALIGNMENT
- D = UNDERCUT
- E = REINFORCEMENT
- F = WELD SPATTER/ARC STRIKE
- G = WELD LOCATION
- H = WELD SIZE
- I = BASE METAL INDICATIONS
- J = WELD CONCAVITY OR CONVEXITY
- K = LACK OF FUSION
- L = WELD OVERLAP
- M = UNDERFILLED
- N = SURFACE POROSITY
- O = SLAG INCLUSION
- P = MISSING WELD
- Q = ROUNDED INDICATIONS
- R = RADIOGRAPHIC RESULTS (See PT Result Legend)
- T = OVERHEATING
- U = IMPROPER WELD SURFACE PREP FOR PT
- V = FERRITE
- W = TOOLING MARKS
- Y = LINEAR INDICATION
- = NO DATA AVAILABLE

RESOLUTION
- A1 = ACCEPTED BY REINSPECTION
- A2 = ACCEPTED BY RECONCILIATION
- A3 = ACCEPTED BY CHARACTERIZATION
- A4 = ACCEPTED BY A2 & A3
- A5 = ACCEPTED BY ENGINEERING EVALUATION
- A6 = ACCEPTED BY A3 & A5
- A7 = ACCEPTED BY FERRITE EVALUATION
- A5 = RT INDICATIONS TRANSFERED TO LEVEL III REVIEW
- R1 = WELD REJECTED BY REINSPECTION

RT RESULT LEGEND
- S = SATISFACTORY
- S1 = SATISFACTORY BY TECHNIQUE REVIEW

WELDING PROBLEMS
- R1 = LINEAR AND ROUNDED INDICATIONS
- R2 = POROSITY
- R3 = LACK OF FUSION
- R4 = INCOMPLETE FUSION
- R5 = LACK OF PENETRATION

FILM PROBLEMS
- R6 = FILM DENSITY
- R7 = GEOMETRIC UNSHARPNESS
- R8 = INCORRECT SENSITIVITY
- R9 = INCORRECT FILM SIZE
- R10 = INCOMPLETE COVERAGE
- R11 = INCORRECT PENETRAMETER
- R12 = IMPROPER SHIMMED PENETRAMETER
- R13 = IMPROPER LOCATED PENETRAMETER

OTHER PROBLEMS
- R14 = REREAD INCOMPLETE
- R15 = WELD IDENTIFICATION
- R16 = WIRE INSIDE PIPE
- R17 = RESHOT REQUIRED
- R18 = TECHNIQUE PROBLEMS
- R19 = VISUAL CONFIRMATION REQUIRED
- R20 = DEPTH MEASUREMENT REQUIRED
- R21 = REPAIR IDENTIFIED

NOTES:
1. PER PHYSICAL DWS ALL SAFETY RELATED (ESF) PIPING & EQUIPT ARE SEISMIC CATEGORY 1 FABRICATED & INSTALLED IN ACCORDANCE WITH ASME III CODE CLASS 3
2. RT PERFORMED AS A RESULT OF SITE PROCEDURE THAT REQUIRES 10% OF B31.1 WELDS BE RT
3. CODE TAGS ATTACHED TO PIPE
4. WELDS ARE INACCESSIBLE-REINSPECTION IS REVIEW OF RT FILM ONLY (WELD LOCATED INSIDE PENETRATION)
5. ACCUMULATOR TANK WELDS
6. RT-PLUG WELDS
7. WELD HAS 4 LUGS WELDED OVER TOP OF PIPE WELDS CANNOT PERFORM COMPLETE MT REINSPECTION
8. MECHANICAL PIPE PENETRATIONS (a) X-13 (b) X-51
9. ELECTRICAL PENETRATIONS (a) X-114 (b) X-131
10. VT AND/OR PT COULD NOT BE RERFORMED DUE TO LOCATION OF SUPPORT
11. WELDS G & H ON WELD MAP AND ACTUAL HARDWARE DO NOT AGREE SEE WELDING PROJECT REPLY MEMO WP 030368-001
12. RT REINSPECTION REREAD HOT PREFORMED ON WELD
13. RT REINSPECTION REREAD INCOMPLETE - REMOVED FROM DATA BASE
14. PT PERFORMED DURING REINSPECTION AS AN ADDITIONAL EXAMINATION

TABLE 3.4

22-Sep-93

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT								REINSPECTIONS						
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	CA	1CA00040	III3S	6.00	0.719	C	WM1CA-2	A	FALL	AWS	071079	PT	AWS	071079			RMB	092087	PT	RMB	092087			20.61	B	FV	SM	3BW0418-CA-05	S	B				A1	
1	CA	1CA00140	III3S	6.00	0.719	C	WM1CA-7	A	FAIH	JRP	071978	PT	JRP	071978			SEV	091987	PT	SEV	091987			20.61	B	PP	SM	3BW0418-CA-03	D	S				A6	
1	CA	1CA00205	III3S	6.00	0.719	C	WM1CA-9	A	FAVD	JRP	092278	PT	JRP	092278			SEV	092087	PT	SEV	092087			20.61	S	FV	SM	3BW0418-CA-04	S	S				A1	
1	CA	1CA00218B S1	III3S	0.50	0.147	C	WM1CA-10	A	FCML	NAA	053164						SEV	092087						2.64	S	PF	SM	3BW0418-CA-05	B					A1	
1	CA	1CA00256	III2S	6.00	0.719	C	WM1CA-11	R	FALW	EWI	060776				LBH	061576	DET	031188				DHM	031588	20.61	B	PP	SM	3BW0418-CA-03	K			R6		A3	A5
1	CA	1CA00313	III2S	4.00	0.337	C	WM1CA-14	R	FAEJ	CKT	092153	PT	CKT	092153	LBH	092353	DET	031188	PT	DET	031188	DHM	031688	14.14	B	FF	SM	3BW0418-CA-02	S	S		S		A1	A1
1	CA	1CA00335	III2S	6.00	0.710	C	WM1CA-11	R	FCON	MPM	022984				LBH	030584	DET	031188				DHM	031688	20.61	B	PF	SM	3BW0418-CA-02	K			R7		A4	A5
2	CA	2CA00205	III2S	3.00	0.438	C	WM2CA-11	R	FBXB	AHH	100281				LBH	102881	SEV	092187				DHM	092387	11.00	B	PF	SM	3BW0418-CA-10	B			R7		A1	A5
2	CA	2CA00211	III2S	3.00	0.438	C	WM2CA-11	R	FSMM	AHH	120381				JNG	122981	SEV	092187				DHM	092087	11.00	B	PF	SM	3BW0418-CA-01	S			R7		A1	A6
1	CF	1CF00003B	B311S	1.50	0.281	D	WM1CF-1	A	PAAO	RSG	091082						KJC	032588						5.97	F	FF	WM	3BW0401-CF-01	S					A1	
1	CF	1CF00034	B311S	26.00	1.419	C	WM1CF-2	C	FALH	RPR	082680				JHG	090960	KJC	032588				DHM	031688	87.06	B	PF	SM	3BW0401-CF-03	S			S	NOTE 2	A1	A1
1	CF	1CF00171	III2S	8.00	0.719	C	WM1CF-4	A	FAKW	JDE	102379				LBH	110979	SEV	092587				DHM	030188	27.10	B	PV	SM	3BW0401-CF-01	S			S		A1	A1
1	CF	1CF00238	III2S	20.00	1.500	C	WM1CF-4	A	FALB	LJM	081479				LBH	082979	DET	032588				DHM	031688	62.83	B	PV	SM	3BW0401-CF-01	B			R7		A1	A5
1	CF	1CF00301	III2S	1.00	0.179	C	WM1CF-4	A	FBAO	JRW	032285	PT	JRW	032285			SEV	092887	PT	JAS	093087			4.13	S	PV	SM	3BW0401-CF-01	S	S				A1	
1	CF	1CF00317	III2S	8.00	0.719	C	WM1CF-4	A	FAWP	LJM	080479				LBH	081079	DET	032488				DHM	031888	27.10	B	PV	SM	3BW0401-CF-01	S			B		A1	A1
1	CF	1CF00361	III2S	16.00	1.219	C	WM1CF-5	R	FSMA	AWS	021681				LBH	022381	JAS	031488				DHM	031688	50.27	B	PP	SM	3BW0401-CF-01	S			S		A1	A1
1	CF	1CF00362	III2S	16.00	1.219	C	WM1CF-5	R	FBMA	JHC	012961				LBH	021881	JAS	031488				DHM	031088	50.27	B	PP	SM	3BW0401-CF-01	S			S		A1	A1
1	CF	1CF00391	III2S	22.00	1.625	C	WM1CF-5	R	FAEJ	TJA	121082				LBH	020283	JAS	031388				DHM	031688	69.12	B	PF	SM	3BW0401-CF-01	S			S		A1	A1

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS												
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS						RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP SY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	CR	1CR00037A	III2S	8.00	0.719	C	WM1CR-1	A	FBBH	MAG	102080				JHG	102380	DET	031188				DHM	030388	27.10	B	PV	SM	3BW0420-CR-05	F			S		A5	A1
2	FF	2FF00117	III3S	3.00	0.216	C	WM2FF-1	D	FBBS	DJM	031181						SEV	092187						11.00	B	PF	SM	3DW0598-00-07	S					A1	
2	FF	2FF00150	III3S	1.50	0.145	C	WM2FF-1	D	FBBS	JEB	041481						SEV	092187						5.07	S	PF	SM	3DW0588-00-07	B					A1	
2	FF	2FF00197	III3S	3.00	0.218	C	WM2FF-2	D	FBJL	DJM	051181						RMB	092187						11.09	B	PF	SM	3DW0598-00-07	S					A1	
2	FF	2FF00259	III3S	2.00	0.154	C	WM2FF-2	D	FBJL	DJM	050781						RMB	092187						7.40	B	PF	SM	3DW0598-00-07	S					A1	
1	IO	1IO00150F S1	III2S	0.50	0.438	S	WM1IO-1	A	PAAQ	REG	062983	PT	REG	062883			KJC	032888	PT	KJC	032888			2.64	SO	FF	WM	5AW0911-IO-21	B	S				A1	
1	IO	1IO00642F	III2S	0.38	0.065	S	WM1IO-2	R	PABQ	WTS	020183				LBH	020383	KJC	031788				DHM	030388	1.19	A	PP	WM	5AW0911-IO-10	S			S		A1	A1
1	IR	1ILA118A-1-A09	III3S	1.00	0.065	S	1ILA-118A-1	A	PAGC	RAC	112884						KJC	032388						4.13	A	PF	NM	5AW1974-IO-05A	S					A1	
1	IR	1ILA118A-1-A10	III3S	1.00	0.065	S	1ILA-118A-1	A	PAGC	RSG	122784						KJC	032388						4.13	A	PF	NM	5AW1974-IO-05A	S					A1	
1	KC	1ILA099B-1-E32 T1	III3S	0.38	0.065	S	1ILA-099B-1	A	PAGC	RGB	011085						JAS	031288						1.19	A	PF	NM	5AW1975-IO-99	S					A1	
1	KC	1ILA099B-1-F32 S1	III3S	0.38	0.065	S	1ILA-099B-1	A	PAGC	RGB	011085						JAS	031288						1.19	A	PF	NM	5AW1975-IO-99	S					A1	
1	KC	1ILA101-1-A09 S1	III3S	0.38	0.065	S	1ILA-101-1	A	PAAF	JRW	100783						RMB	001487						1.19	A	PP	NM	5AW1976-IO-01	S					A1	
1	KC	1ILA101-1-B09 S1	III3S	0.38	0.065	S	1ILA-101-1	A	PAAF	JRW	100783						RMB	091487						1.19	A	FF	NM	5AW1976-IO-01	B					A1	
1	KC	1KC00049	III3S	2.00	0.154	C	WM1KC-2	A	FANX	AWS	072479						JAS	031288						7.46	S	PF	SM	3BW0456-KC-01	S					A1	
1	KC	1KC00132	III3S	2.00	0.154	C	WM1KC-2	A	FAXD	AWS	062179						RMB	091887						7.46	S	PF	SM	3BW0456-KC-11	S					A1	
1	KC	1KC00349	III3S	2.00	0.154	C	WM1KC-2	A	FAJO	JFH	112079						JAS	031288						7.40	S	FV	SM	3BW0456-KC-01	S					A1	
1	KC	1KC00351A	III3S	0.50	0.109	C	WM1KC-2	A	FBKU	WJSw	061881						JAS	031288						2.64	B	PF	SM	3BW0456-KC-01	S					A1	
1	KC	1KC00593A	III3S	24.00	0.375	C	WM1KC-7	A	FABG	CMM	112177	PT	CMM	112177			JAS	031588	PT	JAS	031888			75.46	B	PP	SM	3BW0456-KC-08	S	S				A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT								REINSPECTIONS						
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	KC	1KC00607 R1	III3S	20.00	0.375	C	WM1KC-10	A	FAER	RLE	020478	PT	RLE	020478			JAS	031588	PT	JAS	031588			62.83	B	PP	SM	3BW0456-KC-09	B	B				A1	
1	KC	1KC00656	III3S	4.00	0.237	C	WM1KC-12	A	FABB	JRP	030278						JAS	031488						14.14	B	PV	SM	3BW0456-KC-09	S					A1	
1	KC	1KC00671M S1	III3S	0.50	0.109	C	WM1KC-8	A	FAHF	MRP	071983						JAS	031288						2.64	S	PV	SM	3BW0456-KC-09	S					A1	
1	KC	1KC00673B	III3S	24.00	0.375	C	WM1KC-8	A	FBLT	RLS	071080	MT	RLS	071080			JAS	031588	MT	JAS	031588			75.40	B	PF	SM	3BW0456-KC-05	B		S			A1	
1	KC	1KC00675	III3S	0.50	0.109	C	WM1KC-0	A	FABG	MRP	121678						JAS	031288						2.54	S	PV	SM	3BW0456-KC-05	S					A1	
1	KC	1KC00888	III3S	3.09	0.216	C	WM1KC-15	A	FANG	MAG	092078						JAS	031488						11.09	B	PF	SM	3BW0456-KC-08	F					A5	
1	KC	1KC00951D	III3S	3.00	0.216	C	WM1KC-15	A	FAJO	MAM	032680						JAS	031488						11.00	B	PP	SM	3BW0456-KC-11	S					A1	
1	KC	1KC00983	III3S	3.00	0.216	C	WM1KC-17	A	FABB	RLE	021778						SEV	091487						11.00	B	PV	SM	3BW0456-KC-04	S					A1	
1	KC	1KC01033	III3S	1.00	0.133	C	WM1KC-18	R	FBXT	RDW	013104						JAS	031588						4.13	S	PF	SM	3BW0456-KC-14	S					A1	
1	KC	1KC01114C S1	III3S	6.00	0.280	C	WM1KC-20	R	FAOR	MOM	020384	MT	MOM	020384			JAS	031588	MT	JAS	031588			20.61	B	PF	SM	3BW0456-KC-17	S		S			A1	
1	KC	1KC01122D	III3S	0.50	0.109	C	WM1KC-20	R	FAKW	SMM	032784						SEV	091587						2.64	S	PF	SM	3BW0456-KC-17	F					A5	
1	KC	1KC01182E	III3S	0.50	0.109	C	WM1KC-21	R	FADD	SMM	021584						DET	032488						2.64	S	PV	SM	3BW0456-KC-21	S					A1	
1	KC	1KC01336A	III3S	3.00	0.438	C	WM1KC-24	R	FALK	LJM	102380						DET	032488						11.00	B	PP	SM	3BW0456-KC-15	S					A1	
1	KC	1KC01462	III3S	3.00	0.438	C	WM1KC-27	R	FAKO	WMN	082779						JAS	031488						11.00	B	FV	SM	3BW0456-KC-13	B					A1	
1	KC	1KC01898	III3S	2.00	0.154	C	WM1KC-28	A	FAMY	EWI	001579						RMB	091487						7.46	S	PF	SM	3BW0456-KC-07	S					A1	
1	KC	1KC01860	III3S	1.50	0.146	C	WM1KC-30	A	FBGY	JDE	010880						JAS	031296						5.97	S	PV	SM	3BW0456-KC-12	S					A1	
1	KC	1KC02002	III3S	0.50	0.109	C	WM1KC-7	A	FABO	AV	061881						JAS	031488						2.64	S	PF	SM	3BW0456-KC-05	S					A1	
2	KC	2KC00658B R3	III2S	12.00	0.375	C	WM2KC-7	R	FBKD	MCM	021183				LBH	021883	KTC	032288				DHM	031788	40.00	B	PF	SM	3BW0456-KC-27	B			S		A1	A1

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	CATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
2	KC	2KC00677	III3S	1.00	0.133	C	WM2KC-8	R	FCIR	MOM	072283						RMB	091587						4.13	B	PV	SM	3BW0456-KC-27	S					A1	
2	KC	2KC00942	III3S	3.00	0.438	C	WM2KC-13	R	FASE	MOM	101882						SEV	091887						11.00	B	FV	SM	3BW0456-KC-27	B					A1	
1	KE	1ILC011B-1-A10 T1	III3S	0.35	0.065	S	1ILC-811B-	C	PAAF	RBH	121284						KJC	092487						1.19	A	FF	NM	5CW1975-IO-11	S					A1	
1	KE	1KE02565A	III3S	0.50	0.109	C	WM1KE-23A	A	PAAZ	MAG	101879						AKR	031388						2.64	B	PF	SM	3BW0453-KE-16	S					A1	
1	KE	1KE03532	III3S	0.50	0.218	S	WM1KE-30	A	FAHF	JSB	012379						AKR	031588						2.64	SO	PF	NM	3BW0453-KE-21	S					A1	
1	KE	1KE03954	III2S	12.00	0.375	C	WM1KE-33	R	FAGC	GAU	053175				LBH	050278	DET	032488				DHM	031788	40.06	B	PP	SM	3BW0453-KE-24	S			S		A1	A1
1	KE	1KE03955D R1	III2S	1.00	0.179	C	WM1KE-33	R	FCMY	DWG	011283	PT	DWG	011283			KLC	031888	PT	KJC	031888			4.13	S	PF	SM	3BW0456-KE-36	B	B				A1	
1	KE	1KE04348A	III3S	1.00	0.312	C	WM1KE-39	P	PAAZ	RWK	091782						KLC	032688						4.13	SO	PF	SM	7KN0506-KE-09	L					A5	
1	KE	1KE05230	III3S	6.00	0.320	S	WM1KE-23A	A	FAHI	WJSw	050283	PT	WJSw	050283			JAS	031888	PT	JAS	031888			27.10	S	PF	WM	3BW0453-KE-36	S	S				A1	
2	KE	2ILK003-1-A15A T1	III3S	0.38	0.065	S	2ILK-003-1	P	PACC	JHH	051387						KJC	092587						1.19	S	PF	NM	9KW1911-KE-03	N					A3	
2	KE	2ILK003-1-D19	III3S	0.38	0.065	S	2ILK-003-1	P	PABL	TMH	120779						DET	092587						1.19	A	PF	WM	9KW1911-KE-36	S					A1	
2	KE	2KE00045B	III3S	3.00	0.216	D	WM2KE-1	A	FANE	DWC	121978						AKR	031368						11.00	WO	PF	WM	3BW0456-KE-08	B					A1	
2	KE	2KE00045D	III3S	3.00	0.216	S	WM2KE-1	A	FAWE	JES	120978						AKR	031588						11.00	B	PF	NM	3BW0456-KE-08	S					A1	
2	KE	2KE01042 R1	III3S	35.00	0.375	C	WM2KE-10	A	FAGY	JRP	030278	PT	JRP	030278			JAS	032588	PT	JAS	032588			113.10	B	PP	SM	3BW0456-KE-10	M	B				A5	
2	KE	2KE01126C	III3S	6.00	0.280	C	WM2KE-11	A	FAVK	GMJ	103180	MT	GMJ	103180			JAS	032688	MT	JAS	032688			20.61	B	PF	SM	3BW0453-KE-11	S		B			A1	
2	KE	2KE01281A	III3S	4.00	0.237	S	WM2KE-12	A	FALZ	JES	042479						AKR	031588						14.14	B	PF	NM	3BW0453-KE-11	B					A1	
2	KE	2KE01311 R1	III3S	16.06	0.375	C	WM2KE-13	A	FABG	JDE	022277	PT	JDE	022277			KLC	032183	PT	KJC	032188			50.27	B	PF	SM	3BW0456-KE-13	S	S				A1	
2	KE	2KE01320 R1	III3S	38.00	0.375	C	WM2KE-13	A	FAGY	LWP	112277	PT	LWP	112277			JAS	032588	PT	JAS	032688			113.10	B	FF	SM	3BW0453-KE-13	S	Y				A3	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & CATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MT/PT			RT		VT		MT/PT			RT							REINSPECTIONS						
																													SURFACE			VOLUME		RESOLUTION	
UNIT	BYS	WELD NUMBER	TVA CLB	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	KE	2KE01345	III3S	16.00	0.375	C	WM2KE-13	A	FAGY	CMMc	112977	PT	CMMc	112977			JAS	032588	PT	JAS	032588			50.27	B	PF	SM	3BW0453-KE-13	B	S				A1	
2	KE	2KE01534	III3S	10.00	0.365	C	WM2KE-18	D	FAWF	JLH	011480	PT	JLH	011480			RMB	092287	PT	SEV	092287			33.77	B	PF	SM	3DW0598-00-06	B	S				A1	
2	KE	2KE01540B	III3S	1.00	0.133	C	WM2KE-18	D	FAJW	TEG	020180						RMB	092287						4.13	S	PF	SM	3DW0598-00-06	S					A1	
2	KE	2KE01564G	III3S	1.00	0.133	C	WM2KE-18	D	FAFN	ACH	020480						RMB	092287						4.13	S	PF	SM	3DW0598-00-06	DFH					A6	
2	KE	2KE01593	III3S	10.00	0.365	C	WM2KE-16	D	FAWD	JLH	122079	PT	JLH	122079			RMB	092287	PT	SEV	092287			33.77	B	PF	SM	3DW0598-00-06	S	S				A1	
2	KE	2KE01888	III3S	8.00	0.322	C	WM2KE-12	A	FAGY	PKM	100975	PT	PKM	100975			JAS	031888	PT	JAS	031888			27.10	B	PF	SM	3BW0456-KE-14	S	S				A1	
2	KE	2KE01859B S1	III3S	0.50	0.109	C	WM2KE-12	A	FBAI	OGP	061885						AKR	031388						2.64	S	PF	SM	3BW0453-KE-14	S					A1	
2	KE	2KE01854D	III3S	1.09	0.133	C	WM2KE-12	A	FALZ	MAG	092879						AKR	031388						4.13	S	PF	SM	3BW0456-KE-14	S					A1	
2	KE	2KE02111	III3S	3.00	0.216	S	WM2KE-23	A	FALZ	RLE	070679						AKR	031388						11.00	B	PF	NM	3BW0453-KE-32	S					A1	
2	KE	2KE02179	III3S	0.75	0.113	S	WM2KE-11	A	FAJW	DJB	041180						AKR	031388						3.30	S	PF	NM	3BW0453-KE-32	S					A1	
2	KE	2KE02280 S1	III3S	4.00	0.237	C	WM2KE-24	P	FAVI	JES	020680						KJC	032888						14.14	B	FV	SM	7KW0506-KE-11	M					A5	
2	KE	2KE02409B	III3S	30.00	0.375	C	WM2KE-28	P	FAOZ	TEG	071879	PT	TEG	071879			KJC	032588	PT	KJC	032588			64.26	F	PF	SM	7KW0506-KE-11	DH	U				R1	
2	KE	2KE02615 S1	III3S	4.09	0.237	S	WM2KE-25	P	FBPK	JPB	053081						KJC	092587						14.14	B	FF	WM	7KW0506-KE-11	S					A1	
2	KE	2KE03109	III3S	4.00	0.237	C	WM2KE-29	P	FARH	TMH	061379						KJC	032588						14.14	B	PF	SM	7KW0506-KE-09	S					A1	
2	KE	2KE04256C	III3S	0.75	0.113	B	WM2KE-33	P	FBPK	JHC	100151						DET	092587						3.30	B	PF	WM	7KW0506-KE-08	N					A3	
0	NB	0NB00046E	III3S	2.00	0.164	S	WM0NB-3	A	FBUJ	ACH	082261						SEV	091887						7.46	B	PF	WM	3AW0478-NB-03	B					A1	
0	NB	0NB00391 S1	III3S	2.00	0.154	S	WM0NB-3	A	FBUJ	AV	001881						SEV	001887						7.46	B	PF	WM	3AW0478-NB-03	S					A1	
0	NB	0NB00506	III3S	1.58	0.145	S	WM0NB-3	A	FANM	LJM	042578						SEV	091587						5.97	B	PP	WM	3AW0478-NB-16	S					A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS												
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	CATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
0	NB	0NB00650D	III3S	2.00	0.154	B	WM0NB-10	A	FBER	DJB	092680						JAS	032968						7.46	B	FF	WM	3AW0478-NB-16	B					A1	
0	NB	0NB00675	III3S	1.50	0.145	B	WM0NB-11	A	FBAN	DJM	091479						SEV	091887						5.97	B	PF	WM	3AW0478-NB-23	S					A1	
0	NB	0NB00922	III3S	1.50	0.146	S	WM0NB-11	A	FAWI	MAG	060580						SEV	091587						5.97	B	PF	WM	3AW0478-NB-23	S					A1	
0	NB	0NB01124A	III3S	1.00	0.133	S	WM0NB-12	A	FBFD	DJM	011888						SEV	091787						4.13	S	PV	WM	3AW0478-NB-13	B					A1	
0	NB	0NB01243B	III3S	2.00	0.154	S	WM0NB-8	A	FARK	JES	071178						SEV	091567						7.46	B	PF	WM	3AW0478-NB-16	S					A1	
1	NB	1NB00133 T1	III3S	2.00	0.154	S	WM1NB-2	A	FBCW	S	011681						SEV	091787						7.46	B	PF	WM	3AW0478-NB-10	S					A1	
1	NB	1NB09134 T1	III3S	2.00	0.154	S	WM1NB-2	A	FBCW	S	011881						SEV	091787						7.46	B	PF	WM	3AW0478-NB-10	S					A1	
1	NB	1NB09250 B1	III3S	1.50	0.146	S	WM1NB-2	A	FBCW	S	021831						RMB	091787						5.97	B	PF	WM	3AW0478-NB-05	S					A1	
1	NB	1NB00310D	III3S	1.00	0.133	S	WM1NB-8	C	FAWI	DJM	082279						RMB	091787						4.13	B	PF	WM	3AW0478-NB-06	S					A1	
1	NB	1NB09335	III3S	1.00	0.133	S	WM1NB-3	C	FAFF	ECA	011477						SEV	091787						4.13	S	PF	WM	3AW0478-NB-06	S					A1	
1	NB	1NB00494C	III3S	1.50	0.146	S	WM1NB-8	A	FAPZ	EWI	101879						SEV	091587						5.97	S	PF	WM	3AW0478-NB-22	S					A1	
1	NB	1NB00612	III3S	2.00	0.154	S	WM1NB-6	A	FARK	RLE	030878						SEV	091887						7.46	B	PF	WM	3AW0478-NB-22	S					A1	
1	NB	1NB09601	III3S	2.00	0.154	S	WM1NB-7	A	FARK	LAL	042679						SEV	991887						7.46	B	PF	WM	3AW0478-NB-22	S					A1	
1	NB	1NB00936	III2S	1.00	0.133	S	WM1NB-0	R	FAYG	JHC	032181	PT	JHC	032181			RMB	091787	PT	SEV	091887			4.13	S	FF	WM	3AW0478-NB-15	S	Y				A3	
2	NB	2NB00327B	III3S	2.00	0.154	S	WM2NB-3	C	FAPQ	JDE	102079						SEV	091687						7.46	S	FF	WM	3AW0478-NB-06	B					A1	
2	NB	2NB00670	III3S	3.00	0.216	S	WM2NB-0	A	FBGV	DH	022282						RMB	091787						11.00	B	PF	WM	3AW0478-NB-22	B					A1	
2	NB	2NB00728	III3S	2.50	0.203	S	WM2NB-6	A	FBAI	DH	071982						SEV	091787						9.03	B	FV	WM	3AW0478-NB-22	IN					A3	
1	NC	1NC00034	III1S	4.00	0.531	S	WM1NC-1	R	FAKD	TJA	110182	PT	TJA	110182	LBH	110362	KJC	031488	PT	KJC	031488	DHM	030588	14.14	B	PV	WM	3BW0417-NC-03	F	S		R7		A5	A8

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS												
										VT		MT/PT			RT		VT		MT/PT			RT							REINSPECTIONS							
																													SURFACE			VOLUME			RESOLUTION	
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	ND	1ILA057B-1-B62-T1	III2G	0.38	0.065	S	1ILA-057B-1	A	PAAF	SMM	092683				LBH	092683	JAS	060788				DHM	030488	1.19	A	PF	NM	5AW1976-IO-57C	S			S		A1	A1
1	ND	1ILA057B-1-C62-T1	III2G	0.06	0.065	S	1ILA-057B-1	A	PAAF	SMM	092683				LBH	092683	JAS	030788				DHM	030488	1.19	A	PF	NM	5AW1976-IO-07C	S			S		A1	A1
1	ND	1ND00020B	III2G	1.00	0.133	S	WM1ND-1	A	FANG	RLS	102688	PT	RLS	102680			JAS	030788	PT	JAS	030788			4.13	F	AP	WM	3AW0412-ND-02	S	S			NOTE 0	A1	
1	ND	1ND00002K	III2G	1.00	0.250	S	WM1ND-1	A	PABK	WJSw	110460				JHG	110680	JAS	030888				DHM	030488	4.13	B	PF	WM	3AW0412-ND-01	S			B		A1	A1
1	ND	1ND00003-G2	III2G	18.00	0.375	S	WM1ND-1	A	FABG	DJM	021580				LBH	022680	JAS	030388				DHM	030488	56.56	B	PF	WM	3AW0412-ND-01	S			S		A1	A1
1	ND	1ND00044	III2G	18.00	0.375	S	WM1ND-1	A	FANG	JSB	010380				LBH	012680	JAS	030188				DHM	030488	50.55	B	PV	WM	3AW0412-ND-01	S			S		A1	A1
1	ND	1ND00057B-R1	III2G	2.50	0.208	S	WM1ND-1	A	FANG	RLE	012079				LBH	020679	JAS	030688				DHM	030488	9.03	B	PF	WM	3AW0412-ND-05	S			S		A1	A1
1	ND	1ND00075A	III2G	1.00	0.133	S	WM1ND-2	A	FALZ	DJB	091260	PT	DJB	091260			JAS	030788	PT	JAS	030788			4.13	F	FF	WM	3AW0412-NC-04	B	S			NOTE 6	A1	
1	ND	1ND00107F	III2G	0.50	0.109	S	WM1ND-3	A	FAWG	DLR	072680				JHG	080480	JAS	030788				DHM	030488	2.64	B	PF	WM	3AW0412-ND-04	S			S		A1	A1
1	ND	1ND00108G-R1	III2G	2.00	0.154	S	WM1ND-4	A	FGMY	MHD	091981				LBH	092581	JAS	030688				DHM	030588	7.46	B	PF	WM	3AW0412-ND-01	S			B		A1	A1
1	ND	1ND00162H	III2G	1.50	0.146	S	WM1ND-5	A	FBGW	JFH	062380				LBH	070280	JAS	030786				DHM	030688	6.97	B	PF	WM	3AW0412-ND-06	S			S		A1	A1
1	ND	1ND00169B	III2G	1.00	0.133	S	WM1ND-6	A	FBLN	JRW	100484	PT	JRW	100484			JAS	030786	PT	JAS	030788			4.13	F	FF	WM	3AW0412-ND-02	S	S			NOTE 6	A1	
1	ND	1ND00198-B1	III3G	4.00	0.237	S	WM1ND-7	A	FABG	JEB	122278						JAS	030838						14.14	B	PF	WM	3AW0412-ND-03	S					A1	
1	ND	1ND00272	III1S	14.00	1.406	S	WM1ND-8	R	FBJD	LJM	021580	PT	LJM	021580	LBH	030380	JAS	022686	PT	JAS	022686	DHM	030488	43.98	B	PV	WM	3RB0413-ND-01	S	S		S		A1	A1
1	ND	1ND00273-R1	III1S	14.00	1.406	S	WM1ND-9	R	FBJD	ARC	111083	PT	ARC	111083	LBH	041580	JAS	022688	PT	JAS	022688	DHM	030488	43.98	S	PV	WM	3RB0413-ND-03	S	S		S		A1	A1
1	ND	1ND00273A	III1S	0.75	0.406	S	WM1ND-9	R	FCDO	JPB	092081	PT	CKT	092081			JAS	030188	PT	JAS	030188			3.30	SO	AP	WM	3RB0413-NB-03	B	S				A1	
1	ND	1ND00281B	III1S	1.00	0.250	S	WM1ND-6	R	FBAO	CKT	110381	PT	CKT	110381	JHG	110981	JAS	030288	PT	JAS	030288	DHM	031588	4.13	B	PF	WM	3RB0413-ND-05	B	B		B		A1	A1
1	ND	1ND00281C	III1S	1.00	0.250	S	WM1ND-6	R	FBKC	JHC	012981	PT	JHC	012981	LBH	021081	JAS	030288	PT	JAS	030288	DHM	031588	4.13	B	PF	WM	3RB0413-NC-05	S	S		R6		A1	A6

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE								REINSPECTION NDE								REINSPECTION RESULTS											
										VT		MY/PT				RT		VT		MT/PT			RT														
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FTUR	WELD METL	PHYSICAL DRAWING NUMBER	REINSPECTIONS SURFACE VT	PT	MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	VOLUME
1	ND	1ND00261F S1	III1S	1.00	0.280	S	WM1ND-9	R	FBTA	ZSR	110651	PT	ZSR	110651			JAS	030266	PT	JAS	030266			4.13	S	FV	WM	3RB0413-ND-05	S	R				A1	
1	ND	1ND00261G	III1S	1.00	0.280	S	WM1ND-9	R	FBTA	ZSR	110651	PT	ZSR	110661	JHG	110961	JAS	030266	PT	JAS	030266	DHM	031666	4.13	B	PF	WM	3RB0413-ND-05	R	R		S	NOTE 11	A1	A1
1	ND	1ND00261H	III1S	1.00	0.250	S	WM1ND-9	R	FBTA	ZSR	110651	PT	ZSR	110601	JHG	110981	JAS	030266	PT	JAS	030206			4.13	B	PF	WM	3RB0413-ND-05	R	S			NOTE 11,12	A1	
1	ND	1ND00262B S1	III1S	1.00	0.250	S	WM1ND-0	R	FBAO	JPB	021262	PT	JPB	021362	WEL	021662	JAS	030206	PT	JAS	030266	DHM	031766	4.13	B	PF	WM	3RB0413-ND-05	S	R		S		A1	A1
1	ND	1ND00269	III1S	14.00	1.406	S	WM1ND-9	R	FAEJ	GMJ	103179	PT	GMJ	103179	JHG	012860	JAS	022766	PT	JAS	022766	DHM	031560	43.06	B	PF	WM	3RB0413-ND-05	S	S		S		A1	A1
1	ND	1ND00290 R1	III1S	14.00	1.406	S	WM1ND-9	R	FAEV	CKT	112263	PT	CKT	112263	LBH	030254	JAS	022666	PT	JAS	022666	DHM	031666	43.06	B	PF	WM	3RB0413-ND-01	S	R		S		A1	A1
1	ND	1ND00290A	III1S	14.00	1.406	S	WM1ND-9	R	FAOG	BDM	062460	PT	BDM	092460	JHG	071060	JAS	022766	PT	JAS	022766	DHM	031366	43.06	B	PF	WM	3RB0413-ND-02	S	Y		R6		A4	A6
1	ND	1ND00290B S2	III1S	14.00	1.406	S	WM1ND-9	R	FBXT	MOM	113063	PT	MOM	113063	WEL	120263	JAS	032266	PT	JAS	032266	DHM	041166	43.06	B	PP	WM	3RB0413-ND-01	S	S		S		A1	A1
1	ND	1ND00291A R1	III1S	0.50	0.188	S	WM1ND-9	R	PAAZ	DWG	110162	PT	DWG	110162	LBH	110462	JAS	030266	PT	JAS	030266	DHM	031666	2.64	B	FF	WM	3RB0413-ND-05	S	S		R		A1	A1
1	ND	1ND00291B	III1S	0.50	0.188	S	WM1ND-9	R	PAAZ	DWG	101962	PT	DWG	101962	LBH	110362	JAS	030266	PT	JAS	030266	DHM	031560	2.64	B	FF	WM	3RB0413-ND-05	S	S		S		A1	A1
1	ND	1ND00292 R3	III1S	14.00	1.406	S	WM1ND-0	R	FBMA	MPM	050264	PT	OOP	050204	LBH	050464	AKR	022666	PT	AKR	022666	DHM	031666	40.06	B	PV	NM	3RB0413-ND-63	S	S		R6		A1	A6
1	ND	1ND00296	III2S	1.00	0.250	S	WM1ND-6	R	FBMJ	JHC	030961				LBH	040661	JAS	030966				DHM	031566	4.13	B	PE	WM	3RB0413-ND-03	S			R		A1	A1
1	ND	1ND00301 T1	III1S	14.00	1.406	S	WM1ND-9	R	FANQ	CKT	100361	PT	CKT	100361	LBN	100561						DHM	031596	43.06	B	PV		3RB0413-ND-01				S	NOTE 10		A1
1	ND	1ND00301A R2	III1S	14.00	1.406	S	WM1ND-9	R	FARP	JHC	031161	PT	JHC	031161	LBH	040761	JAS	022666	PT	JAS	022666	DHM	031760	43.06	B	PP	WM	3RB0413-ND-01	R	R		R		A1	A1
1	ND	1ND00326 S1	III1S	0.75	0.219	S	WM1ND-9	R	FBXT	RWP	091062	PT	RWP	091062			JAS	030266	PT	JAS	030260			3.30	B	PE	WM	3RB0413-ND-03	R	R				A1	
1	ND	1ND00349A	III2S	0.75	0.219	S	WM1ND-0	R	FARP	JHC	031361				LBH	040661	JAS	030166				DHM	031666	3.30	B	PE	WM	3RB0413-ND-03	R			R		A1	A1
1	ND	1ND00384	III2S	2.00	0.344	S	WM1ND-10	R	FANQ	GMJ	033160				JHG	050660	JAS	030466				DHM	031566	7.46	B	PE	WM	3RB0413-ND-01	S			R6		A1	A3
1	ND	1ND00306 R1	III2S	2.00	0.344	S	WM1NB-10	R	FAFV	MOM	102163				LBH	102563	JAS	030466				DHM	031666	7.46	B	PE	WM	3RB0413-ND-02	R			S		A1	A1

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE						REINSPECTION NDE						REINSPECTION RESULTS											
										VT		MT/PT		RT		VT		MT/PT		RT		LN IN					REINSPECTIONS						
																											SURFACE			VOLUME		RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	ND	1ND00390 T1	III1S	2.00	0.344	B	WM1ND-10	R	FBXT	MPM	001184	PT	MPM	091184	LBH	091984	JAS	022688	PT	JAS	022688	DHM	031588	7.46	B	PF	WM	3RB0413-ND-04	S	S		R7		A1	A8
1	ND	1ND00397 S1	III1S	2.00	0.344	S	WM1ND-10	R	FBXT	RDW	080784	PT	RDW	080784	LBH	081084	JAS	022688	PT	JAS	022688	DHM	031588	7.46	B	PV	WM	3RB0413-ND-04	S	S		S		A1	A1
1	ND	1ND00407A S1	III1S	3.00	0.438	S	WM1ND-10	R	FBXT	MOM	070584	PT	MOM	070584	LBH	070684	JAS	030488	PT	JAS	030488	DHM	031688	11.00	B	PF	WM	3RB0413-ND-04	S	S		R7		A1	A8
1	ND	1ND00408 S1	III1S	1.00	0.250	S	WM1ND-10	R	PAAQ	RMN	082981	PT	ZSR	082981	LBH	090181	JAS	030388	PT	JAS	030388	DHM	031688	4.13	B	PF	WM	3RB0413-ND-04	S	S		B		A1	A1
1	ND	1ND00413	III2S	1.00	0.250	S	WM1ND-10	R	PAAQ	DJS	102180	PT	DJB	102080			JAS	030388	PT	JAS	030388			4.13	S	PV	WM	3RB0413-ND-04	S	S				A1	
1	ND	1ND00421	III1S	3.00	0.438	S	WM1ND-10	R	FAEJ	LJM	100479	PT	LJM	100479	LBH	101279	JAS	022788	PT	JAS	022788	DHM	031688	11.00	B	PV	NM	3RB0413-ND-04	B	S		R7		A1	A8
1	ND	1ND00422	III1S	3.00	0.438	S	WM1ND-10	R	FACY	LJM	001779	PT	LJM	091779	LBH	100479	JAS	022688	PT	JAS	022684	DHM	031688	11.00	B	PF	WM	3RB0413-ND-04	F	S		R7		A8	A8
1	ND	1ND00423E	III1S	0.50	0.594	S	WM1ND-10	R	FBMA	RPR	100261	PT	RPR	100261			JAS	030488	PT	JAS	030488			2.64	WO	PF	WM	3RB0413-ND-05	S	S				A1	
1	ND	1ND00423F	III1S	0.50	0.188	S	WM1ND-10	R	PAAZ	ZSR	110581	PT	ZSR	110581	JHG	110901	JAS	030488	PT	JAS	030488	DHM	031788	2.64	S	PF	WM	3RB0413-ND-05	S	S		S		A1	A1
1	ND	1ND00425 T2	III1S	3.00	0.438	B	WM1ND-10	R	FAEJ	TJA	020982	PT	TJA	020982	LBH	021182	JAS	022788	PT	JAS	022788	DHM	031788	11.00	B	PF	NM	3RB0413-ND-04	S	S		R6,R7		A1	A8
1	ND	1ND00812	III2S	2.00	0.184	S	WM1ND-11	A	FBHY	JHC	030780				LBH	031280	JAS	030488				DHM	031688	7.46	S	PF	WM	3AW0412-ND-07	S			S		A1	A1
1	ND	1ND00841 S1	III2S	0.75	0.113	S	WM1ND-11	A	FBQY	WJS	092581				LBH	092681	JAS	030888				DHM	031688	3.30	B	PF	WM	3AW0412-ND-09	S			S		A1	A1
1	ND	1ND00676 S1	III2S	2.00	0.184	S	WM1ND-12	A	FAWE	ACH	070781				LBH	070881	JAS	030888				DHM	031688	7.46	B	PF	WM	3AW0412-ND-07	S			S		A1	A1
2	ND	2ND00241A	III1S	1.00	0.258	S	WM2ND-8	R	FCIU	AHH	022582	PT	AHH	022582			JAS	030988	PT	JAS	030988			4.13	S	PF	WM	3RW0413-ND-02	S	S				A1	
1	NI	1NI00030	IIIMC	18.00	0.938	C	WM1NI-1	R	FAGA	DK	061078				LBH	061678	KJC	032688				DHM	030588	58.58	B	PF	SM	3BW0304-NI-02	S			R6	NOTE 8 (a)	A1	A8
1	NI	1NI00046	IIIMC	12.00	0.888	C	WM1NI-1	R	FACO	WR	063078				LBH	071178	KJC	032688				DHM	030588	40.06	S	PF	SM	3BW0304-NI-02	S			S	NOTE 8 (b)	A1	A1
1	NI	1NI00110	IIIMC	12.00	0.375	C	WM1NI-3	R	EAGN	LJM	072180	MT	LJN	072180			KJC	033188	MT	DEG	001792			40.06	B	PP	SM	W/HOUSE-CONAX	S		S		NOTE 9 (a)	A1	
1	NI	1NI00124	IIIMC	12.00	0.375	C	WM1NI-3	R	EAES	AWS	080880	MT	AWS	080080			KJC	033088	MT	DEG	061792			40.06	B	PP	SM	W/HOUSE-CONAX	N		S		NOTE 9 (b)	R1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
UNT	BYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	NI	1NI00177	AISC	12.06	0.813	C	WM1NI-3	R	EAAU	AWS	070780						MDD.	040188						40.06	F	PF	SM	W/HOUSE-CONAX	S				NOTE 9 (a)	A1	
1	NI	1NI00205	AISC	12.00	0.813	C	WM1NI-3	R	EAFD	WGH	073180						MDD.	040188						40.06	F	PF	BM	W/HOUSE-CONAX	S				NOTE 9 (b)	A1	
1	NK	1NK00002A	III3S	8.00	0.322	S	WM1NK-1	R	FALM	ACJ	070285	PT	ACJ	070285			JAS	031688	PT	JAS	031688			27.10	B	PP	WM	3BW0422-NK-10	S	S				A1	
1	NK	1NK00025	III2S	1.00	0.179	S	WM1NK-2	R	FGEN	TJA	062282				LBH	062482	KJC	032288				DHM	030388	4.13	B	PF	WM	3BW0422-NK-06	S			S		A3	A1
1	NL	1ILR021A-1-A01	III2S	0.38	0.065	S	1ILR-021A-	R	PAGC	ARC	102584				LBH	121284	KJC	031788				DHM	030488	1.19	A	PF	NM	5RW1975-IO-21B	S			S		A1	A1
1	NL	1ILR021A-1-A02	III2S	0.30	0.065	S	1ILR-021A-1	R	PAGC	ARC	102584				LBH	121284	KJC	031788				DHM	030488	1.19	A	PF	NM	5RW1975-IO-21B	S			S		A1	A1
1	NL	1NL00001A	III2S	1.00	0.133	B	WM1NL-1	R	FBPD	JPB	112081	PT	JPB	112081			JAS	031688	PT	JAS	031688			4.13	S	PF	NM	3BW0414-NL-05	S	S				A1	
1	NL	1NL00275C	III2S	1.00	0.133	S	WM1NL-3	R	FAYG	MOM	113083	PT	MOM	113083			KJC	031780	PT	KJC	031788			4.13	S	PV	WM	3BW0414-NL-06	S	S				A1	
1	NL	1NL06337C S1	III3S	1.00	0.250	D	WM1NL-3	R	FBCV	MPM	080184						KJC	032588						4.13	S	PV	WM	3BW0414-NL-09	S					A1	
1	NL	1NL00363 R1	III3S	2.00	0.344	S	WM1NL-3	R	FAHF	FCB	011984						KJC	031788						7.46	B	PF	WM	3BW0414-NL-09	S					A1	
1	NL	1NL00375	III3S	1.00	0.280	S	WM1NL-3	R	FBXT	DWG	120282						KJC	031788						4.13	B	FF	WM	3BW0414-NL-09	S					A1	
2	NL	2NL00005	III1S	14.00	1.406	S	WM2NL-1	R	FALW	GMJ	042981	PT	GMJ	042981	LBH	050481	JAS	031756	PT	JAS	031788	DHM	030388	43.98	B	PV	WM	3RW0414-NL-01	S	S		S		A1	A1
2	NL	2NL06191	III2S	1.00	0.133	B	WM2NL-3	R	FAPO	GMJ	102982	PT	GMJ	102982			JAS	031783	PT	JAS	031788			4.13	S	PF	NM	3BW0414-NL-05	S	B				A1	
1	NM	1NM00110T S1	III2S	0.75	0.113	S	WM1NM-6	A	FCAP	PW	121284				LBH	121384	SEV	092487				DHM	030188	3.30	S	PF	NM	3BW0484-NM-08	S			S		A1	A1
1	NM	1NM00149	III3S	4.06	0.237	S	WM1NM-0	A	FAGS	MAM	112079						RMB	092487						14.14	S	PV	WM	3BW0454-NM-08	S					A1	
1	NM	1NM06342	III2S	1.06	0.133	S	WM1NM-4	R	FAGT	AWS	012781				LBH	020981	SEV	062487				DHM	030188	4.13	B	PP	WM	3BW0454-NM-11	S			S		A1	A1
2	NM	2NM00091E S1	III2S	12.00	0.375	S	WM2NM-4	R	FBMM	BDM	112500				JNG	121280	RMB	092487				DHM	030184	40.06	B	PF	WM	3BW0454-NM-04	S			S		A1	A1
2	NM	2NM00096A	III3S	4.00	0.237	S	WM2NM-4	R	FALW	BDM	071381						RMB	092487						14.14	B	PF	WM	3BW0454-NM-09	S					A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
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REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS						
																													SURFACE			VOLUME		RESOLUTION	
UNT	BYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	NS	1ILA034A-1-C26	III2S	0.38	0.065	S	1ILA-034A-C	A	PAAZ	JRW	050185	PT	JRW	050185			KJC	092267	PT	KJC	092267			1.19	S	PF	NM	5AW1975-IO-34A	S	S				A1	
1	NS	1NS00008	III2S	4.00	0.237	S	WM1NS-1	A	FAJA	MAG	022370				LBH	090479	KJC	092187				DHM	030188	14.14	S	PF	WM	3AW0416-NS-02	S			R6		A1	A8
1	NS	1NS00012 T1	III2S	4.06	0.237	S	WM1NS-1	A	FAGW	ACH	082180				JHG	082680	KJC	092187				DHM	030183	14.14	S	PF	WM	3AW0416-NS-03	S			R17		A1	A8
1	NS	1NS00054	III2S	2.50	0.203	S	WM1NS-2	A	FANI	RLE	122677				LBH	010377	DET	092187				DHM	030183	9.03	S	PF	WM	3AW0416-NS-01	FIN			S		A8	A1
1	NS	1NS00061 R2	III2S	2.50	0.203	S	WM1NS-2	A	FABO	DJM	102779				JHG	101880	KJC	092187				DHM	030180	9.03	S	PF	WM	3AW0416-NS-01	S			R7		A1	A8
1	NS	1NS00090A	III2S	1.00	0.130	S	WM1NS-4	A	FAGW	WJSw	073081	PT	WJSw	073081			DET	092267	PT	DET	092267			4.13	S	FF	WM	3AW0416-NS-03	S	S			NOTE 6	A1	
1	NS	1NS00134	III2S	12.00	0.375	S	WM1NS-5	A	FABE	CMMc	090777				BRB	102677	DET	092187				DHM	030288	46.06	S	PF	WM	3AW0416-NS-03	S			S		A1	A1
1	NS	1NS00302	III2S	6.00	0.280	S	WM1NS-9	R	FAWT	LJM	053179				JHG	060679	AKR	031183				DHM	031783	20.81	S	PP	NM	3RW0415-NS-01	S			S		A1	A1
1	NS	1NS00352	III2S	6.06	0.280	S	WM1NS-10	R	FACO	JPB	030880				LBH	031880	AKR	031188				DHM	031788	20.81	S	PP	NM	3RW0415-NS-01	S			S		A1	A1
1	NS	1NS00378	III2S	1.00	0.133	S	WM1NS-10	R	FAAQ	JES	060179	PT	JES	030179			AKR	031188	PT	AKR	031188			4.13	S	PF	NM	3RW0415-NS-01	S	S				A1	
1	NS	1NS00409	III2S	6.00	0.280	S	WM1NS-11	R	FACO	ACH	040780				LBH	041180	AKR	031188				DHM	030584	23.81	S	PP	NM	3RW0415-NS-01	S			R3		A1	A8
1	NS	1NS00448	III2S	4.00	0.237	S	WM1NS-12	R	FACY	ACH	042880				LBH	050780	AKR	031188				DHM	031788	14.14	S	PP	NM	3RW0415-NS-01	S			S		A1	A1
1	NS	1NS00502	III2S	0.50	0.109	S	WM1NS-14	R	FSDA	AWS	100780	PT	AWS	100780			KJC	092287	PT	KJC	092287			2.64	S	PV	WM	3RW0415-NS-03	S	S				A1	
1	NS	1NS00508	III2S	6.00	0.280	S	WM1NS-15	R	FAWD	GMJ	031460				LBH	040280	AKR	031188				DHM	031788	20.81	S	PF	NM	3RW0415-NS-02	S			S		A1	A1
1	NS	1NS00579 R1	III2S	6.06	0.280	S	WM1NS-16	R	FAAQ	JES	072579				PRF	080179	AKR	031188				DHM	031788	26.81	S	PP	NM	3RW0415-NS-02	S			S		A1	A1
1	NS	1NS00621 R1	III2S	6.00	0.280	S	WM1NS-17	R	FAWD	JES	101970				LBH	102579	AKR	031188				DHM	031788	20.81	S	PP	NM	3RW0415-NS-02	S			S		A1	A1
1	NS	1NS00660	III2S	4.00	0.237	S	WM1NS-18	R	FAWD	JES	091179				LBH	091379	AKR	031188				DHM	031788	14.14	S	PP	NM	3RW0415-NS-02	S			S		A1	A1
1	NS	1NS00665	III2S	1.06	0.133	S	WM1NS-18	R	FAWD	JHC	082478	PT	JHC	082470			AKR	031188	PT	AKR	031188			4.13	S	PF	NM	3RW0415-NS-03	S	S				A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
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REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MT/PT			RT		VT		MT/PT			RT							REINSPECTIONS					RESOLUTION	
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	NS	1NS00889	III2S	2.00	0.156	S	WM1NS-13	R	FAAU	JES	081679	PT	JES	081779			AKR	031183	PT	AKR	031188			7.46	S	PF	NM	3RW0415-NS-01	S	S				A1	
2	NS	2NS00014F S1	III2S	2.50	0.203	S	WM2NS-1	A	FABO	MHD	022382				LBH	030182	DET	092387				DHM	030288	9.03	B	PF	WM	5AW0415-NS-05	S			S		A1	A1
2	NS	2NS00021	III2S	1.00	0.133	S	WM2NS-1	A	FABO	RAC	051181	PT	RAC	051181			DET	092287	PT	DET	092287			4.13	S	PF	WM	5AW0415-NS-05	S	S				A1	
2	NS	2NS00036	III2S	3.06	0.216	S	WM2NS-1	A	FABO	DJB	092260				JHG	092580	KJC	022387				DHM	030288	11.00	S	PV	WM	5AW0416-NS-08	S			S		A1	A1
2	NS	2NS00050A	III2S	3.00	0.216	S	WM2NS-1	A	FAHI	RAC	070682				LBH	082502	DET	092487				DHM	030288	11.00	B	PF	WM	3AW0416-NS-08	S			R17		A1	A8
2	NS	2NS00067 U1	III2S	8.06	0.260	S	WM2NS-2	A	FAHI	ACH	060282				LBH	060782	DET	092387				DHM	030288	20.81	B	PP	WM	3AW0416-NS-01	S			S		A1	A1
2	NS	2NS00085	III2S	6.00	0.260	S	WM2NS-2	A	FABO	JPB	001580				JHG	001880	KJC	092387				DHM	030288	20.81	S	PV	WM	5AW0416-NS-08	S			R0		A1	A8
2	NS	2NS00100	III2S	8.06	0.260	S	WM2NS-2	A	FABO	ACH	091580				JHG	091080	KJC	092387				DHM	030288	20.81	B	PV	WM	3AW0416-NS-08	S			R6		A1	A8
2	NS	2NS00120	III2S	4.00	0.237	S	WM2NS-2	A	FABO	MHD	030582				WEL	031402	KJC	092287				DHM	030288	14.14	S	PP	WM	3AW0416-NS-02	S			S		A1	A1
2	NS	2NS00157	III2S	2.06	0.154	S	WM2NS-4	A	FACW	AV	011203	PT	AV	011263			KJC	092287	PT	KJC	092287			7.46	S	PF	WM	3AW0415-NS-02	F	B				A8	
2	NS	2NS00187 R1	III2S	12.00	0.375	S	WM2NS-3	A	FAGW	AV	081282				LBH	081382	DET	092187				DHM	030388	46.06	B	PP	SM	3AW0416-NS-02	V			S		A7	A1
2	NS	2NS00178 R2	III2S	12.00	0.375	S	WM2NS-0	A	FBMY	WJSw	123080				JHG	120980	KJC	092187				DHM	030288	40.06	B	PF	WM	3AW0416-NS-03	S			R17		A1	A8
2	NS	2NS00217	III2S	1.00	0.133	S	WM2NS-4	A	FBEL	AV	022282	PT	AV	022282			DET	092287	PT	DET	092287			4.13	S	PF	WM	3AW0416-NS-06	S	S				A1	
2	NS	2NS00225	III2S	8.00	0.322	S	WM2NS-4	A	FAHI	AV	051202				LBH	052582	KJC	092187				DHM	030388	27.10	S	PP	SM	3AW0416-NS-06	V			R17		A7	A8
1	NV	1ILA052-1-D13	III2S	0.88	0.065	S	1ILA-052-1	A	PACL	RGB	100185	PT	RGB	100185			RFH	092487	PT	JAS	092387			1.19	S	PF	WM	5AW0925-NV-52	S	I				A3	
1	NV	1ILA052-1-D14	III2S	0.38	0.065	S	1ILA-052-1	A	PADV	JHH	062585	PT	JHH	062585			RFH	092487	PT	JAS	092387			1.19	S	PF	WM	5AW0925-NV-52	S	I				A4	
1	NV	1ILA054-1-J01F	III2S	0.88	0.065	S	1ILA-054-1	A	PACL	WJSw	093085	PT	WJSw	093085			RFH	092487	PT	JAS	092487			1.19	S	PF	NM	5AW0925-NV-04	L	S				A8	
1	NV	1ILA054-2-DO1	III2S	0.38	0.065	S	1ILA-054-2	A	PADI	RPR	110201				JHG	111281	RFH	001487				DHM	101787	1.19	A	PP	NM	5AW0925-NV-54	S			S		A1	A1

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WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS										
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	NV	1ILA054-2-DO1C	III2S	0.38	0.065	S	1ILA-054-2	A	PACL	RGB	092785	PT	RGB	092785			RFH	091387	PT	JAS	001387			1.19	S	PF	WM	5AW0925-NV-54	S	S				A1	
1	NV	1ILA054-2-F01	III2S	0.38	0.065	S	1ILA-054-2	A	PADI	RPR	110281				JHG	111081	RFH	001487				DHM	101787	1.19	A	PP	NM	5AW0925-NV-54	S			S		A1	A1
1	NV	1ILA056-1-A13A	III2S	0.38	0.065	S	1ILA-056-1	A	PADI	NAA	093082				LBH	100582	RFH	092387				DHM	030288	1.19	A	PF	NM	5AW0925-NV-54	S			S		A1	A8
1	NV	1ILA056-2-D32B	III2S	0.38	0.065	S	1ILA-056-2	A	PAAZ	SMM	050685	PT	CLH	050685			RFH	091387	PT	JAS	091387			1.19	S	PF	WM	5AW0925-NV-64	S	S				A1	
1	NV	1NV00037	III3S	2.50	0.208	S	WM1NV-1	A	FAKG	MRP	030279						JAS	032188						9.03	B	FV	WM	3BW0419-NV-08	S					A1	
1	NV	1NV00192 T1	III2S	2.50	0.283	S	WM1NV-3	A	FAVX	MRP	061579				JHG	052679	RFH	091207				DHM	092387	9.03	B	PP	WM	3RW0419-NV-08	S			R7		A1	A8
1	NV	1NV00198 V3	III2S	2.50	0.208	B	WM1NV-3	A	FAGV	MAG	011381				LBH	021181	RFH	092287				DHM	030288	9.03	B	PF	WM	3RW0419-NV-08	S			R7		A1	A8
1	NV	1NV00203B	III2S	1.00	0.133	S	WM1NV-3	A	FAGV	RLE	052179				JHG	060479	RFH	091287				DHM	092387	4.13	B	PF	WM	3BW0419-NV-07	S			R17		A1	A8
1	NV	1NV00205 S1	III2S	2.50	0.375	S	WM1NV-4	A	FAKG	RSG	031979				LBH	013180	RFH	091187				DHM	092287	9.03	B	PF	WM	3BW0419-NV-04	S			R6,R7		A1	A8
1	NV	1NV00208J	III2S	1.00	0.179	S	WM1NV-4-1	A	FAFW	JFH	111970				LBH	112079	RFH	091287				DHM	092687	4.13	B	PF	WM	3BW0419-NV-08	S			S		A1	A1
1	NV	1NV00378A	III2S	1.06	0.179	S	WM1NV-4-1	A	FAWT	DM	010980				LBH	012380	RFH	091287				DHM	092387	4.13	B	FF	WM	3RW0419-NV-05	S			S		A1	A1
1	NV	1NV00418 T1	III1S	2.50	0.276	S	WM1NV-5	R	FAFV	MDS	092681	PT	CKT	092381	LBH	100581	RFH	091387	PT	JAS	091387	DHM	092387	9.03	B	PV	WM	3BW0419-NV-07	B	S		R6,R7		A1	A8
1	NV	1NV00437 S1	III1S	2.50	0.276	S	WM1NV-6	R	FAPF	WGH	061280	PT	WOH	061280	JHG	073180	RFH	091387	PT	JAS	091387	DHM	092487	9.03	B	PV	WM	3BW0419-NV-07	S	QY		R3		A2	A8
1	NV	1NV00438 T1	III1S	2.50	0.276	S	WM1NV-5	R	FAFD	ZSR	110981	PT	ZSR	110901	JHG	111081	RFH	091387	PT	JAS	091387	DHM	092487	9.03	B	PF	WM	3BW0419-NV-07	S	B		R3,R7		A1	A8
1	NV	1NV00459C	III2S	NA	0.126	S	WM1NV-6	A	FBHY	ACH	061783						RFH	091287						6.00	F	AP	WM	3RW0419-NV-08	S				NOTE 3	A1	
1	NV	1NV00497A	III2S	NA	0.125	S	WM1NV-6	A	FAFW	MHD	112581	PT	MHD	113081			RFH	091287	PT	RFH	091287			0.00	F	AP	WM	3BW0419-NV-04	S	S			NOTE 3	A1	
1	NV	1NV00692B	III2S	0.50	0.188	S	WM1NV-7	R	FAFD	TJA	012582	PT	TJA	012582			RFH	091387	PT	JAS	091387			2.84	S	PV	WM	3BW0419-NV-06	S	B				A1	
1	NV	1NV00726	III2S	2.50	0.270	S	WM1NV-6	R	FBCC	LJM	012380	PT	LJM	012300	LBH	030780	RFH	091787	PT	JAS	001787	DHM	092487	9.03	B	PV	WM	3BW0419-NV-20	B	S		R3,R7		A1	A8

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WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS						
UNT	BYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	NV	1NV00727	III2S	2.50	0.276	S	WM1NV-5	R	FBIS	GMJ	032683	PT	GMJ	032680	LBH	041080	RFH	061787	PT	JAS	091787	DHM	092487	9.03	B	PV	WM	3RW0419-NV-29	S	Y		R6,R7		A3	A8
1	NV	1NV00727B	III1S	2.50	0.276	S	WM1NV-0	R	FAYG	CKT	121782	PT	CKT	121782	WEL	121852	RFH	091587	PT	JAS	001887	DHM	092487	9.03	B	PV	WM	3BW0419-NV-29	B	S		R6		A1	A8
1	NV	1NV00726	III2S	2.50	0.276	S	WM1NV-5	R	FBIS	GMJ	032680	PT	GMJ	032680	LBH	041480	RFH	091837	PT	JAS	091887	DHM	092487	9.03	S	FF	WM	3BW0419-NV-29	K	K		B		A4	A1
1	NV	1NV00734 S1	III1S	0.50	0.188	S	WM1NV-6	R	FBTS	VDM	061381	PT	VDM	061381	LBH	102781	RFH	091587	PT	JAS	091587	DHM	092487	2.84	B	PF	WM	3BW0419-NV-28	S	S		S		A1	A1
1	NV	1NV00736	III2S	0.50	0.188	S	WM1NV-5	R	FBTS	JHC	032681				RWK	043081	RFH	091507				DHM	092487	2.84	B	PF	WM	3BW0419-NV-28	S			S		A1	A1
1	NV	1NV00737	III1S	2.50	0.276	S	WM1NV-6	R	FAPC	JHL	012279	PT	JHL	022179	JHG	010470	RFH	091887	PT	JAS	001587	DHM	092487	9.03	B	PF	WM	3BW0419-NV-24	S	S		R7		A1	A8
1	NV	1NV00752	III1S	2.50	0.276	S	WM1NV-5	R	FBBW	LJM	082680	PT	LJM	082680	JHG	100580	RFH	092187	PT	JAS	092187	DHM	030268	9.03	B	PF	WM	3BW0419-NV-27	S	S		S		A1	A1
1	NV	1NV00753	III1S	2.50	0.276	S	WM1NV-6	R	FBBW	JPB	081580	PT	JPB	081580	JHG	100580	RFH	092187	PT	JAS	032187	DHM	030268	9.03	B	PV	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV00772A S1	III1S	2.50	0.276	S	WM1NV-9	R	FBHG	RMN	091981	PT	CKT	091981	LBH	100581						DHM	030588	9.03	S	PF		3RW0419-NV-21				S	NOTE 10		A1
1	NV	1NV00772D	III1S	0.50	0.584	S	WM1NV-6	R	FANQ	TJA	031182	PT	TJA	031182			RFH	091887	PT	JAS	091887			2.84	WO	PF	WM	3BW0419-NV-21	S	S				A1	
1	NV	1NV00774 T1	III1S	2.50	0.279	S	WM1NV-0	R	FBMS	RWP	101502	PT	RWP	101582	WEL	101082	RFH	091837	PT	JAS	091887	DHM	092487	9.03	B	PP	WM	3BW0419-NV-21	S	S		R3		A1	A8
1	NV	1NV00779	III1S	2.50	0.276	S	WM1NV-9	R	FAYG	JPB	091831	PT	CKT	091881	LBH	102681	RFH	091087	PT	JAS	091887	DHM	092487	9.03	B	PP	WM	3BW0419-NV-21	S	S		R3,R7		A1	A8
1	NV	1NV00780G	III1S	2.50	0.276	S	WM1NV-9	R	FANQ	DWG	101182	PT	DWG	101182	LBH	101932	RFH	091887	PT	JAS	091887	DHM	092487	9.03	B	PV	WM	3BW0419-NV-21	S	S		S		A1	A1
1	NV	1NV00781 S1	III1S	2.50	0.276	S	WM1NV-9	R	FBHG	AWS	102080	PT	AWS	102080	LBH	032681	RFH	092387	PT	JAS	092087	DHM	030268	9.03	B	PP	WM	3BW0419-NV-21	S	S		S		A1	A1
1	NV	1NV00792 R1	III1S	2.50	0.276	S	WM1NV-10	R	FBHG	JPB	101581	PT	JPB	101581	LBH	102981	RFH	091787	PT	RFH	091787	DHM	092487	9.03	B	PP	WM	3BW0419-NV-29	S	S		R6,R7		A1	A8
1	NV	1NV00734	III1S	2.50	0.276	S	WM1NV-10	R	FBIS	GMJ	022180	PT	GMJ	022188	LBH	030580	RFH	091787	PT	JAS	091707	DHM	092487	9.03	B	PV	WM	3BW0419-NV-29	S	S		R7		A1	A8
1	NV	1NV00805A	III1S	2.50	0.276	S	WM1NV-10	R	FAYG	CKT	122082	PT	CKT	122082	WEL	122682	RFH	092267	PT	JAS	092267	DHM	030268	9.03	B	PV	WM	3BW0419-NV-29	S	S		R17		A1	A8
1	NV	1NV00805B	III1S	2.50	0.276	S	WM1NV-10	R	FAYG	DRS	121832	PT	DRS	121832	WEL	121982	RFH	092267	PT	JAS	092267	DHM	030268	9.03	B	PV	WM	3BW0419-NV-29	S	S		R6		A1	A8

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS						
																													SURFACE			VOLUME		RESOLUTION	
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	NV	1NV00813	III1S	2.50	0.276	S	WM1NV-10	R	FBMK	RAC	041480	PT	RAC	041480	LBH	092480	RFH	091587	PT	JAS	091587	DHM	092487	9.03	B	FF	WM	3BW0419-NV-28	S	QY		S		A2	A1
1	NV	1NV00814	III1S	2.50	0.276	S	WM1NV-10	R	FBMK	GMJ	041180	PT	GMJ	041180	LBH	062480	RFH	001887	PT	JAS	091587	DHM	092487	9.03	B	PP	WM	3BW0419-NV-21	S	S		S		A1	A1
1	NV	1NV00816	III1S	2.50	0.276	S	WM1NV-10	R	FABL	GMJ	081370	PT	GMJ	081379	LBH	101279	RFH	092287	PT	JAS	092287	DHM	030388	9.03	B	FV	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV00816C	III1S	0.50	0.188	S	WM1NV-10	R	FATE	DRS	121882	PT	DRS	121882	WEL	121982	RFH	092287	PT	JAS	092287	DHM	030288	2.84	B	FF	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV00823 S1	III1S	2.50	0.276	S	WM1NV-11	R	FBIS	GMJ	032640	PT	GMJ	032680	LBH	041580	RFH	092387	PT	JAS	092387	DHM	030288	9.03	B	PF	WM	3BW0419-NV-29	S	Y		R7		A4	A5
1	NV	1NV00824 S1	III1S	2.50	0.276	S	WM1NV-11	R	FBIS	LJM	040380	PT	LJM	040380	LBH	041580	RFH	091987	PT	JAS	091987	DHM	092487	9.03	S	PP	WM	3BW0419-NV-21	S	S		R6,R7		A1	A3
1	NV	1NV00827	III1S	2.50	0.276	S	WM1NV-11	R	FBJJ	GMJ	021380	PT	GMJ	021380	LBH	041580	RFH	091837	PT	JAS	091887	DHM	092087	9.03	B	PF	WM	3BW0419-NV-21	S	S		R5,R6,R7		A1	A5
1	NV	1NV00833C	III1S	2.50	0.276	S	WM1NV-11	R	FBSR	VDM	051881	PT	VDM	051881	LBH	072381	RFH	091987	PT	JAS	091887	DHM	092387	0.03	S	PF	WM	3RW0419-NV-21	S	S		R6,R7		A1	A5
1	NV	1NV00833D S1	III1S	2.50	0.276	S	WM1NV-11	R	FBMS	JPB	030482	PT	JPB	030482	LBH	092282	RFH	091987	PT	JAS	091887	DHM	101087	9.03	B	FF	WM	3BW0419-NV-21	S	S		R6		A1	A5
1	NV	1NV00850B	III1S	2.50	0.276	S	WM1NV-12	R	FANQ	JRW	021485	PT	JRW	021405	WEL	092085	RFH	091587	PT	JAS	091587	DHM	092087	9.03	S	PP	WM	3BW0419-NV-20	S	S		S		A1	A1
1	NV	1NV00863 U2	III1S	2.50	0.276	S	WM1NV-12	R	FBFU	CKT	121781	PT	CKT	121781	LBH	121981	RFH	091587	PT	JAS	001587	DHM	101887	9.03	S	PF	WM	3BW0419-NV-21	S	Y		S		A2	A1
1	NV	1NV00395B	III1S	0.75	0.219	S	WM1NV-12	R	FAEJ	JPB	030682	PT	JPB	030682			RFH	091587	PT	JAS	001887			3.30	S	FF	WM	3BW0419-NV-25	S	S				A1	
1	NV	1NV00896A S1	III1S	NA	6.125	S	WM1NV-12	R	FALK	OGP	090584						RFH	091487						6.00	F	AP	WM	3BW0419-NV-25	S				NOTE 3	A1	
1	NV	1NV00899 R2	III1S	2.50	0.276	S	WM1NV-12	R	FASB	WR	062678	PT	GMJ	020579	LBH	070578	RFH	091487	PT	JAS	091407	DHM	092387	9.03	B	PF	WM	3BW0419-NV-25	S	S		S		A1	A1
1	NV	1NV00906	III2S	3.00	0.216	S	WM1NV-13	A	FASP	DWC	081278				LBH	081978	RFH	091087				DHM	092387	11.00	B	PF	WM	3BW0419-NV-13	S			S		A1	A1
1	NV	1NV00969	III2S	3.00	0.216	B	WM1NV-13	A	FAPM	LAL	041779				LBH	043079	RFH	091187				DHM	030288	11.00	B	FV	WM	3BW0419-NV-13	M			S		A5	A5
1	NV	1NV01060B	III2S	0.50	0.109	S	WM1NV-13	A	PACH	MAG	110430				JNG	110780	RFH	091087				DHM	101587	2.84	B	PF	WM	3BW0419-NV-13	S			S		A1	A1
1	NV	1NV01001 S1	III2S	3.00	0.210	S	WM1NV-13	A	FAFW	MRP	082370				LBH	090679	RFH	091087				DHM	092387	11.09	B	PV	WM	3BW0419-NV-13	F			R3		A5	A3

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS					RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	NV	1NV01002	III2S	3.00	0.216	S	WM1NV-13	A	FAEZ	RLE	010679	PT	RLE	010670	JHG	052279	RFH	091087	PT	JAS	091087	DHM	092387	11.06	B	PV	WM	3BW0419-NV-13	S	S		S		A1	A1
1	NV	1NV01302	III2S	3.00	0.210	S	WM1NV-15	A	FAPM	REG	031080				LBH	032180	RFH	001187				DHM	092687	11.00	B	PF	WM	3RW0419-NV-14	S			S		A1	A1
1	NV	1NV01308	III2S	3.00	0.218	S	WM1NV-15	A	FAPM	REG	031080				LBH	032180	RFH	091187				DHM	092387	11.06	B	PF	WM	3BW0419-NV-11	S			S		A1	A1
1	NV	1NV01327	III2S	3.06	0.210	S	WM1NV-15	A	FAPM	MAG	030680				LBH	031980	RFH	091187				DHM	092387	11.00	B	FF	WM	3BW0419-NV-11	M			S		A8	A1
1	NV	1NV01329	III2S	3.00	0.210	S	WM1NV-15	A	FAPM	PRF	102679				LBH	111970	RFH	091187				DHM	092387	11.00	B	FF	WM	3RW0419-NV-11	S			S		A1	A1
1	NV	1NV01331	III2S	0.50	0.109	S	WM1NV-15	A	PAAQ	DJB	060681				LBH	061081	RFH	061187				DHM	092687	2.64	B	PF	WM	3BW0419-NV-11	S			R6		A1	A8
1	NV	1NV01462A	III2S	0.50	0.109	S	WM1NV-19	A	FAKG	RLS	082380				LBH	090480	RFH	091187				DHM	101687	2.64	B	PF	WM	3BW0419-NV-13	S			S		A1	A1
1	NV	1NV01526 S1	III2S	3.00	0.216	S	WM1NV-19	A	FAPM	MKT	072570				JHG	081179	RFH	061187				DHM	092687	11.06	B	PV	WM	3RW0419-NV-13	S			B		A1	A1
1	NV	1NV01526	III2S	3.00	0.218	S	WM1NV-19	A	FAPM	DWC	011370				JHG	012279	RFH	091187				DHM	092587	11.06	B	PF	WM	3BW0419-NV-13	S			R5		A1	A8
1	NV	1NV01531	III2S	0.50	0.109	S	WM1NV-19	A	FAPM	MAG	121980	PT	MAQ	121980			RFH	091187	PT	JAS	001187			2.84	S	PV	WM	3BW0419-NV-13	S	S				A1	
1	NV	1NV01545	III2S	0.50	0.188	S	WM1NV-22	R	FCKE	JPB	122381				WEL	010582	RFH	091387				DHM	101687	2.84	WO	PF	WM	3RW0419-NV-06	S			S		A1	A1
1	NV	1NV01802 S1	III2S	1.50	0.200	S	WM1NV-22	A	FAFW	PW	032184	PT	PW	062184			RFH	091287	PT	JAS	091207			5.97	S	PF	WM	3BW0419-NV-08	S	S				A1	
1	NV	1NV01869	III2S	1.00	0.178	S	WM1NV-22	A	FAGV	DWC	110570	PT	DWC	110579			RFH	091287	PT	JAS	091887			4.13	S	PV	WM	3RW0419-NV-08	S	Y				A2	
1	NV	1NV01732	III2S	2.50	0.276	S	WM1NV-29	R	FAKP	MDS	111731				LBH	129581	RFH	092087				DHM	030288	9.03	B	PP	WM	3BW0419-NV-29	S			R6		A1	A8
1	NV	1NV01747	III1S	2.50	0.276	S	WM1NV-23	R	FARP	LJM	111479	PT	LJM	111479	LBH	112970	RFH	091407	PT	JAS	091467	DHM	092587	9.03	B	PV	WM	3BW0419-NV-25	S	Y		S		A8	A1
1	NV	1NV01747A	III1S	0.50	0.188	S	WM1NV-23	R	FAEJ	JPB	121481	PT	JPB	121431	WEL	121581	RFH	091487	PT	JAS	091407	DHM	101787	2.84	B	PF	WM	3RW0419-NV-25	S	S		S		A1	A1
1	NV	1NV01748	III1S	2.50	0.276	S	WM1NV-23	R	FARP	WMN	111979	PT	WMN	111979	LBH	112979	JAS	032288	PT	JAS	032288	DHM	041188	9.03	S	PF	WM	3BW0419-NV-29	S	S		S		A1	A1
1	NV	1NV01749 T1	III1S	3.00	0.438	S	WM1NV-23	R	FBHG	MPM	122784	PT	MPM	122784	LBH	123084	RFH	091487	PT	JAS	001487	DHM	092387	11.00	S	FF	WM	3BW0419-NV-25	S	S		S		A1	A1

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT													
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	REINSPECTIONS SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	NV	1NV01751 S2	III1S	2.50	0.276	S	WM1NV-23	R	FAEJ	JAH	112881	PT	JAH	112381	WEL	120481	RFH	091487	PT	JAS	091487	DHM	092587	9.03	S	PV	WM	3BW0419-NV-25	S	S		S		A1	A1
1	NV	1NV01751A T1	III1S	2.50	0.276	S	WM1NV-23	R	FANQ	RLC	121764	PT	RLC	121784	LBH	122784	RFH	091487	PT	JAS	091487	DHM	031888	9.03	B	PF	WM	3BW0419-NV-25	S	S		R6,R7		A1	A3
1	NV	1NV01751C	III1S	0.50	0.188	S	WM1NV-23	R	FAEJ	JAH	121881	PT	JAH	121981	LBH	121781	RFH	091487	PT	JAS	091487	DHM	101787	2.64	B	PF	WM	3BW0419-NV-25	S	S		S		A1	A1
1	NV	1NV01752	III2S	2.50	0.276	S	WM1NV-23	R	FARP	GMJ	090479				LBH	111979	RFH	091487				DHM	092887	9.03	B	FV	WM	3RW0419-NV-25	K			S		A3	A1
1	NV	1NV01888F	III2S	2.06	0.184	S	WM1NV-26	A	FAUT	MKT	071170				PRF	071879	RFH	091087				DHM	062587	7.40	S	PF	WM	3BW0419-NV-17	S			R6,R7,R8		A1	A8
1	NV	1NV02047 S1	III3S	3.06	0.216	S	WM1NV-24	A	FAPM	DH	040681						RFH	001087						11.06	B	PF	WM	3BW0419-NV-17	S					A1	
1	NV	1NV02120	III2S	3.00	0.216	S	WM1NV-24	A	FAUT	DJB	121279				LBH	020880	RFH	091067				DHM	092587	11.00	B	PF	WM	3RW0419-NV-17	S			B		A1	A1
1	NV	1NV02258G	III2S	0.50	0.109	S	WM1NV-24	A	FSRC	DM	010781	PT	DM	010781			RFH	091087	PT	JAS	091087			2.64	S	PV	WM	3BW0419-NV-16	S	S				A1	
1	NV	1NV02308	III2S	3.00	0.216	S	WM1NV-24	A	FAFW	MKT	082470				LBH	091070	RFH	091087	PT	JAS	091087	DHM	092587	11.00	B	PF	WM	3BW0419-NV-17	S	S		B	NOTE:14	A1	A1
1	NV	1NV02384	III1S	1.50	0.200	S	WM1NV-26	R	FBVH	RMN	101081	PT	RMN	101681			RFH	091587	PT	JAS	091887			5.97	S	PV	WM	3BW0419-NV-24	S	S				A1	
1	NV	1NV02358A	III1S	1.50	0.208	S	WM1NV-26	R	FCKC	JPB	032982	PT	JPB	032982	WEL	040482	RFH	091587	PT	JAS	091587	DHM	101787	5.97	B	PP	WM	3RW0419-NV-27	S	S		S		A1	A1
1	NV	1NV02360	III1S	0.50	0.188	S	WM1NV-26	R	FCKC	TJA	033182	PT	TJA	033182	WEL	040382	RFH	091687	PT	JAS	091887	DHM	101787	2.64	S	PF	WM	3BW0419-NV-27	S	S		S		A1	A1
1	NV	1NV02372A S1	III1S	1.50	0.280	S	WM1NV-20	R	FCKC	JPB	032982	PT	JPB	032982	WEL	040382	RFH	091687	PT	JAS	091087	DHM	101787	5.97	S	PP	WM	3BW0419-NV-27	S	S		R17		A1	A8
1	NV	1NV02377	III1S	1.50	0.208	S	WM1NV-26	R	FAKP	JAH	112381	PT	JAH	112581	LBH	113081	RFH	091887	PT	JAS	091687			5.97	B	PF	WM	3BW0419-NV-27	B	S			NOTE:13	A1	
1	NV	1NV02378 S1	III1S	1.50	0.200	S	WM1NV-26	R	FATE	DWG	031783	PT	DWG	031783	LBH	032983	RFH	001687	PT	JAS	091687	DHM	101787	5.97	B	PF	WM	3BW0419-NV-27	B	S		S		A1	A1
1	NV	1NV02381 S1	III1S	1.50	0.200	S	WM1NV-26	R	FATE	DWG	031483	PT	DWG	031483			RFH	091087	PT	JAS	091687			5.97	S	PV	WM	3BW0419-NV-27	S	S				A1	
1	NV	1NV02302 S1	III1S	1.50	0.200	S	WM1NV-20	R	FATE	DWG	031883	PT	DWG	031883			RFH	091887	PT	JAS	091687			5.97	S	PV	WM	3RW0419-NV-27	S	S				A1	
1	NV	1NV02305	III1S	1.50	0.200	S	WM1NV-26	R	FATE	CKT	021483	PT	CKT	021483	LBH	022103	RFH	091687	PT	JAS	091887	DHM	101787	5.97	B	PF	WM	3RW0419-NV-24	S	S		S		A1	A1

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
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REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT									REINSPECTIONS					
UNT	BYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP#	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FEHP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE RT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	NV	1NV02386	III1S	1.50	0.200	S	WM1NV-25	R	FATE	CKT	021483	PT	CKT	021480	LBH	030268	RFH	061087	PT	JAS	091087	DHM	101787	5.97	S	PF	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV02396A	III1S	1.50	0.208	S	WM1NV-26	R	FATE	CKT	021483	PT	CKT	021483	LBH	022163	RFH	091887	PT	JAS	091787	DHM	101787	5.97	S	PF	WM	3BW0419-NV-26	S	S		S		A1	A1
1	NV	1NV02406 T1	III1S	1.00	0.133	S	WM1NV-29	R	FBAO	RDW	073184	PT	RDW	073184	LBH	080984	RFH	091787	PT	JAS	091787	DHM	101787	4.13	S	PF	WM	3BW0419-NV-28	S	S		R17		A1	A2
1	NV	1NV02415A	III1S	1.50	0.200	S	WM1NV-26	R	FATE	CKT	021883	PT	CKT	021883	LBH	022183	RFH	091987	PT	JAS	091937	DHM	101787	5.97	S	PF	WM	3BW0419-NV-20	S	S		S		A1	A1
1	NV	1NV02418 S1	III1S	1.50	0.208	S	WM1NV-26	R	FBHG	JPB	021182	PT	JPB	021182			RFH	091987	PT	JAS	091987			5.97	S	PV	WM	3RW0419-NV-27	S	S				A1	
1	NV	1NV02429	III1S	1.50	0.200	S	WM1NV-26	R	FBHG	JPB	021182	PT	JPB	021182			RFH	092087	PT	JAS	092087			5.97	S	PV	WM	3BW0419-NV-20	S	S				A1	
1	NV	1NV02430	III1S	1.50	0.200	S	WM1NV-26	R	FBHG	CKT	010882	PT	CKT	012182	LBH	012682	RFH	092087	PT	JAS	092087	DHM	030388	5.97	S	PF	WM	3BW0419-NV-20	S	S		S		A1	A1
1	NV	1NV02431	III1S	1.50	0.200	S	WM1NV-26	R	FBHG	JPB	021182	PT	JPB	021182	LBH	021262	RFH	092087	PT	JAS	092387	DHM	030388	5.97	S	PF	WM	3BW0419-NV-23	S	S		S		A1	A1
1	NV	1NV02439	III1S	1.50	0.200	S	WM1NV-26	R	FBAO	TJA	022682	PT	TJA	022682			RFH	091987	PT	JAS	091087			5.97	S	PV	WM	3BW0419-NV-27	S	S				A1	
1	NV	1NV02510	III3S	1.00	0.133	S	WM1NV-26	R	FAKP	JEB	020682						RFH	091987						4.13	S	PF	WM	3BW0419-NV-23	S					A1	
1	NV	1NV02568	III3S	1.00	0.133	S	WM1NV-27	R	FADF	EWI	040601						RFH	091987						4.13	S	PV	WM	3BW0419-NV-20	S					A1	
1	NV	1NV02700B	III2S	1.50	0.200	S	WM1NV-29	R	FBMS	RWP	060482						RFH	091787						5.97	S	PV	WM	3BW0419-NV-20	S					A1	
1	NV	1NV02742	III1S	0.80	0.584	S	WM1NV-20	R	FBHG	CKT	120981	PT	CKT	120981			RFH	092287	PT	JAS	092287			2.64	WO	PF	WM	3BW0419-NV-24	S	S				A1	
1	NV	1NV02743	III1S	0.50	0.156	S	WM1NV-29	R	FAFV	JAH	121081	PT	CKT	121181	WEL	121581	RFH	092287	PT	JAS	022287	DHM	030388	2.64	S	PF	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV02747	III1S	1.50	0.200	S	WM1NV-26	R	FBFU	JPB	103181	PT	JPB	103181			RFH	092287	PT	JAS	092287			5.97	S	PV	WM	3BW0419-NV-24	S	S				A1	
1	NV	1NV02749A T1	III1S	1.50	0.200	S	WM1NV-29	R	FANQ	MOM	110684	PT	MOM	110684	LBH	111484	RFH	092187	PT	JAS	092187	DHM	030388	5.97	S	PP	WM	3BW0419-NV-24	S	S		S		A1	A1
1	NV	1NV02751	III1S	1.50	0.200	S	WM1NV-20	R	FBBQ	JAH	120381	PT	JAH	120981	WEL	120481	RFH	092187	PT	JAS	092187	DHM	030388	5.97	S	PF	WM	3BW0419-NV-25	S	S		S		A1	A1
1	NV	1NV02753	III1S	1.50	0.200	S	WM1NV-20	R	FATE	MUM	012683	PT	MOM	012683	LBH	020263	RFH	092287	PT	JAS	092287	DHM	030388	5.97	S	PF	WM	3BW0419-NV-26	S	S		S		A1	A1

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WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT								REINSPECTIONS					RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SUREACE	VOLUME
1	NV	1NV02773	III1S	1.50	0.200	S	WM1NV-29	R	FBMS	JPB	121481	PT	JPB	121481			RFH	092187	PT	JAS	092187			5.97	S	PV	WM	3BW0419-NV-23	S	S				A1	
1	NV	1NV02774	III1S	0.50	0.594	S	WM1NV-29	R	FBMS	JAH	121681	PT	JAH	121681			RFH	092187	PT	JAS	092187			2.64	WO	PF	WM	3BW0419-NV-23	S	S				A1	
1	NV	1NV02775	III1S	0.50	0.168	S	WM1NV-29	R	FAEJ	CKT	121781	PT	CKT	121781	LBH	121781	RFH	092187	PT	JAS	092187	DHM	030388	2.64	S	PF	WM	3BW0419-NV-23	S	S		S		A1	A1
1	NV	1NV02780 T1	III1S	1.50	0.200	S	WM1NV-29	R	FAFV	RWP	071382	PT	RWP	071382			RFH	092187	PT	JAS	092187			5.97	S	PV	WM	3BW0419-NV-23	S	S				A1	
1	NV	1NV02781	III1S	1.50	0.200	S	WM1NV-29	R	FAKP	TJA	012682	PT	TJA	012682	WEL	021282	RFH	092087	PT	JAS	092087	DHM	030388	5.97	S	PP	WM	3BW0419-NV-23	S	S		S		A1	A1
1	NV	1NV02782	III1S	0.50	0.594	S	WM1NV-29	R	FAKP	JAH	122981	PT	JAH	122981			RFH	092087	PT	JAS	092087			2.64	WO	PF	WM	3BW0419-NV-23	S	S				A1	
1	NV	1NV02793 R1	III1S	1.50	0.200	S	WM1NV-29	R	FBHG	CKT	031282	PT	CKT	031282	WEL	032182	RFH	091987	PT	JAS	091987	DHM	101787	5.97	S	PF	WM	3BW0419-NV-23	S	S		S		A1	A1
1	NV	1NV02868	III2S	1.50	0.145	S	WM1NV-7	A	FAGV	JHH	082482				WEL	083182	RFH	091387				DHM	101787	5.97	S	PF	WM	3BW0419-NV-04	S			S		A1	A1
2	NV	2NV00859	III1S	2.50	0.276	S	WM2NV-9	R	FALW	AHH	121981	PT	AHH	121981	WEL	011982	RFH	092487	PT	JAS	092487	DHM	030388	9.03	S	PP	WM	3BW0419-NV-26	S	S		R7		A1	A8
2	NV	2NV01456	III3S	3.00	0.216	S	WM2NV-16	A	FBPV	MRP	061882						RFH	092387						11.00	S	PF	WM	3BW0419-NV-17	S					A1	
1	RG	1RG00169	III3S	0.38	0.065	S	WM1RG-3	D	PADI	NAA	082482						RMB	092187						1.19	A	PF	NM	3DW0596-00-11	S					A1	
1	RG	1RG00170	III3S	0.50	0.109	D	WM1RG-3	D	PABR	RSG	082782						JAS	031788						2.64	S	PF	WM	3DW0596-00-11	S					A1	
2	RG	2RG00048	III3S	3.00	0.300	C	WM2RG-1	D	FAVZ	AV	030681						RMB	092187						11.00	S	PF	SM	3DW0596-00-08	S					A1	
2	RG	2RG00062	III3S	1.50	0.200	C	WM2RG-1	D	FBLJ	BSS	161480						SEV	092187						5.97	S	PF	SM	3DW0596-00-07	S					A1	
2	RG	2RG00087	III3S	1.50	0.200	C	WM2RG-1	D	FBLJ	BDM	100280						RMS	092187						5.97	S	PF	SM	3DW0596-00-00	S					A1	
2	RG	2RG00094	III3S	3.00	0.300	C	WM2RG-1	D	FBDN	GDL	022382						RMS	092187						11.06	S	PF	SM	3DW0596-00-11	S					A1	
1	RJ	1ILA003B-1-F20 S1	III3S	0.38	0.065	S	1ILA-003B-1	A	PADI	MHD	102682						SEV	092187						1.19	A	PF	NM	5GW0955-RJ-01	S					A1	
1	RJ	1ILA004-1-A24	III3S	0.38	0.065	S	1ILA-004-1	A	PAFO	NAA	051783						SEV	092187						1.19	A	PF	NM	5GW0955-RJ-03	S					A1	

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WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
																													SURFACE			VOLUME			
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELBER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	RJ	1RJ00037	III3S	2.00	0.154	C	WM1RJ-1	A	PAAZ	MAG	021979						KJC	032566						7.46	B	PF	SM	5AW0911-IO-19	S					A1	
1	RJ	1RJ00122D	III3S	1.00	0.133	C	WM1RJ-2	A	PACL	FCB	091884						SEV	091887						4.13	B	PF	SM	5AW0911-IO-13	S					A1	
1	RJ	1RJ00197C	III3S	1.00	0.133	C	WM1RJ-2	A	PAAY	ACH	022581						JAS	032566						4.13	B	PF	SM	5AW0911-IO-51	S					A1	
1	RJ	1RJ00547	III3S	3.00	0.216	C	WM1RJ-4	A	PAAV	RSG	032779						JAS	032566						11.09	B	PF	SM	5AW0911-IO-16	S					A1	
1	RJ	1RJ00955	III3S	1.00	0.133	C	WM1RJ-7	R	PACK	CKT	120662						KJC	032966						4.13	S	PF	SM	5RW0911-IO-04	S					A1	
1	RJ	1RJ00963 T1	III3S	1.00	0.133	C	WM1RJ-7	R	PAFZ	OGP	080684						SEV	001967						4.13	S	PF	SM	5RW0911-IO-04	S					A1	
1	RK	1RK00244	III3S	6.00	0.280	C	WM1RK-4	A	FAIV	JES	122678	PT	JES	122678			JAS	031788	PT	JAS	031788			20.81	B	PF	SM	3BW0471-00-24	S	S				A1	
1	RK	1RK00252	III3S	6.00	0.280	C	WM1RK-4	A	FAJY	JES	112778	PT	JES	112778			JAS	031768	PT	JAS	031768			29.81	S	PF	SM	3BW0471-00-24	S	S				A1	
2	RK	2RK00051	III3S	12.00	0.375	S	WM2RK-3	A	FARE	MWH	012682	PT	MWH	012682			RMB	091887	PT	RMB	091967			40.06	S	PF	WM	3BW0471-00-14	S	S				A1	
2	RK	2RK00302 S1	III3S	1.00	0.133	C	WM2RK-4	A	FARD	FCB	040885						SEV	091967						4.13	S	PF	SM	3BW0471-00-26	S					A1	
1	SA	1SA00045B	III3S	0.50	0.147	C	WM1SA-1	A	PABU	DJB	012681						DET	030888						2.64	S	PF	SM	3BW0449-SA-13	S					A1	
1	SM	1SM00061 R4	III2S	32.00	1.340	C	WM1SM-3	A	FALH	MAG	050880				LBH	050880	DET	030966				DHM	031688	100.53	B	PV	SM	3BW0400-SM-04	S			R17		A1	A8
1	SM	1SM00071A	III2S	32.00	1.474	C	WM1SM-3	R	FAMM	GAU	072978				LBH	080178						DHM	030388	100.53	B	PP		3BW0400-SM-01				S	NOTE 4		A1
1	SM	1SM00073C R4	III2S	26.13	1.021	E	WM1SM-3	R	FAEJ	MOM	071583				LBH	072083	JAS	031388				DHM	031888	81.68	S	FF	SM	3BW0400-SM-01	S			S		A1	A1
1	SM	1SM30074C	III2S	26.13	1.021	E	WM1SM-3	R	FAEJ	CKT	041883				LBH	080983	JAS	031388				DHM	031788	81.68	B	FF	SM	3BW0400-SM-01	DKY			S		R1	A1
1	SM	1SM00100C	III2S	12.00	1.000	C	WM1SM-3	A	FBTG	MWH	020482				LBH	021062	DET	030988				DHM	031788	40.06	B	PP	SM	3BW0400-SM-04	L			S		A3	A1
1	SM	1SM00105A R1	III2S	2.50	0.276	C	WM1SM-3	A	FBTG	DH	031882				WEL	032982	DET	030988				DHM	031768	9.03	B	PF	SM	3BW0400-SM-04	S			S		A1	A1
1	SM	1SM00121	III2S	2.00	0.344	C	WM1SM-3	A	FALH	RPR	042380	PT	RPR	042380			DET	030988	PT	DET	030388			7.48	S	PF	SM	3BW0400-SM-05	S	S				A1	

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WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT								REINSPECTIONS						
UNT	SYS	WELD NUMBER	TVA CLB	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LH IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	SM	1SM00147	III2S	32.00	1.474	C	WM1SM-3	A	FAUZ	GMJ	091079				LBH	100279	JAS	031486				DHM	031888	109.53	B	PF	SM	3BW0400-SM-06	S			S		A1	A1
1	SM	1SM00147C	III2S	32.06	1.474	C	WM1SM-3	R	FAHN	JDE	062378				LBH	073178						DHM	030488	100.53	S	PP		3BW0400-SM-01				S	NOTE 4		A1
1	SM	1SM00163C R2	III2S	26.13	1.021	E	WM1SM-3	R	FALH	ACJ	121884				LBH	122684	JAS	031388				DHM	031888	81.68	B	FF	SM	3BW0400-SM-01	S			S		A1	A1
1	SM	1SM00163D R2	III2S	26.13	1.021	E	WM1SM-3	R	FALH	ACJ	011795				LBH	020488	JAS	031388				DHM	031768	81.68	S	FF	SM	3BW0400-SM-01	F			S		A3	A1
1	SV	1SV00018	III2S	6.06	0.562	C	WM1SV-1	A	FBKG	MAG	001080				JHG	071780	JAS	032988				DHM	030388	20.81	B	PF	BM	3BW0409-SV-04	S			B		A1	A1
1	SV	1SV00318 S1	III2S	1.00	0.250	C	WM1SV-1	A	FBOZ	JRW	031684	PT	JRW	031684			DET	030888	PT	DET	030888			4.13	S	PF	SM	3BW0409-SV-19	KN	Y				A4	
1	VA	1ILA142B-1-A01	B311S	0.38	0.065	S	1ILA-142B-0	A	PAGC	PW	102964						SEV	091987						1.19	A	PF	NM	5AW1976-IO-42	S					A1	
1	VA	1ILA142B-1-A02	B311S	0.38	0.065	S	1ILA-142B-0	A	PAGC	PW	102964						SEV	091987						1.19	A	PF	NM	5AW1976-IO-42	S					A1	
1	VA	1ILA142B-1-B03	B311S	0.38	0.065	S	1ILA-142B-0	A	PAGC	PW	102964						SEV	091987						1.19	A	PF	WM	5AW1976-IO-42	S					A1	
1	VA	1ILA142B-1-B04	B311S	0.38	0.065	S	1ILA-142B-0	A	PAGC	PW	102964						SEV	091987						1.19	A	PF	WM	5AW1976-IO-42	S					A1	
1	VA	1VA03641	B31.1	4.00	0.237	S	WM1VA-20	A	PACK	SMM	050785						KJC	031688						14.14	B	PF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03642	B31.1	4.00	0.237	S	WM1VA-20	A	PACK	SMM	050785						KJC	031088						14.14	B	PF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03643	B31.1	0.75	0.411	S	WM1VA-20	A	PACK	SMM	050785						KJC	031688						3.30	SO	FF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03644	B31.1	NA	0.187	S	WM1VA-20	A	PADY	RAC	092785						KJC	031688						29.00	F	AP	WM	3GW0338-00-07	H				NOTE 5	A5	
1	VA	1VA03645	B31.1	NA	0.187	S	WM1VA-20	A	PADY	RAC	092785						KJC	031688						29.00	F	AP	WM	5GW0338-00-07	H				NOTE 5	A5	
1	VA	1VA03646	B31.1	NA	0.187	S	WM1VA-20	A	PADY	RAC	092785						KJC	031688						20.00	F	ST	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03647	B31.1	NA	0.187	S	WM1VA-29	A	PADY	RAC	092785						KJC	031688						29.00	F	ST	WM	3GW0338-08-07	S				NOTE 5	A1	
1	VA	1VA03648	B31.1	0.75	0.411	S	WM1VA-20	A	PACK	SMM	050785						KJC	031688						3.30	SO	FF	WM	3GW0338-00-07	S				NOTE 5	A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MT/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
																													SURFACE			VOLUME			
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP SY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	VA	1VA83649	B31.1	4.00	0.237	S	WM1VA-23	A	PABA	JHH	051385						KJC	031688						14.14	B	PF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03650	B31.1	4.06	0.237	S	WM1VA-20	A	PABA	JHH	051385						KJC	031688						14.14	B	PF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03651	B31.1	0.75	0.411	S	WM1VA-20	A	PABA	JHH	051385						KJC	031688						3.30	SO	FF	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03652	B31.1	NA	0.187	S	WM1VA-20	A	PADY	CKT	092785						KJC	031688						20.00	F	AP	WM	3GW0338-00-07	H				NOTE 5	A5	
1	VA	1VA03653	B31.1	NA	0.187	S	WM1VA-20	A	PADY	CKT	092785						KJC	031688						20.00	F	AP	WM	3GW0338-00-07	H				NOTE 5	A5	
1	VA	1VA03654	B31.1	NA	0.187	S	WM1VA-20	A	PADY	CKT	092785						KJC	031688						20.00	F	ST	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03655	B31.1	NA	0.187	S	WM1VA-20	A	PADY	CKT	092785						KJC	031688						20.06	F	ST	WM	3GW0338-00-07	S				NOTE 5	A1	
1	VA	1VA03656	B31.1	0.75	0.411	S	WM1VA-20	A	PABA	JHH	051385						KJC	031688						3.30	SO	FF	WM	3GW0338-00-07	S				NOTE 5	A1	
2	VE	2VE00119	B311S	3.00	0.216	C	WM2VE-1	A	FAZS	AV	070751						DET	091287						11.00	B	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00121	B311S	3.00	0.216	C	WM2VE-1	A	FBAG	MHD	093081						KJC	091287						11.00	B	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00136	B311S	3.06	0.216	C	WM2VE-1	A	FAZS	AV	070781						DET	091287						11.00	B	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00137	B311S	3.00	0.216	C	WM2VE-1	A	FAZS	RPR	071481						DET	091287						11.00	S	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00192	B311S	2.50	0.203	C	WM2VE-1	A	FAOV	JES	040181						KJC	091287						9.03	B	PF	SM	3AW0443-00-15	S					A1	
2	VE	2VE00103 B1	B311S	2.50	0.203	C	WM2VE-1	A	FBDY	ACH	121981						KJC	091287						0.03	B	PF	SM	5AW0443-00-16	S					A1	
2	VE	2VE00217A	B311S	2.00	0.154	C	WM2VE-2	A	FATD	JPB	022581						KJC	091287						7.48	S	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00217B	B311S	1.00	0.133	C	WM2VE-2	A	FAZS	AV	061681						KJC	091287						4.13	S	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00237 R1	B311S	6.06	0.280	C	WM2VE-2	A	FALM	GMJ	041087	PT	GMJ	041087			DET	091387	PT	DET	091387			20.81	S	PF	SM	3AW0443-00-09	S	S			NOTE 1	A1	
2	VE	2VE00238	B311S	6.00	0.280	C	WM2VE-2	A	FBOX	ACH	033181	MT	ACH	033181			DET	091387	MT	DET	091387			20.81	S	FF	SM	3AW0443-00-09	S		S		NOTE 1	A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS						
																													SURFACE			VOLUME		RESOLUTION	
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE00277 B1	B311S	4.06	0.237	C	WM2VE-2	A	FBAG	RPR	040881						KJC	091387						14.14	B	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00278	B311S	4.06	0.237	C	WM2VE-2	A	FBAG	RPR	042281						KJC	091387						14.14	B	PF	SM	3AW0443-00-09	L					A8	
2	VE	2VE00293	B311S	0.50	0.109	C	WM2VE-2	A	FAZS	AV	061781						KJC	091987						2.04	S	PV	SM	3AW0443-00-09	F					A3	
2	VE	2VE00307A	B311S	0.50	0.375	C	WM2VE-2	A	PAAZ	WJSw	051280						KJC	091287						2.04	SO	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE00363	B311S	2.00	0.154	C	WM2VE-2	A	FAKL	RPR	040682						DET	091287						7.40	S	PF	SM	3AW0443-00-09	H					A5	
2	VE	2VE00368	B311S	2.00	0.154	C	WM2VE-2	A	FAWO	JPB	030581						KJC	091287						7.46	S	PF	SM	3AW0443-00-09	S					A1	
2	VE	2VE06525A	B311S	0.50	0.109	C	WM2VE-3	A	FBRT	MAG	082481						KJC	091287						2.64	S	PV	BM	3AW0443-00-11	S					A1	
2	VE	2VE06533 S1	B311S	3.00	0.216	C	WM2VE-3	A	FAWO	MRP	032383						KJC	091287						11.00	S	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00535	B311S	3.00	0.216	C	WM2VE-3	A	FCDC	MAG	082881						KJC	091297						11.00	B	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE06539A	B311S	2.50	0.203	C	WM2VE-3	A	FAWG	RGS	012687						KJC	091287						9.03	S	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00575A	B311S	1.50	0.625	C	WM2VE-3	A	PAAZ	DFA	012483						DET	091287						5.97	SO	PF	SM	3AW0443-00-11	DFL					A5	
2	VE	2VE00575B	B311S	1.50	0.145	D	WM2VE-3	A	PAAZ	DFA	012583						DET	091287						5.97	S	FF	NM	3AW0443-00-11	S					A1	
2	VE	2VE06561	B311S	3.00	0.216	C	WM2VE-3	A	FBEL	MHD	101381						DET	091287						11.06	B	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00563	B311S	3.00	0.750	C	WM2VE-3	A	FAVD	DH	043081						DET	091287						11.00	WO	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00603	B311S	2.50	0.203	C	WM2VE-4	A	FBEK	MHD	110281						DET	091787						9.03	S	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00306	B311S	2.50	0.625	C	WM2VE-4	A	FBRT	DH	060581						DET	091787						9.03	WO	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00623	B311S	6.00	0.280	C	WM2VE-4	A	FBRT	DH	050681	MT	DH	050581			DET	091787	MT	DET	091787			20.61	S	PF	SM	3AW0443-00-11	S		S		NOTE 1	A1	
2	VE	2VE00626 R1	B311S	6.09	0.280	C	WM2VE-4	A	FBRT	DH	070181	MT	DH	070181			KJC	091787	MT	DET	091787			29.61	B	PF	SM	3AW0443-00-11	S		S		NOTE 1	A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS						
																								WELD	TYPE	TYPE	WELD	PHYSICAL	SURFACE			VOLUME		RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP SY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP	WELD	FITUP	METL	DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE00698	B311S	2.06	0.154	C	WM2VE-4	A	FBRT	ZSR	111481						KJC	091787						7.46	S	PV	SM	3AW0443-00-11	S					A1	
2	VE	2VE00698	B311S	2.00	0.154	C	WM2VE-4	A	FBRT	ZSR	111481						KJC	001787						7.46	S	PV	SM	3AW0443-00-11	S					A1	
2	VE	2VE00705B	B311S	3.09	0.210	C	WM2VE-4	A	FBRT	MAG	100261						KJC	091787						11.00	S	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE06711	B311S	3.00	0.216	C	WM2VE-4	A	FBRT	MAS	092681						KJC	091787						11.06	S	PF	SM	3AW0443-00-11	S					A1	
2	VE	2VE00776	B311S	3.00	0.218	C	WM2VE-5	A	FAOP	DJB	042781						KJC	091987						11.09	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE06789A	B311S	1.25	0.625	C	WM2VE-5	A	PAAZ	MRF	120982						KJC	001287						5.22	SO	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE06789B	B311S	1.25	0.145	D	WM2VE-5	A	PAAZ	MRP	120982						KJC	091287						5.22	S	FF	WM	3AW0443-00-13	S					A1	
2	VE	2VE00796	B311S	0.50	0.218	C	WM2VE-5	A	FAOP	RSG	071481						KJC	091287						2.04	SO	PF	SM	3AW0443-00-29	S					A1	
2	VE	2VE00707	B311S	0.50	0.109	C	WM2VE-5	A	FAOP	DH	071681						KJC	091287						2.64	S	PF	SM	3AW0443-00-20	S					A1	
2	VE	2VE00804	B311S	4.00	0.237	C	WM2VE-5	A	FAOP	MAG	100151						DET	091987						14.14	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE06514 S1	B311S	2.50	0.200	C	WM2VE-5	A	FALM	RGB	020287						KJC	001287						9.03	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE00817 S1	B311S	0.50	0.218	C	WM2VE-5	A	FALM	RGB	012687						DET	091287						2.04	SO	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE06893 S1	B311S	2.50	0.203	C	WM2VE-5	A	FALM	DRS	012687						DET	091287						9.03	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE00896	B311S	2.50	0.203	C	WM2VE-5	A	FAWG	DH	042182						DET	091287						9.03	S	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE00906A	B311S	1.25	0.625	C	WM2VE-5	A	PAAZ	MRP	120982						KJC	091987						5.22	SO	PF	SM	3AW0443-00-13	FKN					A5	
2	VE	2VE00912	B311S	4.00	0.237	C	WM2VE-5	A	FAOP	DJB	052981						DET	091987						14.14	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE00949	B311S	0.50	0.218	C	WM2VE-9	A	FCBS	RSG	092081						KJC	091587						2.04	SO	PF	BM	3AW0443-00-20	S					A1	
2	VE	2VE00950B	B311S	0.50	0.109	C	WM2VE-5	A	FCBS	RSG	100581						KJC	001587						2.04	S	PF	SM	3AW0443-00-29	S					A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS												
										VT		MT/PT			RT		VT		MT/PT			RT							REINSPECTIONS						RESOLUTION	
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE00953 S1	B311S	3.06	0.216	C	WM2VE-9	A	FCBS	RSG	092681						DET	091567						11.00	B	FF	BM	3AW0443-00-15	S					A1	
2	VE	2VE00959A	B311S	3.09	0.216	C	WM2VE-5	A	FCBS	RSG	082181						KJC	091567						11.06	B	PP	SM	3AW0443-00-15	KLM					A5	
2	VE	2VE00976	B311S	2.09	0.154	C	WM2VE-3	A	FAWD	RPR	010782						KJC	091567						7.46	S	PF	SM	3AW0443-00-15	S					A1	
2	VE	2VE00981	B311S	0.50	0.216	C	WM2VE-3	A	FCBS	RSG	120281						DET	091567						2.04	SO	FF	SM	3AW0443-00-20	S					A1	
2	VE	2VE00996	B311S	3.00	6.210	C	WM2VE-5	A	FCBS	RSG	112681						DET	091687						11.09	S	PF	SM	3AW0443-00-15	F					A5	
2	VE	2VE00999	B311S	3.00	0.216	C	WM2VE-0	A	FCEG	RSG	110381						DET	091567						11.00	B	FF	SM	3AW0443-00-15	S					A1	
2	VE	2VE01016 S1	B311S	2.00	0.154	C	WM2VE-9	A	FAWG	MWH	029182						KJC	061567						7.46	S	PV	SM	3AW0443-00-15	S					A1	
2	VE	2VE01039	B311S	2.00	0.164	C	WM2VE-5	A	FCBS	RSG	120481						KJC	091687						7.46	S	PF	SM	3AW0443-00-15	H					A3	
2	VE	2VE01093A	B311S	0.50	0.218	C	WM2VE-7	A	FAWG	DJB	052981						KJC	091687						2.64	SO	PF	SM	3AW0443-00-29	S					A1	
2	VE	2VE01106	B311S	2.00	0.468	C	WM2VE-7	A	FAWG	RSG	070781						KJC	001687						7.46	SO	PF	SM	3AW0443-00-19	S					A1	
2	VE	2VE01118	B311S	2.00	0.154	C	WM2VE-7	A	FAWG	RSG	071081						KJC	091687						7.46	S	PF	SM	3AW0443-00-15	S					A1	
2	VE	2VE01130A	B311S	2.00	0.154	C	WM2VE-7	A	FAWG	DJB	071881						DET	091687						7.40	S	PF	SM	3AW0443-00-15	S					A1	
2	VE	2VE01150	B311S	6.09	0.288	C	WM2VE-7	A	FAWG	ACH	021381	MT	ACH	021381			KJC	091787	MT	DET	091787			29.81	S	PF	SM	3AW0443-00-15	S		S		NOTE 1	A1	
2	VE	2VE01150	B311S	6.00	0.290	C	WM2VE-7	A	FAWG	RPR	022681	MT	RPR	022381			KJC	091787	MT	KJC	091787			20.81	B	PF	SM	3AW0443-00-15	S		S		NOTE 1	A1	
2	VE	2VE01164	B311S	2.00	0.158	C	WM2VE-7	A	FAWG	RSG	092681						DET	091787						7.45	S	PF	BM	3AW0443-00-15	S					A1	
2	VE	2VE01271	B311S	2.50	0.203	C	WM2VE-5	A	FBEL	PW	112681						JAS	030988						0.03	S	PF	SM	3AW0443-00-12	S					A1	
2	VE	2VE01277	B311S	2.50	0.200	C	WM2VE-5	A	FBSC	DH	110381						KJC	032388						0.03	S	PF	SM	3AW0443-00-12	S					A1	
2	VE	2VE01282	B311S	2.50	0.203	C	WM2VE-5	A	FBSC	DH	110281						KJC	030388						9.03	S	FF	SM	3AW0443-00-12	S					A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS					RESOLUTION	
																								WELD	TYPE	TYPE	WELD	PHYSICAL	SURFACE			VOLUME			
UNIT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	IHSP BY	DATE	INSP	WELD	FITUP	METL	DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE01292	B311S	2.59	0.203	C	WM2VE-5	A	FBSC	MWH	012682						KJC	032388						9.03	B	PF	SM	3AW0443-00-12	S					A1	
2	VE	2VE01374A	B311S	2.50	0.203	C	WM2VE-5	A	FAWD	RSG	012682						DET	091567						9.03	B	PF	SM	3AW0443-00-15	S					A1	
2	VE	2VE01380	B311S	2.50	0.203	C	WM2VE-5	A	FAWG	RSG	021262						KJC	091567						0.03	S	PF	SM	3AW0443-00-19	S					A1	
2	VE	2VE01456	B311S	4.00	0.237	C	WM2VE-0	A	FALM	WJSw	030367						DET	091687						14.14	S	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE01462	B311S	4.00	0.237	C	WM2VE-0	A	FAOP	ZSR	011162						DET	091567						14.14	B	PF	SM	3AW0443-00-13	S					A1	
2	VE	2VE01468	B311S	0.50	0.109	C	WM2VE-5	A	FAOP	PW	121681						KJC	091967						2.04	S	PV	SM	3AW0443-00-29	Y					A3	
2	VE	2VE01509	B311S	0.50	0.218	C	WM2VE-5	A	FALH	REG	022587						DET	091967						2.64	SO	PF	SM	3AW0443-00-20	S					A1	
2	VE	2VE01518A	B311S	0.50	0.100	C	WM2VE-0	A	FAOP	MRP	021782						KJC	091567						2.04	S	PV	SM	3AW0443-00-29	S					A1	
2	VE	2VE01531	B311S	2.50	0.203	C	WM2VE-0	A	FALM	CKT	050686						DET	091687						9.03	B	PF	SM	3AW0443-00-19	S					A1	
2	VE	2VE01540B	B311S	1.50	0.145	D	WM2VE-0	A	PAAZ	RSG	011963						DET	091687						5.97	S	FF	NM	3AW0443-00-19	S					A1	
2	VE	2VE01549	B311S	2.50	0.203	C	WM2VE-9	A	FAWG	MDS	112981						KJC	091687						9.03	B	PF	SM	3AW0443-00-19	S					A1	
2	VE	2VE01569	B311S	0.50	0.109	C	WM2VE-9	A	FAWG	RSG	102681						DET	091687						2.64	S	PF	SM	3AW0443-00-20	S					A1	
2	VE	2VE01602	B311S	0.50	0.109	C	WM2VE-9	A	FALM	CKT	051686						DET	091687						2.04	S	PF	SM	3AW0443-00-29	S					A1	
2	VE	2VE01605	B311S	3.00	0.216	C	WM2VE-10	A	FBOK	ACH	020261						DET	091967						11.00	S	PF	SM	3AW0443-00-02	CF					A5	
2	VE	2VE01625	B311S	3.00	0.216	C	WM2VE-10	A	FBAG	WJSw	032681						DET	091167						11.00	S	PF	SM	3AW0443-00-02	S					A1	
2	VE	2VE01629	B311S	0.50	0.438	C	WM2VE-10	A	FBAG	WJSw	073161						KJC	091067						2.04	SO	PF	SM	3AW0443-00-20	M					A5	
2	VE	2VE01630	B311S	0.50	0.109	C	WM2VE-10	A	FBAG	WJSw	073161						KJC	091067						2.04	S	PF	BM	3AW0443-00-20	S					A1	
2	VE	2VE01676	B311S	1.50	0.625	C	WM2VE-10	A	PAAZ	AV	051332						KJC	091067						5.97	SO	PF	SM	3AW0443-00-16	NW					A3	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT		LN IN					REINSPECTIONS						
																								WELD	TYPE	TYPE	WELD	PHYSICAL	SURFACE			VOLUME		RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLB	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	SLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP	WELD	FITUP	METL	DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE01677	B311S	1.50	0.145	D	WM2VE-10	A	PAAZ	AV	051382						KJC	091087						5.07	S	FF	WM	3AW0443-00-16	S					A1	
2	VE	2VE01690 S1	B311S	3.06	0.216	C	WM2VE-10	A	FBIQ	WJSw	080651						DET	091087						11.06	B	PV	SM	3AW0443-00-16	B					A1	
2	VE	2VE01710 S1	B311S	3.00	0.216	C	WM2VE-10	A	FCCG	WJSw	080561						DET	091087						11.09	S	PV	SM	3AW0443-00-16	S					A1	
2	VE	2VE01729	B311S	0.50	0.109	C	WM2VE-10	A	FBAG	WJSw	031801						DET	091187						2.64	S	PV	SM	3AW0443-00-20	S					A1	
2	VE	2VE01727	B311S	3.00	0.216	C	WM2VE-10	A	FBAG	WJSw	031681						DET	091187						11.00	S	PF	SM	3AW0443-00-02	S					A1	
2	VE	2VE01746	B311S	3.00	0.216	C	WM2VE-10	A	FBAG	ACH	010881						DET	091187						11.06	B	PF	SM	3AW0443-00-02	S					A1	
2	VE	2VE01613A	B311S	0.50	0.109	C	WM2VE-11	A	FALH	JHH	091088						KJC	091087						2.64	S	PV	SM	3AW0443-00-20	S					A1	
2	VE	2VE01614	B311S	3.00	0.216	C	WM2VE-11	A	FBIO	AV	121801						KJC	091087						11.00	B	PF	SM	3AW0443-00-16	S					A1	
2	VE	2VE01618	B311S	3.00	0.216	C	WM2VE-11	A	FBIQ	AV	121481						KJC	091087						11.00	B	PF	SM	3AW0443-00-16	S					A1	
2	VE	2VE01654A	B311S	0.50	0.100	C	WM2VE-11	A	FBIQ	AV	012682						DET	091687						2.64	S	PF	BM	3AW0443-00-20	S					A1	
2	VE	2VE01654B	B311S	0.50	0.109	C	WM2VE-11	A	FBIQ	AV	012682						KJC	091007						2.04	S	PF	SM	3AW0443-00-20	K					A3	
2	VE	2VE01880	B311S	3.00	0.216	C	WM2VE-11	A	FBIQ	AV	120981						KJC	091087						11.00	B	PF	SM	3AW0443-00-02	S					A1	
2	VE	2VE01910	B311S	0.50	0.216	C	WM2VE-11	A	FBDY	WJSw	100681						KJC	091987						2.64	SO	PF	SM	3AW0443-00-20	F					A5	
2	VE	2VE01920	B311S	3.00	0.216	C	WM2VE-11	A	FBIQ	WJSw	040281						KJC	091987						11.00	S	PF	SM	3AW0443-00-02	FM					A3	
2	VE	2VE01965	B311S	3.06	0.216	C	WM2VE-11	A	FBAG	WJSw	081451						KJC	091087						11.00	B	FF	SM	3AW0443-00-16	H					A3	
2	VE	2VE01966	B311S	3.00	0.216	C	WM2VE-11	A	FBAG	WJSw	082001						KJC	091087						11.00	B	FF	SM	3AW0443-00-16	S					A1	
2	VE	2VE02010	B311S	3.06	0.210	C	WM2VE-11	A	FBIQ	WJSw	050181						KJC	091087						11.06	S	FV	SM	3AW0443-00-16	S					A1	
2	VE	2VE02017	B311S	3.00	0.216	C	WM2VE-11	A	FBIQ	WJSw	080181						KJC	091087						11.06	B	FV	SM	3AW0443-00-16	S					A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS												
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS						RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE02015	B311B	2.00	0.154	C	WM2VE-11	A	FBAG	WJSw	080731						KJC	091067						7.45	S	PF	SM	3AW0443-00-16	S					A1	
2	VE	2VE02020	B311B	3.06	0.216	C	WM2VE-11	A	FBIQ	WJSw	072361						KJC	091067						11.00	S	PF	SM	3AW0443-00-16	S					A1	
2	VE	2VE02021	B311B	3.09	0.216	C	WM2VE-11	A	FBIQ	WJSw	072261						KJC	091067						11.09	B	FF	SM	3AW0443-00-16	S					A1	
2	VE	2VE02071A	B311S	6.00	0.280	C	WM2VE-12	A	FCIH	WJSa	110481	MT	WJSa	110481			DET	092067	MT	DET	092067			20.61	B	PF	SM	3AW0443-00-08	KN		K		NOTE 1	A3	
2	VE	2VE02076 R2	B311S	6.00	0.280	C	WM2VE-12	A	FCKO	MHD	012483	MT	MHD	012483			DET	092067	MT	DET	092067			20.61	S	PF	SM	3AW0443-00-00	K		S		NOTE 1	A3	
2	VE	2VE02080 S1	B311S	6.00	0.280	C	WM2VE-12	A	FBDK	GLS	061082	MT	GLS	061082			KJC	091487	MT	KJC	001487			20.61	S	PV	SM	3AW0443-00-06	F		S		NOTE 1	A3	
2	VE	2VE02087	B311S	6.00	0.280	C	WM2VE-12	A	FCIN	WJSw	120281	MT	WJSw	120281			DET	091487	MT	DET	091487			20.61	B	PV	SM	3AW0443-00-06	I		I		NOTE 1	A3	
2	VE	2VE02090A	B311S	6.00	0.280	C	WM2VE-12	A	FCEN	WJSw	021787	MT	WJSw	021787			DET	001487	MT	DET	001487			20.61	B	PP	SM	3AW0443-00-06	M		Y		NOTE 1	A6	
2	VE	2VE02091	B311S	0.50	0.218	C	WM2VE-12	A	FCIN	MHD	121451						KJC	091487						2.54	S	PF	SM	3AW0443-00-20	S					A1	
2	VE	2VE02104 S1	B311S	6.00	0.280	C	WM2VE-12	A	FCEN	CKT	092686	MT	CKT	092680			DET	092067	MT	DET	092067			20.61	B	PF	SM	3AW0443-00-06	S		S		NOTE 1	A1	
2	VE	2VE02104A S1	B311S	6.00	0.250	C	WM2VE-12	A	FCEH	CKT	092680	MT	CKT	092686			KJC	092067	MT	KJC	092067			20.61	S	PP	SM	3AW0443-00-08	F		S		NOTE 1	A3	
2	VE	2VE00147	B311S	6.06	0.280	C	WM2VE-12	A	FBDK	JES	030682	MT	JES	030682			KJC	091407	MT	KJC	091487			29.61	B	PF	SM	3AW0443-00-08	M		Y		NOTE 1	A6	
2	VE	2VE02150 S1	B311S	6.00	0.280	C	WM2VE-12	A	FBDK	JES	030682	MT	JES	030682			KJC	092067	MT	KJC	092067			20.61	B	PF	SM	3AW0443-00-00	S		S		NOTE 1	A1	
2	VE	2VE02178	B311S	6.00	0.280	C	WM2VE-12	A	FBAG	WJSa	110481	MT	WJSa	110481			DET	091407	MT	DET	091487			20.61	B	PF	SM	3AW0443-00-00	S		S		NOTE 1	A1	
2	VE	2VE02150	B311S	6.00	0.200	C	WM2VE-12	A	FBAG	WJSw	091880	MT	WJSw	001888			DET	091407	MT	DET	091487			20.61	B	PV	SM	3AW0443-00-09	S		S		NOTE1	A1	
2	VE	2VE02292	B311S	6.00	0.280	C	WM2VE-13	A	FBCS	GLS	071682	MT	GLS	071682			KJC	092067	MT	KJC	092687			20.61	B	PF	SM	3AW0443-00-04	F		S		NOTE1	A6	
2	VE	2VE02296	B311S	6.00	0.280	C	WM2VE-13	A	FBCS	GLS	071682	MT	GLS	071682			DET	092067	MT	DET	092067			20.51	B	PF	SM	3AW0443-00-04	S		S		NOTE1	A1	
2	VE	2VE02301	B311S	6.00	0.280	C	WM2VE-13	A	FBCS	LB	061482	MT	LB	061482			DET	092067	MT	DET	092687			20.61	S	PF	SM	3AW0443-00-07	S		S		NOTE1	A1	

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
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REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS											
										VT		MY/PT			RT		VT		MT/PT			RT							REINSPECTIONS						
																													SURFACE			VOLUME		RESOLUTION	
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
2	VE	2VE02360A	B311S	6.00	0.280	C	WM2VE-13	A	FCIG	MHD	040782	MT	JES	041682			KJC	092087	MT	KJC	092087			20.81	B	PF	SM	3AW0443-00-07	S		S		NOTE1	A1	
2	VE	2VE02627	B311S	6.00	0.280	C	WM2VE-14	A	FCMD	MHD	032782	MT	MHD	032782			KJC	092087	MT	KJC	092087			20.81	B	PF	SM	3AW0443-00-05	S		S		NOTE1	A1	
2	VE	2VE02638	B311S	6.00	0.280	C	WM2VE-14	A	FCIG	GLS	061182	MT	GLS	061682			KJC	091387	MT	DET	091387			20.81	B	PF	SM	3AW0443-00-05	S		S		NOTE1	A1	
2	VE	2VE02657	B311S	3.00	0.216	C	WM2VE-14	A	FBCS	JHH	052182						DET	091387						11.00	B	PF	SM	3AW0443-00-05	S					A1	
2	VE	2VE02665	B311S	6.00	0.280	C	WM2VE-14	A	FCKO	MHD	032482	MT	MHD	032482			KJC	092087						20.81	B	PF	SM	3AW0443-00-08	S				NOTE 1,7	A1	
2	VE	2VE02767	B311S	3.00	0.216	C	WM2VE-14	A	FCIG	JHH	070282						KJC	091387						11.00	B	PF	SM	3AW0443-00-17	S					A1	
0	WD	0WD00372A S1	III3S	3.00	0.216	D	WM0WD-5	A	FBEN	RSG	032381						KJC	031588						11.00	B	PP	SM	3BW0408-WD-18	S					A1	
0	WD	0WD00393	III3S	2.00	0.154	D	WM0WD-5	A	FBGU	ACH	082581						KJC	031588						7.46	B	PP	SM	3BW0408-WD-17	S					A1	
0	WD	0WD00399A	III3S	2.00	0.154	D	WM0WD-8	A	FBOM	ACH	061881						KJC	031588						7.46	B	PP	SM	3BW0408-WD-17	S					A1	
0	WD	0WD00468A	III3S	3.00	0.216	S	WM0WD-6	A	FBCG	RSG	061381						KJC	031588						11.00	B	PP	SM	3BW0408-WD-19	S					A1	
0	WD	0WD00791 U1	III3S	6.00	0.280	C	WM0WD-5	A	FAKH	ACH	033183	MT	WJS	040183			KJC	031588	MT	KJC	031588			20.81	B	PF	SM	3BW0408-WD-16	S		S			A1	
0	WD	0WD00952	III3S	1.25	0.140	C	WM0WD-5	A	FAFY	NAA	080784						KJC	031588						8.22	B	PF	SM	3BW0408-WD-16	S					A1	
0	WD	0WD00968	III3S	2.00	0.154	C	WM0WD-8	A	FBAI	ACH	061681						KJC	031588						7.40	S	PF	SM	3BW0408-WD-23	S					A1	

WELDS SELECTED = 517

INSPECTIONS	REINSPECTIONS	REINSPECTION EVALUATED	INCHES WELD	RESOLUTIONS
VT= 817	VT= 513	VT= 513	REINSPECTED = 6945.76	SURFACE = 513
MT= 29	MT= 28	MT= 28		VOLUMETRIC = 187
PT= 158	PT= 157	PT= 187		
RT= 189	RT= 187	RT= 187		

BELLEFONTE MECHANICAL PIPING WELDS REINSPECTION
PIPING WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION										INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS										
										VT		MY/PT			PT		VT		MT/PT			RT											
UNT	SYS	WELD NUMBER	TVA CLS	SIZE (IN)	THICK (IN)	MAT	WELD MAP #	BLD	WELDER ID	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT /PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	REINSPECTIONS SURFACE VT	PT	MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	VOLUME

BYSTEM	LN IN WELD INSPECTED	# WELDS INSPECT
CA =	142.83	9
CF =	384.75	9
CR =	27.1	1
FF =	35.43	4
IO =	3.83	2
IR =	8.26	2
KC =	419.31	29
KE =	731.9	31
NB =	133.54	20
NC =	14.14	1
ND =	720.86	50
NI =	256.85	6
NK =	31.23	2
NL =	74.47	9
NM =	75.77	8
NS =	493.76	32
NV =	813.77	122
RG =	37.77	8
RJ =	37.36	8
RK =	85.81	4
SA =	2.04	1
SM =	785.39	11
SV =	24.94	2
VA =	234.52	29
VE =	1299.1	124
WD =	70.41	7
TOTAL =	6948.79	817

INDICATIONS SUMMARY

SURFACE INDICATION	INSPECTIONS VT	MT/PT	TOT	WELDS	VOLUMETRIC INDICATION	WELDS
A	0	0	0	9	R1	0
B	1	0	1	1	R2	0
C	1	0	1	1	R3	2
D	5	0	5	5	R4	0
E	9	0	0	0	R5	2
F	20	0	20	20	R6	29
G	9	0	0	0	R7	29
H	7	0	7	7	R8	1
I	3	3	6	5	R9	0
J	0	9	0	0	R10	0
K	11	2	13	11	R11	0
L	6	0	6	8	R12	0
M	9	9	9	9	R13	0
N	11	9	11	11	R14	0
O	0	0	0	0	R15	0
P	0	0	0	0	R16	0
Q	0	2	2	2	R17	9
T	0	0	0	0	R18	0
U	0	1	1	1	R19	0
V	2	0	2	2	R20	0
W	1	0	1	1	R21	0
Y	2	13	15	15		
TOT	79	21	100	97	TOT	72

SURFACE INDICATIONS RESOLUTIONS	
A1	441
A2	4
A3	28
A4	6
A5	28
A6	4
A7	2
R1	3
TOTAL	813

VOLUMETRIC INDICATIONS RESOLUTIONS	
A1	130
A5	57
TOTAL	187

TABLE 3.5

This table is a tabulation of data summarized from the reinspection report of selected HVAC duct welds. The results and resolution of the reinspection are tabulated for each weld.

BELLEFONTE HVAC DUCT WELDS REINSPECTION LEGEND SHEET

UNIT	IDENTIFICATION OF WELD LOCATION UNIT 1, 2, OR 0 (COMMON)
SYSTEM	IDENTIFICATION OF SYSTEM
INSPECT PACK #	UNIQUE IDENTIFICATION NUMBER OF WELD REINSPECTION PACKAGE
WELD NUMBER	UNIQUE WELD IDENTIFICATION NUMBER AS ASSIGNED ON REINSPECTION REPORT
CODE CLASS	DESIGN AND CONSTRUCTION CODE
THICKNESS	DUCT WALL THICKNESS AS MANUFACTURED (NOMINAL SPECIFICATION)

PIPE MATERIAL (base material at weld joint)

A = ALUMINUM
B = STAINLESS STEEL TO Ni Cr STEEL
C = CARBON STEEL TO CARBON STEEL
D = CARBON STEEL TO STAINLESS STEEL
E = CARBON STEEL TO LOW ALLOW STEEL (REACTOR VESSEL)
G = GALVANIZED SHEETMETAL TO GALVANIZED SHEETMETAL
S = STAINLESS STEEL TO STAINLESS STEEL

DUCT MAP #	DRAWING NUMBER OF MAP OF DUCT SEGMENTS
DUCT SEGMENT #	UNIQUE NUMBER ASSINGED EACH DUCT SEGMENT

BUILDINGS

A = AUXILIARY BUILDING
B = POWERHOUSE
C = CONTROL BUILDING
D = DIESEL GENERATOR
P = INTAKE PUMPING STATION
R = REACTOR BUILDING
T = TURBINE BUILDING

WELDER ID	STAMP OF WELDER MAKING FINAL WELD

NDE INSPECTION

IDENTIFY TYPE OF INSPECTION PERFORMED
VT = VISUAL INSPECTION
PT = DYE PENETRATION INSPECTION
MT = MAGNETIC PARTICLE INSPECTION
RT = RADIOGRAPHIC INSPECTION
INSP BY = INSPECTORS INTIALS
DATE = DATE OF INSPECTION

TYPE OF WELD

F = FILLET WELD - WELDS FOR CORNER, TEE OR LAP TYPE JOINTS
B = BUTT WELD - GROVE WELDS MATING BUTT TYPE JOINTS
FL = FLANGE WELD - WELDS FOR MATING EDGE JOINTS

DRAWING NUMBER	UNIQUE IDENTIFICATION OF DESIGN DRAWINGS

TYPE OF FITUP

IDENTIFING TYPE OF WELDED DUCT JOINT
ST = JOINT OF STRUCTURAL STEEL COMPONENTS

SYSTEM ID VA = AUXILIARY BUILDING TRAINED AREAS HEATING AND VENLTILATION SYSTEM

FILLER MATRIAL

NM = NON-MAGNETIC
SM = STRONGLY MAGNETIC
WM = WEAKLY MAGNWTIC

REINSPECT RESULT

S = SATISFACTORY
A = CRACKED
B = CONTOUR/TRANSITION
C = OFFSET/ALIGNMENT
D = UNDERCUT
E = REINFORCEMENT
F = WELD SPATTER/ARC STRIKE
G = WELD LOCATION
H = WELD SIZE
I = BASE METAL INDICATIONS
J = WELD CONVEXITY
K = LACK OF FUSION
L = WELD OVERLAP
M = UNDERFILLED
N = SURFACE POROSITY
O = SLAG INCLUSION
P = MISSING WELD
Q = ROUNDED INDICATIONS
T = OVERHEATING
U = IMPROPER PREP. FOR PT OR MT
V = FERRITE
Y = LINEAR INDICATION
W = TOOLING MARKS
= NO DATA

RESOLUTION

A1 = ACCEPTED BY REINSPECTION
A2 = ACCEPTED BY RECONCILIATION
A3 = ACCEPTED BY CHARACTERIZATION
A4 = ACCEPTED BY A3 & A2
A5 = ACCEPTED BY ENGINEERING EVALUATION
A6 = ACCEPTED BY A3 & A5
R1 = WELD REJECTED BY REINSPECTION

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPSECTION NDE							REINSPECTION RESULTS													
											VT		MT/PT			RT		VT		MT/PT			RT									REINSPECTIONS							
UNT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	VA	BLN HV-05	1	SMACNA	8ga	G	DM1VA-09	1VA-MD-3089-A	A		JH	021788						MDD	031688						96.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-02	H					A2	
1	VA	BLN HV-05	2	SMACNA	8ga	G	DM1VA-09	1VA-MD-3089-A	A		JH	021788						MDD	031688						178.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-02	S					A1	
1	VA	BLN HV-05	3	SMACNA	8ga	G	DM1VA-09	1VA-MD-3089-A	A		JH	021788						MDD	031688						30.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-02	H					A2	
1	VA	BLN HV-07	1	SMACNA	8ga	G	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						58.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-06	H					A2	
1	VA	BLN HV-07	2	SMACNA	8ga	G	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						58.09	F	ST	SM	3AW0910-00-18	3AW0642-VA-06	H					A2	
1	VA	BLN HV-07	3	SMACNA	8ga	G	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						24.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-05	H					A2	
1	VA	BLN HV-07	4	SMACNA	8ga	G	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						24.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-06	H					A2	
1	VA	BLN HV-07	5	SMACNA	8ga	O	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						24.00	F	ST	SM	3AW0910-00-18	3AW0642-VA-06	H					A2	
1	VA	BLN HV-07	8	SMACNA	8ga	G	DM1VA-09	1VA-MD-1069-A	A		JH	010488						MDD	031788						24.00	F	ST	SM	3AW0910-06-18	3AW0642-VA-06	H					A2	
1	VA	BLN HV-08	1	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						30.00	F	ST	SM	3AW0910-00-26	3AW0642-VA-10	S					A1	
1	VA	BLN HV-08	2	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						14.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	3	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						30.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-08	4	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						32.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-08	5	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						8.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	6	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	7	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	8	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	9	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032288						5.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	H					A5	

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPSECTION NDE							REINSPECTION RESULTS													
											VT		MT/PT			RT		VT		MT/PT			RT								REINSPECTIONS						RESOLUTION	
UNT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME PT	COMMENTS	SURFACE	VOLUME
1	VA	BLN HV-08	10	SMACNA	0.26	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						6.06	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	11	SMACNA	0.26	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	12	SMACNA	0.26	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						8.06	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	13	SMACNA	0.26	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						30.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	14	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-08	15	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						30.09	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-00	16	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-06	17	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-08	18	SMACNA	0.26	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-06	19	SMACNA	6.28	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-08	20	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						32.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-06	21	SMACNA	0.25	C	DM1VA-11	1VA-MD-2324-B	A		JH	022488						MDD	032268						29.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	1	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						76.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	2	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						15.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	3	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						15.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	4	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						2.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	5	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						2.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	6	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032268						2.00	B	ST	WM	3AW0910-00-28	3AW0642-VA-10	S					A1	

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPSECTION NDE							REINSPECTION RESOLTS												
											VT		MT/PT			RT		VT		MT/PT			RT									REINSPECTIONS					RESOLUTION	
																																SURFACE			VOLUME			
UNIT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	VT	PT	MT	RT	COMMENTS	SURFACE	VOLUME
1	VA	BLN HV-26	7	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032266						2.00	B	ST	WM	3AW0910-00-26	3AW0642-VA-10	S					A1	
1	VA	BLN HV-20	8	SMACNA	22ga	G	DM1VA-11	1VA-MD-2190-B	A		JH	040385						MDD	032266						2.00	B	ST	WM	3AW0910-00-26	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	1	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						36.09	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	2	SMACNA	0.26	C	DM1VA-11	1VA-MD-2285-B	A		JH	042345						MDD	031766						35.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	B					A1	
1	VA	BLN HV-27	3	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						35.09	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	4	SMACNA	0.26	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						35.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	5	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						23.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	6	SMACNA	0.26	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						21.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	7	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						23.06	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	8	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						21.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	9	SMACNA	0.26	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						23.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	10	SMACNA	0.26	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						21.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	11	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						23.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	12	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	042385						MDD	031766						21.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-27	13	SMACNA	0.25	C	DM1VA-11	1VA-MD-2285-B	A		JH	942385						MDD	031766						24.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	1	SMACNA	0.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	042385						MDD	032188						30.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	2	SMACNA	0.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	542385						MDD	032188						23.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-26	3	SMACNA	0.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	042385						MDD	032188						30.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPSECTION NDE							REINSPECTION RESULTS													
											VT		MT/PT			RT		VT		MT/PT			RT								REINSPECTIONS							
UNT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME
1	VA	BLN NV-26	4	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						23.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	B					A1	
1	VA	BLN NV-26	5	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						20.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	6	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						23.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	7	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						20.00	F	ST	SM	3AW0919-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN NV-26	8	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						23.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	9	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						6.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	10	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	11	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						8.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	12	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	13	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						6.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	14	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						8.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	15	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						8.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	16	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-26	17	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0919-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	18	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN NV-26	19	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						8.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	H					A5	
1	VA	BLN HV-26	20	SMACNA	0.25	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						5.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN NV-26	21	SMACNA	0.26	C	DM1VA-11	1VA-MD-2269-B	A		KNC	042385						MDD	032188						35.00	F	ST	SM	3AW0910-06-23	3AW0642-VA-10	S					A1	

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPECTION NDE							REINSPECTION RESULTS													
											VT		MT/PT			RT		VT		MT/PT			RT								REINSPECTIONS						RESOLUTION	
UNT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	LN IN WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	SURFACE	VOLUME
1	VA	BLN HV-26	22	SMACNA	9.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	042385						MDD	032188						35.30	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	23	SMACNA	0.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	042385						MDD	032188						38.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-26	24	SMACNA	0.25	C	DM1VA-11	1VA-MD-2289-B	A		KNC	042385						MDD	032188						38.00	F	ST	SM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-31	31	SMACNA	22ga	G	DM1VA-11	1VA-MD-2360-B	A		KNC	052385						MDD	100187						110.00	B	ST	WM	3AW0910-00-22	3AW0642-VA-10	NP					A2	
1	VA	BLN HV-32	32	SMACNA	22ga	G	DM1VA-11	1VA-MD-2189-B	A		JH	040385						MDD	109187						76.00	B	ST	WM	3AW0910-00-23	3AW0642-VA-10	S					A1	
1	VA	BLN HV-33	A	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						23.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-33	B	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						23.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-33	C	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						23.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-33	D	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						23.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-33	E	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						76.00	B	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-33	F	SMACNA	22ga	G	DM1VA-12	1VA-MD-1532-A	A		JH	032685						MDD	031686						2.90	B	ST	WM	3AW0910-06-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	A	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						33.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	B	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						33.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	C	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						33.00	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	D	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						33.90	FL	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	E	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						108.00	B	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	
1	VA	BLN HV-34	F	SMACNA	22ga	G	DM1VA-12	1VA-MD-1626-A	A		KNC	032685						MDD	031586						22.00	B	ST	WM	3AW0910-00-48	3AW0642-VA-07	S					A1	

BELLEFONTE HVAC DUCT WELDS REINSPECTION
HVAC DUCT WELD LIST & DATA
REINSPECTION SUMMARY

WELD IDENTIFICATION											INSPECTION NDE							REINSPSECTION NDE							REINSPECTION RESULTS											
											VT		MT/PT			RT		VT		MT/PT			RT		LIN IN						REINSPECTIONS					
UNT	SYS	INSPEC PACK # WP-C-	WELD #	CODE CLASS	THICK (IN)	MAT	DUCT MAP#	DUCT SEGMENT #	BLD	WELDER ID	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	INSP BY	DATE	MT/PT	INSP BY	DATE	INSP BY	DATE	WELD INSP	TYPE WELD	TYPE FITUP	WELD METL	PHYSICAL DRAWING NUMBER	DESIGN CRITERIA DIAGRAM	SURFACE VT	SURFACE PT	SURFACE MT	VOLUME RT	COMMENTS	RESOLUTION SURFACE	RESOLUTION VOLUME

WELDS SELECTED = 89

INSPECTIONS

VT= 89

REINSPECTIONS

VT= 89

REINSPECTIONS

EVALUATED - VT = 89

INCHES WELD

REINSPECTED = 2401.00

SURFACE INDICATION SUMMARY		SURFACE INDICATION RESOLUTION	
INDI-CATION	VT	A1	65
A	0	A2	9
B	0	A3	0
C	0	A4	0
D	0	A5	15
E	0	A6	0
F	0	A7	0
G	0	R1	0
H	23		
I	0	TOTAL	89
J	0		
K	0		
L	0		
M	0		
N	1		
O	0		
P	1		
O	0		
T	0		
U	0		
V	0		
Y	0		
W	0		
TOTAL	25		

APPENDIX 3.1

This is the report of the independent overview of reinspection of structural welds made in accordance with the AISC specification.

BECHTEL NATIONAL, INC.
Research and Development
Materials and Quality Services

Letter File No. DCM-048-01

Date April 18, 1988

To: H. Beckner From: D. C. Martin

Location 50/15/A48 Tel. 768-1491

Subject: T R I P R E P O R T

Date of Trip:

Project Name Bellefonte Nuclear Plant
Project No. 18968-806 M&QS Log No. 01352
Project Spec. No. AWS D1.1

From 2/22/88 To 4/15/88

Destination: Scottsboro, Alabama

Copies to: R. A. Manley/F. C. Breismeister
B. D. Hackney/W. C. Plumstead
L. Kneeland, Bechtel N. American Power

Type of Trip:

[ ] Supplier

[X] Client TVA

[ ] Jobsite

PURPOSE OF TRIP:

Overview of reexamination of welds made in accordance with AISC-AWS.

INTRODUCTION/DESCRIPTION OF PROBLEM:

Bechtel was requested to provide a qualified/certified individual to perform an independent overview of the "Welding Project" reexamination of welding performed to AISC-AWS requirements at the Bellefonte Nuclear Plant.

CONCLUSIONS AND RECOMMENDATIONS:

Examinations were performed by Qualified/Certified TVA CWIs. The prescribed procedures were followed. The results of the examinations are correct and properly recorded.

DNE
Welding Project

APR 25 '88

Note		Date
	Roach	
✓	Beckner	5/6
	Hatmaker	
	Montgomery	
	Graves	
	Budde	
	Stache	
✓	Kron	4/29 NO COMMENTS
	Rose	
✓	James	4/5/88
	Crawford	
✓	File	
	Toss	

BLN Reinspection

Form MQS-008-1
Rev. 4 09/87 1059m

BECHTEL NATIONAL, INC.
Research and Development
Materials and Quality Services

Letter File No. DCM-048-01

Date April 18, 1988

To: H. Beckner From: D. C. Martin

Subject: T R I P R E P O R T (continued)

Project Name Bellefonte Nuclear Plant
Project No. 18968-806 M&QS Log No. 01352

PARTICIPANTS:

Name	Company or Project Affiliation and Title
V. Budde	TVA DNE
B. Kron	TVA DNE
R. Latimer	TVA DNQA
D. Martin	Bechtel CWI 80090321

DETAILS OF INVESTIGATION:

The extent of the overview involved 84 TVA work packages involving a minimum of one-third of each TVA CWI's examinations.

The cverview was performed either by:

- o Observing the CWI performing the examination, verifying procedures used and compliance, correct item being examined with drawing prescribed, suitability of examination tools/instruments, accuracy of measurements, readings and settings, proper calibration of equipment and examination coverage.
- o Perform examinations either prior to or after the TVA CWI and comparing results.

The following TVA CWI's certifications were viewed and found current:

Salvador Aquilera	Edgar Benton
Randy Campbell	Max Dishen
Chester Fabbri	Edward Hogen

The 84 work packages contain:

844 welds visually examined =	12355 inches of weld
80 welds magnetic particle examined =	1396 inches of weld
9 stud welded threaded fasteners	

M&QS REPRESENTATIVE:

D Martin

Form MQS-008-1
Rev. 4 09/87 1059m

APPENDIX 3.2

This is the report of the independent overview of reinspection of piping and NF pipe support welds.

BECHTEL NATIONAL, INC.
Research and Development
Materials and Quality Services

Letter File No. MJD-038-01 (Rev.1)

Date April 1, 1988 (4/21/88)

To: H. Beckner From: M. J. Dutra

Location 50/15/A50 Tel. 768-1465

Subject: T R I P R E P O R T

Date of Trip:

Project Name Bellefonte Nuclear Plant
Project No. 18968-806 M&QS Log No. 01352
Project Spec. No. ASME III

From 2-22-88 To 3-30-88

Destination: Scottsboro, AL

Copies to: R. A. Manley/F. C. Breismeister
B. D. Hackney/W. C. Plumstead

Type of Trip:

[ ] Supplier

[X] Client TVA

[ ] Jobsite

PURPOSE OF TRIP:

Overiew of reinspection NDE activities.

INTRODUCTION/DESCRIPTION OF PROBLEM:

Bechtel was requested to provide an NDE Level III to perform an independent overview of the Welding Project reinspection of the components (piping and NF pipe supports) at Bellefonte Nuclear Plant.

CONCLUSIONS AND RECOMMENDATIONS:

A total of approximately 20 percent of piping and Class NF piping support weld examinations were observed. Each technician's work was monitored on several occasions, except for two technicians who were not available for monitoring; however, re-examined approximately 20% of the welds previously examined by these individuals (VT, MT, PT).

The NDE personnel assigned to the reinspection activities displayed an above average knowledge of the particular NDE techniques and procedures employed. Their thoroughness, competence and professionalism is excellent.

There were no disagreements on the interpretation of any of the examination results.

The visual quality of the welds was average to above average.

The generic type weld filler metal was checked by using a magnet and the correct generic type was used in all cases.

BECHTEL NATIONAL, INC.
Research and Development
Materials and Quality Services

Letter File No. MJD-038-01 (Rev.

Date April 1, 1988 (4/21/88)

To: H. Beckner From: M. J. Dutra

Subject: T R I P R E P O R T (continued)

Project Name Bellefonte Nuclear Plant
Project No. 18968-806 M&QS Log No. 01352

PARTICIPANTS:

Name	Company or Project Affiliation and Title
V. Budde	TVA DNE
B. Kron	TVA DNE
R. Latimer	TVA DNQA
M. Dutra	Bechtel NDE Level III

DETAILS OF INVESTIGATION:

NDE personnel certification records were reviewed for R. M. Baxendale, K. J. Caldwell, R. F. Horton, R. W. Pinkard, A. K. Ross, J. A. Smith, D. E. Town and S. E. Varnon. These technicians, with the exception of R. M. Baxendale and S. E. Varnon, were observed performing examinations (VT and/or MT or PT).

R. M. Baxendale and S. E. Varnon were not available for observation therefore, I reexamined approximately 20% of the welds previously examined by these individuals (VT, MT and PT).

The items reexamined ranged from 3/8" diameter to 32" diameter piping welds, vessel welds, pipe support welds and containment liner welds.

Material certifications for the liquid penetrant materials employed were also reviewed and found to be within Code requirements.

M&QS REPRESENTATIVE:

R. Plumstead FOR
M. J. DUTRA

Form MQS-008-1
Rev. 4 09/87 0351s

APPENDIX 3.3

WELDING PROJECT EVALUATION OF DISCREPANT CONDITIONS FOR REINSPECTION OF PIPING WELDS

APPENDIX 3.3

Appendix 3.3 describes the Welding Project evaluation of discrepant conditions identified by surface (visual, penetrant, or magnetic particle) inspection of 72 piping welds.

The following weld attributes were evaluated for the 72 welds:

A. Crack
B. Contour/Transition
C. Offset/Alignment
D. Undercut
E. Reinforcement
F. Weld Spatter/Arc Strike
G. Weld Location
H. Weld Size (Undersize Fillet Weld)
I. Base Metal Indications
J. Weld Concavity or Convexity
K. Lack of Fusion
L. Weld Overlap
M. Underfill
N. Surface Porosity
O. Slag Inclusions
P. Missing Weld
Q. Rounded Indication
T. Overheating
U. Improper Weld Surface Preparation
V. Ferrite
W. Tooling Marks
Y. Linear indication

EVALUATION OF PIPE WELD REINSPECTION RESULTS

References: (1) Welding Project Procedure WP-09 Welding Project Reinspection Plan, Bellefonte Nuclear Plant

(2) Welding Project Procedure WP-10 Procedure for Reconciliation and Evaluation of Reinspection Results - Bellefonte Nuclear Plant

The reinspection program conducted in accordance with Reference 1 identified 72 piping welds with discrepant indications. Results of this reinspection and details of the cause for rejection are contained in reinspection reports prepared for each weld by the NDE inspectors. The results are tabulated in Table 3.4.

Evaluation of the welds was conducted in accordance with the provisions and requirements of Reference 2. It should be noted that the criteria of Reference 2 were developed solely for use in evaluation of the subject reinspection results. The results are tabulated in Table 3.4.

A summary of the evaluation of reported discrepant conditions follows.

A. Cracks

Background Description: Reinspection examinations identified no welds with this discrepancy.

B. Contour/Transition

Background Description: Weld INK0025 was identified with a contour/transition discrepancy by Visual Examination (VT).

Events: Reinspection identified the transition between pipe and fitting ODs as the indication of concern. Sequence Control Chart (SSC) INK-W-002, was used to determine by actual measurement that the indication is an acceptable condition of transition.

Findings: The contour/transition indication is accepted by characterization.

Conclusion: The indication of contour/transition is acceptable and meets code requirements.

C. Offset/Alignment

Background Description: Weld 2VE01605 was identified with an offset/alignment discrepancy by Visual Examination (VT).

Events: Reinspection identified an offset condition at one location between the outside diameters of the pipe and fitting. SCC 2VE-W-019 was used to determine that the offset condition was caused by the elbow O.D. being larger than the pipe O.D. at the identified location and that a similar offset condition exists at the 6:00 position. The OD of the fitting and pipe are in the same plane at the 3:00 position. The fit-up and cleanliness examination performed on 1/03/81

documents acceptable fit-up for this weld.

Findings: Misalignment of piping component outside diameters is not a cause for rejection when acceptable fit-up has been documented. The condition of OD offset is accepted by Evaluation.

Conclusion: The weld is acceptable and meets code requirements.

D. Undercut

Background Description: Welds 1CA00140, 2KE01548G, 2KE02409B, 1SM0074C, and 2VE00575A were identified to have undercut discrepancies by Visual Examination (VT).

Events: Reinspection identified undercut indications for the five welds varying from less than 1/32" to 3/32" deep and from 1/8" long to all around the weld. SCCs were used to obtain additional information for the evaluation of undercut.

Findings: All welds, with the exception of 1SM0074C, were evaluated by engineering calculation to be acceptable. The indications did not encroach on the minimum wall requirements of the piping systems. The undercut indication for welds 1CA00140, 2KE01548G, 2KE02409B, and 2VE00575A are accepted by Engineering Evaluation. Weld 1SM0074C's undercut indication was characterized by SCC 1SM-W-018 to be grinding undercut that requires repair. The repair requirement is noted in Problem Evaluation Report (PER) BLPER930050.

Conclusion: Welds 1CA00140, 2KE01548G, 2KE02409B and 2VE00575A are acceptable and meet code requirements. The undercut indication of weld 1SM0074C is to be repaired to code requirements.

E. Reinforcement

Background Description: The reinforcement indication identified by Visual Examination (VT) is one of multiple descriptions for the same indication and is an inaccurate description of the condition. Based on the description of the indications in reinspection reports weld size (H) or contour/transition (B) is a more appropriate identification of the described condition. Therefore, no welds were evaluated with reinforcement as the discrepant indication. Weld size or contour/transition indications were evaluated.

F. Weld Spatter/Arc Strikes

Background Description: Arc strike indications were identified by reinspection VT examination for welds 1CR00037A, 1KC00888, 1KC01122D, 2KE01584G, 1ND00422, 1NS00054, 2NS00157, 1NV01001S1, 1SM00163D R2, 2VE00293, 2VE00575A, 2FE00906A, 2VE00996, 2VE01605, 1VE01910, 2VE01920, 2VE02080S, 2VE02104A S1, and 2VE02292. Weld spatter was identified for weld 1N600034.

Events: Reinspection identified 19 welds of carbon steel and stainless steel material with one or more arc strike indications and one stainless steel weld with weld spatter. Arc strikes have no

effect on plain carbon steel, stainless steel and nonferrous materials unless cracks or craters result from the arc strike. In that case, evaluation as crack and/or crater would be appropriate. Weld spatter has no effect on the weldment. SCCs were issued to characterize the indications to assure minimum wall thickness had not been violated.

Findings: All welds with arc strikes or weld spatter are accepted by characterization or engineering evaluation. None were found with cracks or craters.

Conclusion: The welds are acceptable and meet code requirements.

G. Weld Locations

Background Description: Reinspection identified no welds with weld location problems.

H. Weld Size

Background Description: Welds 2KE01584G, 2KE02409B, 1VA03644, 1VA03645, 1VA03652, 1VA03653, and 2VE00363 are fillet welds and are identified by VT examination with weld size indications. Other welds with weld size indication identified on the reinspection reports are butt joint welds and are evaluated as contour/transition or underfill conditions.

Event: Reinspection identified weld size condition of undersize for two socket weld joints, one slip-on flange weld and end welds of four plate attachments to pipe.

Findings: All weld size indications, with the exception of the weld size for weld 2KE02409B were evaluated, by engineering calculations, as being acceptable for the design conditions of the systems. The weld size existing for weld 2KE02409B is acceptable for the design pressure and temperature of the system. However, because the weld is undersized for the full circumference of the joint it is required to be repair welded to the required size to assure that the increased stresses of seismic loadings are not a cause of concern. Weld repair is required by PERBL930090.

Conclusion: The weld size for welds 2KE01584G, 1VA03644, 1VA03652, 1VA03653, and 2VE00363 is acceptable by engineering evaluation and meets code. The undersize indication of weld 2KE02409B is to be repaired.

I. Base Metal Indications

Background Description: Welds 2NB00728, 1NS00054, 1ILA052-1-D13 (NV), 1ILA052-1-D14 (NV), and 2VE02087 were identified, by VT, Liquid Penetrant (PT), and Magnetic Particle (MT) examinations, with base metal indications.

Event: Reinspection identified base metal indications of surface marks, gouges and tooling marks located in the pipe wall near the weld joint. SCCs were issued to characterize the base metal indication to assure that the minimum wall thickness of the piping had not been violated.

Finding: The welds with base metal indications were characterized to determine type of indication

and depth into the pipewall for evaluation of wall thickness. The remaining wall thickness, for the identified welds, is adequate for the service conditions. The base metal indications are accepted by characterization.

Conclusion: The base metal indications are acceptable.

J. Weld Concavity or Convexity

Background Description: Reinspection identified no welds with this discrepancy.

K. Lack of Fusion

Background Description: Lack of fusion indications were identified by VT, MT and PT examinations, for welds 1CA00258, 1CA00335, 1NV00728, 1NV01752, 1SM00074C, 1SV00318 S1, 2VE00906A, 2VE00959A, 2VE01864B, 2VE02071A, and 2VE02076 R2.

Events: Reinspection identified 11 welds with indications of lack of fusion in carbon steel and stainless steel welds. All welds were characterized by SCC to determine the extent of the discrepant condition. The indications of lack of fusion were identified to be a variety of items such as grinding marks, configuration problem that was not a fusion defect, overlap, entrapped slag and lack of fusion. Most of the indications were removed by lightly filing with no measurable metal removed, followed by a VT and MT or PT examination confirming removal of the indication. The entrapped slag was removed and with the use of a magnifier it was verified that lack of fusion did not exist in the bottom of the crater. The crater did not encroach on minimum wall thickness. Other welds were re-cleaned and examined by VT and MT or PT confirming no indication of lack of fusion.

Findings: The welds were accepted by reconciliation and/or characterization.

Conclusion: The welds are acceptable and meet code requirements.

L. Weld Overlap

Background Description: Weld overlap indications were identified by reinspection VT examination for welds 1KE04348A, 1ILA054-1-J01F (NV), 1SM00100C, 2VE00278, 2VE00575A, and 2VE00959A.

Events: Reinspection identified six welds with overlap indications in carbon steel and stainless steel welds. Overlap condition is of concern only when it results in lack of fusion or interferes with subsequent NDE. Overlap for which the fusion zone can be seen is acceptable. In all welds fusion was verified to exist.

Findings: All weld overlap indications have no lack of fusion condition and are acceptable by engineering evaluation or characterization.

Conclusion: The welds are acceptable and meet code requirements.

M. Underfill

Background Description: Underfill indications were identified by VT examination for welds 2KE01042 R1, 2KE02280 S1, 1NV00969, 1NV01327, 2VE00959A, 2VE01629, 2VE01920, 2VE02090A and 2VE02147.

Events: Reinspection identified nine welds with underfill indications in carbon steel and stainless steel welds. The extent of the underfill condition was determined from the reinspection data or was characterized by a SCC requesting underfill size and measurement of wall thickness. Calculations were performed to determine if the underfill condition encroaches on the minimum wall thickness.

Findings: All weld underfill indications are acceptable by engineer evaluation.

Conclusion: The welds are acceptable and meet code requirements.

N. Surface Porosity

Background Description: Surface porosity indications were identified for welds 2ILK003-1-A15A T1 (KE), 2KE04256C, 2NBOO728, 1NI00124, 1NS00054, 1SV00318 S1, 2VE00906A, 2VE01039, 2VE01676, 2VE01985 and 2VE02071A.

Event: Reinspection identified 11 welds with porosity indications in carbon steel and stainless steel welds. Surface porosity is rejectable unless the affected weld is further evaluated. Surface porosity indications in welds were characterized using the SCC process. The surface porosity indications were characterized for all welds with the exception of 1NI00124 to be either weld surface irregularity, termination of TIG welding process, punch mark or porosity indications. All indications were removed by lightly filing without loss of a measurable amount of metal. Wall thickness of the weld is unchanged. VT and MT or PT examination were used to confirm removal of the surface porosity indications. Weld 1NI00124 surface porosity indications could not be removed with out loss of weld metal. The weld is rejected by the SCCs VT examination for surface porosity indication. Problem Evaluation Report BLPER930050 has identified the repair requirement.

Findings: The welds, with the exception of 1NI00124, are verified by the SCCs NDE examinations to be free of surface porosity and are accepted by characterization.

Conclusion: The welds, with the exception of weld 1NI00124, are accepted and meet code requirements. Weld 1NI00214 has been identified for repair.

O. Slag Inclusion

Background Description: Reinspection examinations identified no welds with this discrepancy.

P. Missing Weld

Background Description: Reinspection examinations identified no welds with this discrepancy.

T. Overheating

Background Description: Reinspection examinations identified no welds with this discrepancy.

U. Improper Weld Surface Preparation for MT or PT

Background Description: Improper weld surface preparation for PT examination was identified by reinspection for weld 2KE02409B.

Event: Reinspection of the weld identified that the weld surface was unsuitable for Liquid Penetrant examination. SCC-2KE-W-015 confirmed the weld surface as being adequate for an acceptable PT examination after the weld was wire brushed and special care was taken in the cleaning step of the examination. An indication was found and removed by light filing. Removal of the indication was confirmed by an acceptable PT examination.

Findings: The weld surface is rough and would not normally be PT'd in this condition. However, by special care in pre-cleaning and cleaning the weld during the examination process an acceptable PT examination was performed. Weld surface is accepted by characterization.

Conclusion: The surface condition of the weld is acceptable.

V. Ferrite

Background Description: Ferrite indications were identified by magnetic testing of stainless steel welds 2NS00167 R1 and 2NS00225.

Events: Reinspection identified two stainless stcel weld with strong magnetic attraction. Ferrite reading of the stainless steel welds by ferrite scope, were used to evaluate weld metal.

Findings: Delta-Ferrite of welds measured with ferrite scope was 11% and is in the acceptable range. The indications are acceptable based on evaluation.

Conclusion: The strongly magnetic attraction of the welds is acceptable based on acceptable values of Delta-Ferrite readings.

W. Tooling Marks

Background Description: Tooling marks indication were identified by VT examination for weld 2VE01676.

Event: Reinspection identified that tooling marks existed in weld surface and possibly were from a chipping hammer. SCC characterized, by VT examination, the tooling marks to be caused by a chipping hammer and identified them to be irrelevant indications.

Findings: The tooling marks are located in the weld and the SCC examination judged the marks as acceptable indications. The indications are accepted by characterization.

Conclusion: The tooling marks by a chipping hammer did not affect the weld quality. The weld is acceptable as is.

Q&Y.

Rounded and Linear Indications

Background Description: Rounded (Q) and/or linear (Y) indications were identified by reinspection VT and MT or PT examinations for welds 2KE01326 R1, 1NB00936, 1ND00290A, 1NV00473 S1, 1NV00727, 1NV00813, 1NV00823 S1, 1NV00826 U2, 1NV01669, 1NV01747, 1SM00074C, 1SV00318 S1, 2VE01465, 2VE02090A, 2VE02147.

Events: Reinspection identified 15 welds with rounded and/or linear indications in carbon steel and stainless steel welds. The condition of linear indication is unacceptable unless further evaluated. Evaluation procedures reconciled the results of the reinspection to the appropriate time-based criteria for the respective inspection (see Reference 2). The indications accepted by reconciliation were evaluated acceptable based on the criteria in effect at the time of the original inspection. Those not accepted by reconciliation were either cleaned, or the indication removed by light filing without removing a measurable amount of metal (wall thickness was not reduced), and examined by VT and MT or PT. In welds where the wall thickness was questionable, measurements were taken to assure adequate wall thickness remained.

Findings: All welds with rounded and/or linear indication were accepted by reconciliation and/or characterization.

Conclusion: The welds are acceptable and meet code requirements.

APPENDIX 3.4

WELDING PROJECT EVALUATION OF DISCREPANT CONDITIONS FOR REINSPECTION OF WELDED HVAC DUCT SEGMENTS

APPENDIX 3.4

Appendix 3.4 describes the Welding Project evaluation of discrepant conditions identified by surface (visual) inspection of 10 welded HVAC duct segments.

The following weld attributes were evaluated for the 10 welded segments (which included 89 welds):

A. Workmanship
B. Weld Presence
C. Weld Size
D. Weld Length
E. Weld Location
F. Porosity

EVALUATION OF WELDED HVAC DUCT SEGMENT REINSPECTION RESULTS

References: (1) Welding Project Procedure WP-09 Welding Project Reinspection Plan, Bellefonte Nuclear Plant

(2) Welding Project Procedure WP-10 Procedure for Reconciliation and Evaluation of Reinspection Results - Bellefonte Nuclear Plant

The reinspection program conducted in accordance with Reference 1 identified 25 welds in the 10 welded HVAC duct segments that have discrepant indications. Results of this reinspection and details of the cause for rejection are contained in the reinspection reports prepared for each duct segment by the NDE inspectors. The results are tabulated in Table 3.5.

Evaluation of the discrepant duct segment welds was conducted in accordance with the provisions and requirements of Reference 2. It should be noted that the criteria of Reference 2 were developed solely for use in evaluation of the subject reinspection results. The results are tabulated in Table 3.5.

Essentially only two types of welded HVAC duct segments were involved in the weld evaluation effort. these included fire protection duct segments and 3 psi or tornado depressurization ducts. Of these two categories, only the tornado ducts had weld size requirements. Consequently, only the tornado ducts required evaluation for weld size discrepancies. However, all of the HVAC duct welding discrepancies were found acceptable by evaluation.

4.0 BELLEFONTE PROGRAM RESULTS

4.1 Employee Concerns Resolution

The resolution of specific and generic welding related employee concerns for Bellefonte was handled as part of the work of the Employee Concerns Task Group (ECTG) of the Employee Concerns Special Program (ECSP). See Report Number 50200 Rev. 4 submitted by TVA letter dated January 21, 1988, (T25880121997). A listing and summary of generic and specific welding related employee concerns are included in the TVA Welding Project Bellefonte Nuclear Plant Phase I Report (Volume IX).

4.2 Bechtel Audit Conclusions

The independent audit team from Bechtel Power Corporation conducted a formal quality audit of the Bellefonte Welding Program in accordance with the audit plan of Section 2.4 of this report. The audit team did not have any findings, but wrote five observations. Each of the observations was evaluated by the Welding Project and determined to not adversely affect weld quality. The audit team was unable to substantiate any of the employee concerns as valid in application to the Welding program at Bellefonte. The audit confirmed that TVA welding, welding inspection and examination activities were accomplished using qualified and controlled procedures. Welders were qualified and certified in accordance with TVA programs and procedures. Personnel performing weld inspections and examinations were qualified and eertified as required by the TVA program and procedures in addition to industry standards in effect during the respective time period. The audit team also determined that the computer tracking system used for welder continuity is an accurate and efficient system.

4.3 Reinspection Conclusions

Analysis of the reinspection results including the engineering evaluations shows that the Bellefonte Welding Program produced weldments that meet code requirements and/or design allowable stresses for all classes of piping and for structural items except for structural floor framing for the Reactor Buildings, manually welded threaded studs, and miscellaneous structures that have unusual or unique connection details or orientation of structural members. All of the deficient structural items will be evaluated or repaired in accordance with site procedures governing corrective action programs to bring them into compliance with design requirements.

The results of the reinspection show a high percentage of the welds examined were acceptable by reinspection as evidenced by the following tabulation.

ITEM	% ACCEPTABLE BY REINSPECTION	% ACCEPTABLE BY ENGINEERING EVALUATION	% REQUIRING REPAIR
Piping[1]	86.0	13.6	0.4
Ducts[1]	73.0	27.0	0.0
Pipe Supports	97.33	2.67	0.0
Instrumentation Supports	93.36	6.64	0.0
Cable Tray Supports[2]	85.20	12.37	1.97
Conduit Supports	96.61	3.39	0.0
Electrical Equipment Supports	74.86	25.14	0.0
HVAC Supports	85.19	14.81	0.0
Mechanical Equipment Supports	81.52	18.48	0.0
Access Platforms	96.16	3.84	0.0
Floor Framing	64.61	12.26	23.13
Spray Shield & Jet Impingement Barriers[3]	99.53	0.47	0.0
Pipe Whip Restraints	98.24	1.76	0.0
Reactor Building Liner	92.16	7.84	0.0
Refueling Canal & Spent Fuel Pool Liner	81.56	18.44	0.0
Welded Threaded Studs	97.22	0.0	2.78

NOTES:

(1) Piping and duct percentage is based on number of welds. Percentage for all other items is based on inches of weld.

(2) Cable tray supports had 100.76 inches of weld missing which is not included in the pereentages.

(3) Spray shield and jet impingement barriers had 98.50 inches of weld missing which is not included in the percentages.

The overall rate of acceptance of piping welds is 99.6%. There are three piping welds that require repair. One weld had excessive metal removed during the characterization process due to excessive grinding. One weld has surface porosity that could not be removed by light grinding. One weld has an undersize fillet weld connecting a slip-on flange to the pipe wall.

The overall acceptance rate for duct welds is 100%

The overall acceptance rate for welds for all structural items including pipe supports is 98.55% based on inches of weld reinspected.

Once the corrective actions are completed to bring the deviant welds into compliance with design requirements. The welds made by TVA at the Bellefonte site will mcet code and/or stress requirements in accordance with FSAR commitments.

4.4 Recommendations

Based on the information developed during the performance of the Welding Project Phase I and Phase II activities for the Bellefonte Nuclear Plant the following recommendations are being made.

1 - Experienced construction engineers should review all design drawings with welding requirements prior to start of work by crafts to assure that fabrication details can be readily understood and are constructable.
2 - A program should be developed to review the work of inspectors on a regular basis to assure that proper inspections are being performed and that the intent of the designer is understood and constructed.
3 - Engineers involved in the actual designs should, on a regular basis, review the actual installed/constructed weldments to assure that the constructing organization is properly implementing the designs.
4 - For future work, manually welded studs used in safety related applications should be covered by the weld monitoring APC card system rather than by weld assignment sheet.

4.5 Conclusions

The Welding Project review of welding related licensing commitments, design output documents, construction procedures, QA procedures, and an independent contractor audit have demonstrated that the TVA program for welding at the Bellefonte site is an acceptable program which meets licensing commitments. The review also determined that program implementation deficiencies occurred in the welding and inspection of Reactor Building floor framing welds, a Reactor Building cable tray support weld, manually welded threaded stud welds, Control Building spreading room cable tray support welds and a Reactor Building jet impingement barrier. The Welding Project has determined that each of these deficiencies occurred as isolated instances and that the deficiencies identified did not indicate a pervasive breakdown in the program. Once the corrective actions are completed for these deficiencies the TVA welding at the Bellefonte site will meet licensing commitments.

Attachment A

This is the Welding Project Procedure WP-09 "Welding Project Reinspection Plan - Bellefonte Nuclear Plant"

TVA

WELDING PROJECT

PROJECT PROCEDURE

NO. WP-09

TITLE: WELDING PROJECT REINSPECTION PLAN

BELLEFONTE NUCLEAR PLANT

	REVISION RO	R1	R2	R3	R4	R5
	DATE 10/01/86	9/3/87	9/17/87	10/2/87		
PREPARED	10/1/86	9/3/87	9/17/87	10/6/87		
APPROVED	10/1/86	CWH 9/3/87	CWH 9/17/87	CWH 10/6/87		
APPROVED	10/1/86	HSB 9/3/87	HSB 9/17/87	HSB 10/6/87		

BELLEFONTE NUCLEAR PLANT

WELDING PROJECT REINSPECTION PLAN

REVISION 2

Preparer	9/17/87 Date
Welding Project Engineer	9-17-87 Date
BLEP Project Engineer	9-17-87 Date

REVISION 3

Preparer	10/1/87 Date
for Welding Project Engineer	10/1/87 Date
BLEP Project Engineer	10/1/87 Date

REVISION 1

Preparer	9/3/87 Date
Welding Project Engineer	9/3/87 Date
BLEP Project Engineer	9/3/87 Date

REVISION 0

Preparer	10/1/86 Date
Welding Project Engineer	10/1/86 Date
BLEP Project Engineer	10/1/86 Date

096272.01

DIVISION OF NUCLEAR ENGINEERING
WELDING PROJECT
PROJECT MANUAL

Revision	Date	Purpose and Scope of Change
0	10/1/86	Initial issue of WP Manual
1	9/3/87	General revision and incorporation of NRC comments from site visit during the week of August 17-21, 1987.
2	9/17/87	Change reinspection procedure and forms for AISC supports, pages 9 and 10 and Attachments 4 and 5.
3	10/2/87	Change reinspection procedures for liquid penetrant and magnetic particle examinations, Attachments 8 and 9.

WELDING PROJECT
PHASE 2, PART 2
BELLEFONTE REINSPECTION OF SELECTED WELDS

REINSPECTION PLAN

OBJECTIVE

The objective of the program described in this reinspection plan is to provide additional data addressing the adequacy of the Bellefonte weld program and to provide indicators regarding the suitability of welding in relation to continued construction and licensing the BLN units and to address nonspecific employee concerns related to welding.

BACKGROUND

Employee concerns from Watts Bar have possible generic implications to the Bellefonte plant. Some of these concerns relate to: quality of weld filler materials, control of weld filler materials, welder qualifications, inspector qualifications, falsification of records, weld adequacy, and record keeping. A reinspection of hardware to design requirements and comparison to the records package cuts across these and other issues to address the concerns and the welding program adequacy. Nonspecific employee concerns are best addressed by reestablishing confidence in the original programs. Inadequacies in the welding program in the areas of these concerns would be reflected in the hardware quality and the relevant records. Due to an employee concern about the quality of TVA butt welds in duct work made from spiral welded pipe at Watts Bar Nuclear Plant and its subsequent investigation, TVA will reexamine a portion of a like system at BLN to verify that field welded joints meet the design requirements.

A review of the items reinspected at Watts Bar was performed to assure that all general and special populations were considered in selecting items to be reinspected at Bellefonte. Additionally the Lessons Learned from Watts Bar were considered in selecting items to be reinspected at Bellefonte.

Due to normal construction sequence at a job site, the selection of different systems at various elevations and various units of the plant will cut across different timeframes of plant construction. The reinspection effort will include only work performed by Construction since no modifications have been performed by Nuclear Operations on safety related systems or components.

SCOPE

The reinspection of the safety-related features described in the groups below addresses the concerns described above for various installation crafts and various timeframes and encompasses the general and special populations identified at Watts Bar. It will also provide data to determine if problem areas (lessons learned) identified at Watts Bar exist at Bellefonte.

1. Selected process and instrumentation piping and attachment welds in ASME Class 1, 2, 3, and MC, and ANSI B31.1 safety related systems at various units and elevations in the Reactor, Auxiliary, Control, and Diesel Generator Buildings, and in the ERCW pumping station. The sample will include carbon and stainless steel piping components.

SCOPE (Continued)

2. Welds of supports for piping and instrumentation lines for the classes identified in Group 1 above (applicable weld criteria-ASME-NF or AISC as appropriate).
3. Welds of cable tray supports, conduit supports, and electrical components and mountings.
4. Structurally significant welds on miscellaneous and/or structural steel in the Reactor, Control, Auxiliary and Diesel Generator Buildings, and in the ERCW pumping station.
5. HVAC support welds in the Reactor, Control, Auxiliary, and Diesel Generator Buildings and in the ERCW pumping station.
6. Welded ductwork either rectangular or round pipe welded by TVA.
7. Reactor building containment liner welds made to the requirements of specification N4C-871.
8. Threaded studs attached by the automatic, timed arc welding process.
9. Stainless steel liner plate in the fuel pools and transfer canal.

Welds to be reinspected will be as designated by the Welding Project from the categories and locations as listed in Groups 1 thru 9 above. Additional welds in other plant features may also be selected for reinspection at the option of the Welding Project. Weld selection will utilize BLN's computerized weld and component accountability program to the maximum extent practical to provide random selection of reinspection items. The scope of this reinspection is limited to visual, surface (magnetic particle or liquid penetrant) methods, torque test, and review of radiographic film.

SCOPE (Continued)

The reinspections to be performed are, as a minimum, those given in the Criteria section of this plan. Any additional inspections or examinations required of completed welds by applicable drawings shall be performed unless exceptions are identified in this work plan. It is not the intent of this work plan to require reinspection by any method not explicitly required by applicable codes, specifications, and drawings. It is not the intent of this work plan to re-perform any volumetric examination or vacuum box leak testing. When welds which received radiography at installation are selected for reinspection, a review of radiographic film for conformance to applicable criteria will constitute the reinspection. Approximately 400 piping welds, 20 HVAC duct welds, 170 welded structural items, 50 one foot sections of containment liner welds, 10 one foot sections of stainless steel fuel pool and transfer canal liner welds, and 20 threaded studs will be reinspected as outlined in the above Croups 1 through 9. The items to be reinspected will be selected to provide a representative look at each of the above groups to cover work that has been performed during construction. Welds which require removal of supports or equipment for inspection access will be excluded. Any existing coatings will be removed from all welds or portions of weld to be reinspected. For all welds, the generic type, carbon steel as opposed to austenitic stainless steel will be checked by magnetic means.

CRITERIA

All inspections will be conducted in accordance with inspection procedures and the reporting requirements of Table 1. The additional data and exceptions to current criteria as indicated in Attachments 1, 2, 8, and 9 will be used in the review of historical performance of the welding program

CRITERIA (Continued)

at BLN. This review will assess the welding in terms of the acceptance criteria used at the time of acceptance inspection. Any additional examination or reinspection required for finished welds by applicable drawings shall also be performed unless the exception has been identified in this work plan. The following examinations are required inspections in accordance with the code or standard mentioned.

A. ASME Section III, Class 1 Welds

1. All complete penetration circumferential butt welds and welds attaching branch connections larger than 4" nominal pipe size

   method - re-interpretation of radiographic film.

2. All welds in or to Class 1 Systems (including those in A.I above)

   method - PT or MT, and visual examination. The method used (PT or MT) should be that used originally.

B. ASME Section III, Class 2 Welds

1. All complete penetration circumferential butt welds and welds attaching branch connection larger than 4" nominal pipe size.

   method - re-interpretation of radiographic film to N-RT-1(R6) and visual examination.

2. All other welds in or to Class 2 systems

   method - PT or MT, and visual examination

C. ASME Section III Class 3 Welds

1. Circumferential butt welds in pipe greater than 4" nominal pipe size and welds attaching branch connections greater than 4" nominal pipe size.

   method - PT or MT, and visual examination

2. All other welds in or to Class 3 systems

method - Visual examination

D. ASME Section III, Class MC Welds

1. All welds

method - Visual examination and, for welds which were originally examined by MT or PT, a re-examination by that method. For welds which were originally radiographed, a re-interpretation of the film shall be performed.

E. ANSI B31.1 Welds

1. All welds

method - Visual examination

F. Containment Liner Welds

1. Welds which received spot radiography during construction per Construction Specification N4C-871.

method - re-interpretation of radiographic film. Appendix H of Attachment 3 was used for the evaluation of root conditions in these welds and shall be used during reinterpretation.

2. All welds (including those in F.1 above).

method - MT and visual examination

G. Support welds (ASME Section III, NF)

1. All welds

method - Visual examination.

2. Welds which required PT, MT, or RT during construction. (Refer to applicable drawings and construction records.)

   method - PT, MT or re-interpretation of radiographic film as applicable. PT examination of NF class 1 and 2 welds shall include at least 1/2 inch of base material on either side of the weld. Porosity in radiographs shall not be cause for rejection of the weld.

H. Structural and Support Welds (AISC)

1. All welds

   Method - Structural steel and support welds which were fabricated to the AISC specification will be reinspected visually.

   Criteria - Welds meeting the criteria of N-VT-2(R6) for AISC welds are acceptable. The reporting form is included in attachment 2. Note: Additional information as stated in Attachment 2 will be required for certain attributes irrespective of acceptability or unacceptability of the weld.

2. Welds requiring MT or PT examination per applicable drawings

   Method - MT or PT (as applicable).

I. Ductwork Welds

   Method - Perform visual examination

   Criteria - The acceptance criteria for duct welds will be the presence of weld. The reporting form is included in Attachment 2.

J. Stud Welds

Method - Perform torque test as detailed in Attachment 7.

Criteria - Acceptance criteria shall be as stated in Attachment 7.

K. All Welds

The generic filler metal type for all welds will be checked by the use of magnets. The acceptability will be based upon the weld metal being of the correct type; carbon steel (magnetic), stainless steel (not magnetic or slightly magnetic) as appropriate for the materials being joined. The confirmation of generic filler material type does not require a special procedure, as it is an accept/reject test. The results of filler metal type shall be recorded on the respective visual examination records.

Any base material defects found during this reinspection shall be reported via the site QA program requirements but shall not be cause for rejection of the weld to the requirements of this reinspection program.

TABLE 1
WELD PROJECT
BLN WELD REINSPECTION

WORK PLAN
REQUIREMENT

Code	Reinspection Procedure PMP 1502.07	Report Form
ASME III Class 1	N-RT-1 (R6) as amended by Attachment 3	Standard form used in N-RT-1
	N-PT-1 (R7) as modified by Attachment 9	Standard form used in N-PT-1
	N-MT-1 (R5) as modified by Attachment 8	Standard form used in N-MT-1
	N-VT-3 (R8) as modified by Attachment 1	Attachment 1 form
ASME III Class 2 and MC	N-RT-1 (R6) as amended by Attachment 3	Standard form used in N-RT-1
	N-PT-1 (R7) as modified by Attachment 9	Standard form used in N-PT-1
	N-MT-1 (R5) as modified by Attachment 8	Standard form used in N-MT-1
	N-VT-3 (R8) as modified by Attachment 1	Attachment 1 form
ASME III Class 3	N-PT-1 (R7) as modified by Attachment 9	Standard form used in N-PT-1
	N-MT-1 (R5) as modified by Attachment 8	Standard form used in N-MT-1
	N-VT-3 (R8) as modified by Attachment 1	Attachment 1 form
B31.1	N-VT-3 (R8) as modified by Attachment 1	Attachment 1 form
Containment Liner	N-RT-1 (R6) as modified by Attachment 3 including Appendix H	Standard form used in N-RT-1
	N-MT-1 (R5) as modified by Attachment 8	Standard form used in N-MT-1
	N-VT-3 (R8) as modified by Attachment 1	Attachment 1 form
NF Supports	N-RT-1 (R6) as amended by Attachment 3	Standard form used in N-RT-1
	N-PT-1 (R7) as modified by Attachment 9	Standard form used in N-PT-1
	N-MT-1 (R5) as modified by Attachment 8	Standard form used in N-MT-1
	N-VT-3 (R8) as modified by Attachments 1&2	Attachment 2 form
AISC Supports	PT-G-29C P.S.3.C.1.1 (R1)	Attachment 4 form
	MT-G-29C P.S.3.C.2.1 (R3)	Attachment 5 form
	N-VT-2 (R6) as amended by Attachment 2	Attachment 2 form

R2

Special Reinspections not included with PMP procedures

Duct Welds	Weld Presence	Attachment 2 form
Stud Welds	Torque Test of Attachment 7	Attachment 7 form
Reinspection Records	Weld discrepancies identified in the reinspection shall be noted on Attachment 6 form	

REINSPECTION PERSONNEL

For visual inspection of AISC structural and support welds, inspection personnel shall be AWS-Certified Welding Inspectors (CWIs). The CWIs will be from TVA's Procurement Quality Assurance Branch (Vendor Surveillance). For MT or PT examination of AISC structural and support welds, performance of the examination shall be by DNQA Level 2 inspectors with evaluation and acceptance/rejection performed by a CWI. For piping and ASME NF support welds, inspection personnel shall be qualified in accordance with SNT-TC-1A or equivalent (certification program for visual patterned after the format for NDE established in SNT-TC-1A) Level II or III. R2 R2

QUALITY ASSURANCE

Overview of this reinspection effort will be provided by a person or persons independent of TVA who have current certification as AWS Certified Welding Inspectors (CWIs) for structural steel, AISC supports, studs, and duct and SNT-TC-1A Level III for piping, containment penetrations (Class MC), and ASME NF support welds. The independent inspector(s) will provide a written report to the Welding Project Engineer summarizing the overview activity and their concurrence or reason for disagreement with the results.

RECORDS

For each weld there will be a record of acceptability as to presence, size, length, location of defects, and the generic type of filler metal. Weld discrepancies shall additionally be reported on a Weld Discrepancy Report (attachment 6).

PLANT SAFETY & SECURITY

Plant safety and security procedures shall apply.

DISCREPANT CONDITION EVALUATIONS AND DISPOSITIONS

Discrepancies will be documented on attached forms and in accordance with the TVA quality assurance program and dispositioned by the design organization using engineering justification for "use as-is" dispositions or to provide corrective action. Determination of generic importance of discrepancies to the welding program will be performed by the Welding Project and adjustments in scope of reinspection and/or project specific programs will be developed to address concerns. The NRC will be notified immediately if significant discrepancies are identified during the reinspection and/or evaluations. Root causes will be investigated and actions to prevent recurrence will be implemented. All defects which require design disposition will be reported along with the ultimate disposition and the findings and actions taken will be included in the Phase 2 Final Report.

INSPECTION REPORT

The results of this reinspection will be forwarded to TVA Management and will subsequently be included in the overall report on the Welding Project activities on BLN to be submitted to the NRC.

Attachment 1

Exceptions to N-VT-3(R8) for reinspection of piping and ASME NF support welds are tabulated below:

1. Para 8.2.1.2 - The provisions for relevance of indications in ASME NF supports do not apply. All indications in NF support welds shall be considered relevant.

2. Para 8.2.2.4 - The provisions of this paragraph for O.D. concavity in autogenous welds do not apply. Reinforcement criteria for autogenous welds shall be the same as for other piping butt welds.

3. Figure 5, detail (c) and notes to Figure 5 - The minimum weld size for socket weld fittings shall be as indicated in detail(b), i.e. 1.09+ <u>but not less than 1/8"</u>.

4. Documentation of pipe weld examinations shall be on the attached form. Documentation of NF support welds shall be on the form included with Attachment 2.

5. A magnetic check is to be performed by touching a small permanent magnet to the weld deposit and noting whether the weld deposit is strongly magnetic, weakly magnetic, or non-magnetic.

6. Base material defects, judged not to be the result of welding, shall be reported and handled separately via site QA requirements.

ATTACHMENT 1

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV___	WELD/ITEM NO. _____ Page_____ of_____

RECORD OF VISUAL WELD REEXAMINATION

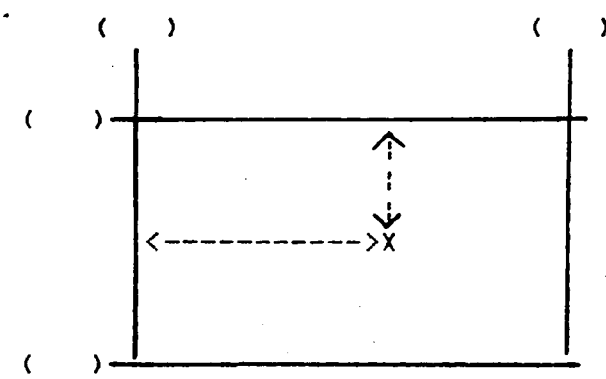
PROCEDURE NO. N-VT- , REV_____

REF. DRAWING_____

ITEM/SYS. DESCRIP._____

CRITERIA	WELD NO. _____ _____ ACC.REJ.NA
WELD DEFECTS	
CRACKS	
OVERLAP	
LACK OF FUSION	
INCOM PENETRA	
SLAG	
POROSITY	
CONTOUR/TRANSITION	
OFFSET/ALIGNMENT	
UNDERCUT	
REINFORCEMENT	
WELD SIZE	
SPATTER/ARC STRIKES	
BASE METAL	O STAINLESS O CARBON O ALUMINUM O OTHER
WELD TYPE	O BUTT O SOCKET O FILLET O AUTOGEN O SOC-O-LET O WEL-O-LET O OTHER
COMPONENT	O P TO P O P TO F O P TO V O F TO F O F TO V O A TO P O F TO V
WELD METAL (MAGNETIC ATTRACTION)	O NONE O STRONG O WEAK

LOCATION



BLDG _____ UNIT _____

FLOOR EL. _____

APPROX WELD EL. _____

NOTE : DESCRIBE REJECTABLE CONDITION(S) IN DETAIL WITH NOTES AND SKETCHS ON ATTACHED PAGE

EXAMINED BY:_____ LEVEL____ DATE_____

RECORDED BY:_____ DATE_____

RRS1A

ATTACHMENT 1

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV___	WELD/ITEM NO. _____ Page_____ of____

RECORD OF VISUAL WELD REEXAMINATION

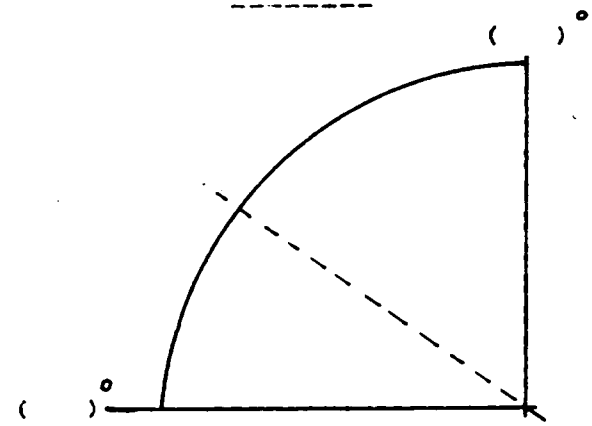
PROCEDURE NO: N-VT- , REV_____

REF. DRAWING_____

ITEM/SYS. DESCRIP._____

CRITERIA	WELD NO. _____ ACC.REJ.NA
WELD DEFECTS	
CRACKS	
OVERLAP	
LACK OF FUSION	
INCOM PENETRA	
SLAG	
POROSITY	
CONTOUR/TRANSITION	
OFFSET/ALIGNMENT	
UNDERCUT	
REINFORCEMENT	
WELD SIZE	
SPATTER/ARC STRIKES	
BASE METAL	O STAINLESS O CARBON O ALUMINUM O OTHER
WELD TYPE	O BUTT O SOCKET O FILLET O AUTOGEN O SOC-O-LET O WEL-O-LET O OTHER
COMPONENT	O P TO P O P TO F O P TO V O F TO F O F TO V O A TO P O F TO V
WELD METAL (MAGNETIC ATTRACTION)	O NONE O STRONG O WEAK

LOCATION



BLDG _____ UNIT ____

FLOOR EL. _____

APPROX WELD EL. _____

NOTE : DESCRIBE REJECTABLE CONDITION(S) IN DETAIL WITH NOTES AND SKETCHS ON ATTACHED PAGE

EXAMINED BY: _____ LEVEL____ DATE_____

RECORDED BY: _____ DATE_____

RRS1B

ATTACHMENT 1

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV____	WELD/ITEM NO. _____ Page_____of___

RECORD OF WELD REEXAMINATION
CONTINUATION SHEET

PROCEDURE NO. , REV_____
REF. DRAWING_____
ITEM/SYS. DESCRIP._____

SKETCH/NOTES:

EXAMINED BY:_____DATE_____
RECORDED BY:_____DATE_____

ATTACHMENT 2

Exceptions to N-VT-2(R6) for reinspection of structural welds and N-VT-3(R8) for NF supports are tabulated below:

AISC AND NF

Inspect and accept/reject for all attributes on the documentation form included in this attachment.

The inspector should attempt to manually remove or have removed surface slag prior to rejecting a weld for slag.

The magnetic check is to be performed by touching a small permanent magnet to the weld deposit and noting whether it is strongly magnetic, weakly magnetic, or non-magnetic.

AISC

A. The following information is to be reported, irrespective of the acceptability or unacceptability of a weld to the criteria of N-VT-2(R6):

   1. The length of any undercut of less than 1/32 inch depth but greater than 0.010 inch depth when such undercut is oriented transverse to the primary tensile stress.

ATTACHMENT 2

AISC

2. The size and number of pores in complete penetration groove butt welds oriented transverse to the direction of computed tensile stress.

3. The length of fillet weld having a convexity exceeding the quantity 0.1 times the size of the weld plus 0.03 inch.

4. The length of fillet weld exceeding the specified size by more than 3/16 inch.

ATTACHMENT 2

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV___	WELD/ITEM NO. _____ Page___of___

RECORD OF VISUAL WELD REEXAMINATION

PROCEDURE NO. N-VT- , REV_____
REF. DRAWING_____
ITEM/SYS. DESCRIP._____
STRUCTURE TYPE O NF O AISC O OTHER _____

CRITERIA	WELD NO.	WELD NO.	WELD NO.	WELD NO.
	ACC.REJ.NA	ACC.REJ.NA	ACC.REJ.NA	ACC.REJ.NA
WELD CRACKS				
WELD SIZE				
INCOMP FUSION				
WELD OVERLAP				
UNDERCUT				
CONVEXITY				
SURF POROSITY				
ARC STRIKES				
CRATERS				
LENGTH/LOCA				
SURFACE SLAG				
WELD SPATTER				
WELD SIZE(in.)				
WELD LENGTH(in.)				
WELD METAL (MAGNETIC ATTRACTION)	O NONE O STRONG O WEAK	O NONE O STRONG O WEAK	O NONE O STRONG O WEAK	O NONE O STRONG O WEAK
BASE METAL	O STAINL O CARBON	O STAINL O CARBON	O STAINL O CARBON	O STAINL O CARBON
PAINT REMOVED	O YES O NO O NA	O YES O NO O NA	O YES O NO O NA	O YES O NO O NA
WELD TYPE				
PT, MT, UT, RT REQUIRED	O NO O YES TYPE	O NO O YES TYPE	O NO O YES TYPE	O NO O YES TYPE
BUILDING FLOOR ELEV				

NOTE: DESCRIBE REJECTABLE CONDITION(S) IN DETAIL ON ATTACHMENT

EXAMINED BY: _____ LEVEL_____ DATE_____
RECORDED BY: _____ DATE_____

ATTACHMENT 2

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV____	WELD/ITEM NO. _____ Page_____of___

RECORD OF WELD REEXAMINATION
CONTINUATION SHEET

PROCEDURE NO. , REV_____
REF. DRAWING_____
ITEM/SYS. DESCRIP._____

SKETCH/NOTES:

EXAMINED BY:_____DATE_____
RECORDED BY:_____DATE_____

TABLE 2
PENETRAMETER SELECTION TABLE

Class	Code	Applicable Section of ASME Code	Single Wall Exposure	Double Wall Exposure
1,2,3,CS	ASME III NB,NC,ND VIII Divisions 1 and 2	V Article 2	Table 4	Table 6
MC	ASME III NE	ASME III, Appendix X	Table 5	Table 5
--	ANSI B31.1 ASME I, III NF	V Article 3	Table 3	Table 3
Liner	TVA M4C-871 ASME III CC	V Article 3[1], Appendix H of this specification	Table 3	NA

[1] Penetrameters used for radiography of liner plates may be in accordance with Figure A2.

TABLE 3

THICKNESS, PENETRAMETER DESIGNATIONS, AND ESSENTIAL HOLES FOR SINGLE-WALL RADIOGRAPHIC TECHNIQUE

Applicable to ANSI B31.1*, ASME I*, III (NF), III (Division 2), and TVA N4C-871 (ASME III, CC)*, **

Single-Wall Material Thickness Range, (Inches)	Penetrameter			
	Source Side		Film Side	
	Desig	Essential Hole	Desig	Essential Hole
Up to 1/4 inclusive	10	4T	7	4T
Over 1/4 through 3/8	12	4T	10	4T
Over 3/8 through 1/2	15	4T	12	4T
Over 1/2 through 5/8	15	4T	12	4T
Over 5/8 through 3/4	17	4T	15	4T
Over 3/4 through 7/8	20	4T	17	4T
Over 7/8 through 1	20	4T	17	4T
Over 1 through 1-1/4	25	4T	20	4T
Over 1-1/4 through 1-1/2	30	2T	25	2T
Over 1-1/2 through 2	35	2T	30	2T
Over 2 through 2-1/2	40	2T	35	2T
Over 2-1/2 through 3	45	2T	40	2T
Over 3 through 4	50	2T	45	2T
Over 4 through 6	60	2T	50	2T
Over 6 through 8	80	2T	60	2T
Over 8 through 10	100	2T	80	2T
Over 10 through 12	120	2T	100	2T
Over 12 through 16	160	2T	120	2T
Over 16 through 20	200	2T	160	2T

*Penetrameters shall be as specified in this table for either single or double well radiography.

**Penetrameters used for radiography of liner plates may be in accordance w Figure A2.

TABLE 4

THICKNESS, PENETRAMETER DESIGNATIONS, AND ESSENTIAL HOLES FOR SINGLE-WALL RADIOGRAPHIC TECHNIQUE*

Applicable to ASME III (NB, NC, ND) ASME VIII

Single-Wall Material Thickness Range (Inches)	Penetrameter			
	Source Side		Film Side	
	Desig	Essential Hole	Desig	Essential Hole
Up to 1/4 inclusive	5	4T	5	4T
Over 1/4 through 3/8	7	4T	7	4T
Over 3/8 through 1/2	10	4T	10	4T
Over 1/2 through 5/8	12	4T	12	4T
Over 5/8 through 3/4	15	4T	12	4T
Over 3/4 through 7/8	17	4T	15	4T
Over 7/8 through 1	20	2T	15	2T
Over 1 through 1-1/4	25	2T	17	2T
Over 1-1/4 through 1-1/2	30	2T	20	2T
Over 1-1/2 through 2	35	2T	25	2T
Over 2 through 2-1/2	40	2T	30	2T
Over 2-1/2 through 3	45	2T	35	2T
Over 3 through 4	50	2T	40	2T
Over 4 through 6	60	2T	45	2T
Over 6 through 8	80	2T	50	2T
Over 8 through 10	100	2T	60	2T
Over 10 through 12	120	2T	80	2T
Over 12 through 16	160	2T	100	2T
Over 16 through 20	200	2T	120	2T

*For double wall exposure, single or double well viewing, use Table 6 for penetrameter and essential hole selection.

TABLE 5
STANDARD PENETRAMETER SIZES
FOR ASME SECTION III, NE CLASS MC

Weld Thickness[1] Range, Inches	Thickness of Penetrameter on Source Side, Inch	Designation on Penetrameter	Thickness of Penetrameter on Film Side, Inch	Designation on Penetrameter
Up to 1/4 inclusive	0.005	5	0.005	5
Over 1/4 thru 3/8	0.0075	7	0.0075	7
Over 3/8 thru 1/2	0.010	10	0.010	10
Over 1/2 thru 5/8	0.0125	12	0.010	10
Over 5/8 thru 3/4	0.015	15	0.012	12
Over 3/4 thru 7/8	0.0175	17	0.015	15
Over 7/8 thru 1	0.020	20	0.017	17
Over 1 thru 1-1/4	0.025	25	0.020	20
Over 1-1/4 thru 1-1/2	0.030	30	0.025	25
Over 1-1/2 thru 2	0.035	35	0.030	30
Over 2 thru 2-1/2	0.040	40	0.030	30
Over 2-1/2 thru 3	0.045	45	0.035	35
Over 3 thru 4	0.050	50	0.040	40
Over 4 thru 6	0.060	60	0.050	50
Over 6 thru 8	0.080	80	0.060	60
Over 8 thru 10	0.100	100	0.080	80
Over 10 thru 12	0.120	120	0.100	100
Over 12 thru 16	0.160	160	0.120	120
Over 16 thru 20	0.200	200	0.160	160

[1] Including any weld reinforcement or backing strip thickness, if not removed. In the case of double wall tube radiography, the thickness of the weld next to the film.

[2] The images of the identifying numbers of the penetrameter outline and of the 2T hole are all essential indexes of image quality on the radiograph, except that for penetrameters 5, 7, and 10, the slit shall appear clearly; and the hole need not appear.

TABLE 6

THICKNESS, PENETRAMETER DESIGNATIONS, AND ESSENTIAL HOLES FOR DOUBLE-WALL RADIOGRAPHIC TECHNIQUE

(For ASME Section III, NB, NC, ND; ASME Section VIII)

Nominal Single-Wall Material Thickness Range Inches	Penetrameter Film or Source Side	
	Designation	Essential Hole
0 through 0.375	10	4T
Over 0.375 through 0.625	12	4T
Over 0.625 through 0.875	15	4T
Over 0.875 through 1.00	17	4T
Over 1.00 through 1.50	25	2T
Over 1.50 through 2.50	30	2T
Over 2.50 through 3.00	35	2T
Over 3.00 through 4.00	40	2T
Over 4.00 through 6.00	50	2T

APPENDIX A

PENETRAMETER REQUIREMENTS

1. Penetrameters shall be procured to Purchase Specification PP-1058 which meets the requirements of ASME SE-142, which is identical to ASTM E 142, 1977. In addition penetrameters 5 through 10 may be procured to the requirements of ASME, Section III, Appendix X.

2. Penetrameters shall be fabricated of radiographically similar material to the weld material or weld metal to be examined. Radiographically similar material is a material or alloy having the same radiation absorption as that being examined.

3. Penetrameters shall be fabricated in accordance with Figure A1 and/or A2 as applicable.

4. Penetrameters shall be identified by permanently attached lead numbers at least 3/32-inch wide. The numbers shall indicate the penetrameter thickness in accordance with Table A1 in thousandths of an inch.

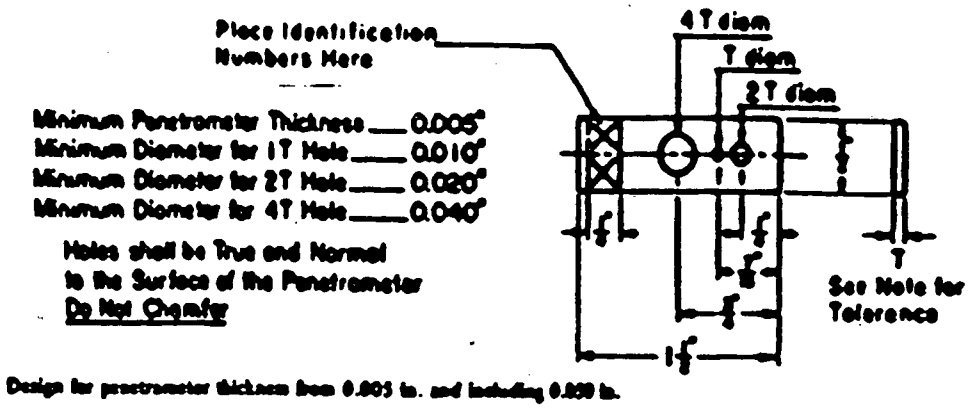
5. Penetrameters which otherwise conform to the requirements of this specification method, but do not have the proper identification, may be used provided the lead numbers indicating penetrameter thickness are placed adjacent to the penetrameter.

TABLE A1

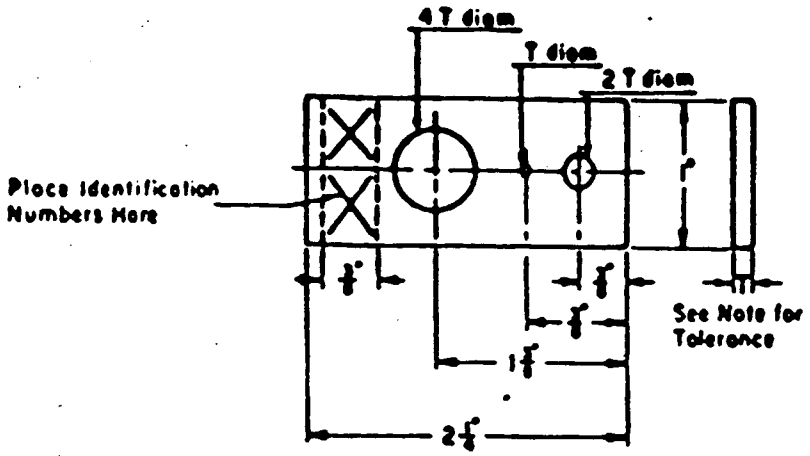
PENETRAMETER DESIGNATION AND ESSENTIAL HOLES

Penetrameter Designation	Penetrameter Thickness	1 T Hole Diameter	2 T Hole Diameter	4 T Hole Diameter
5	0.005	0.010	0.020	0.040
7	0.007	0.010	0.020	0.040
10	0.010	0.010	0.020	0.040
12	0.012	0.012	0.025	0.050
15	0.015	0.015	0.030	0.060
17	0.017	0.017	0.035	0.070
20	0.020	0.020	0.040	0.080
25	0.025	0.025	0.050	0.100
30	0.030	0.030	0.060	0.120
35	0.035	0.035	0.070	0.140
40	0.040	0.040	0.080	0.160
45	0.045	0.045	0.090	0.180
50	0.050	0.050	0.100	0.200
60	0.060	0.060	0.120	0.240
80	0.080	0.080	0.160	0.320
100	0.100	0.100	0.200	0.400
120	0.120	0.120	0.240	0.480
160	0.160	0.160	0.320	0.640
200	0.200	0.200	0.400	0.800

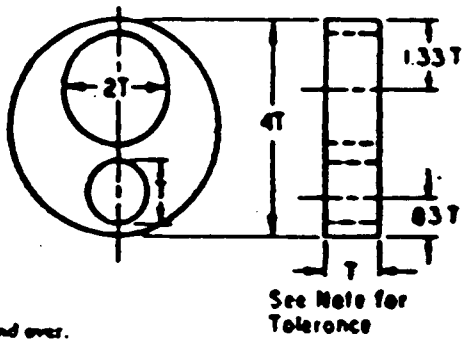
APPENDIX A (Continued)



Design for penetrometer thickness from 0.005 in. and including 0.020 in.



Design for penetrometer thickness from 0.060 in. to 0.160 in. incl.
Made in 0.010-in. increments.

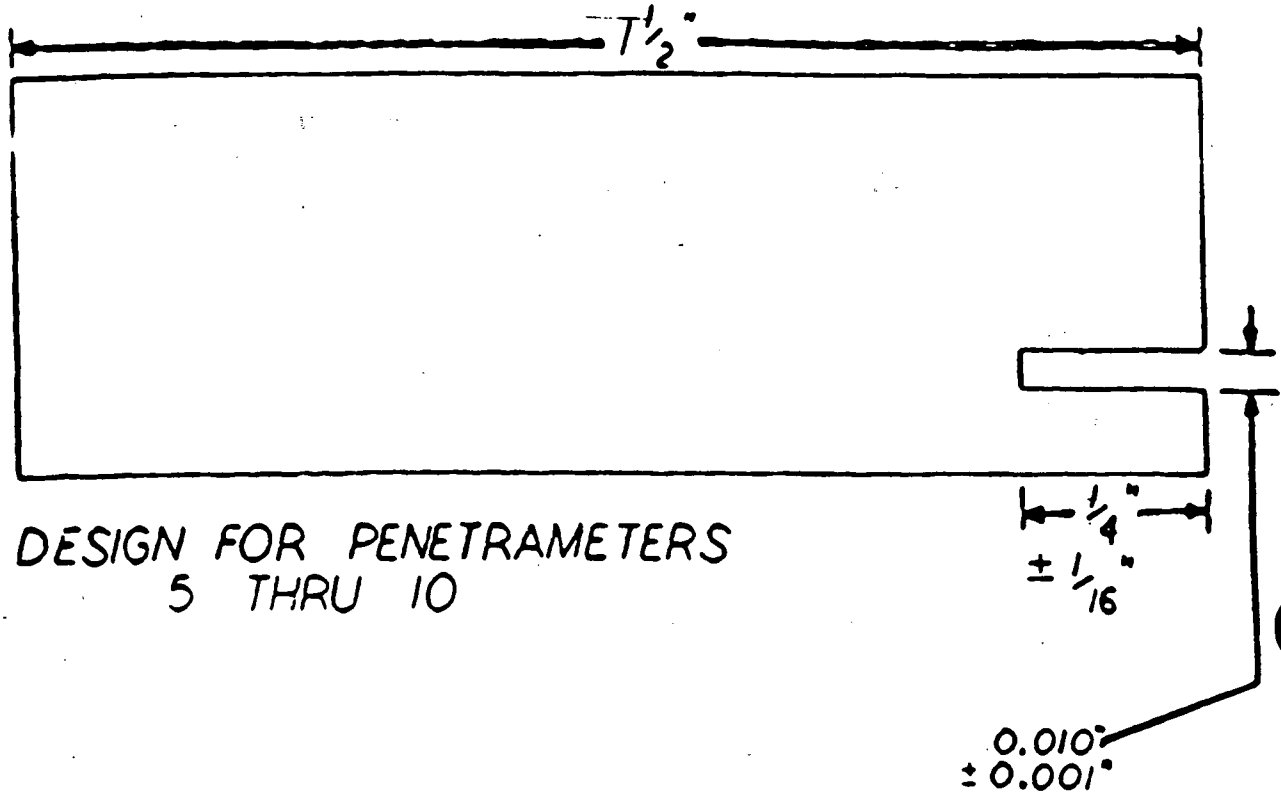


Design for penetrometer thickness of 0.180 in. and over.
Made in 0.020-in. increments.

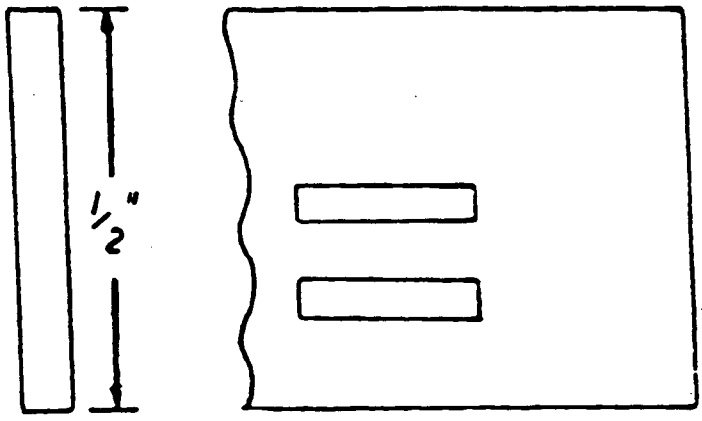
Note 1 – Tolerances on penetrometer thickness and hole diameter shall be ±10 % or one half of the thickness increment between penetrometer sizes, whichever is smaller.

FIGURE A1. PENETRAMETER DESIGN

APPENDIX A (Continued)



DESIGN FOR PENETRAMETERS
5 THRU 10



ALTERNATE SLIT LOCATIONS

NOTE: ALL OTHER PENETRAMETER DIMENSIONS SHALL BE IN ACCORDANCE WITH APPEND

FIGURE A2. PENETRAMETER DESIGN - LINER PLATES

APPENDIX B

BELLEFONTE NUCLEAR PLANT DENSITY REQUIREMENTS

Applicable Codes	RT Performed Per	Minimum Density for Single Film Viewing	Minimum Density for Composite Viewing	Maximum Density for Single or Double Film Viewing
ASME III NB, NC, ND VIII DIVISIONS 2 AND 2	Section V Article 2	2.0	2.6*	3.8
Linear plate (TVA N4C-871) ASME I, III NF, III Division 2 ANSI B31.1	Section V Article 3	1.3	1.8	3.8
NE	Appendix X	1.3	1.8	No maximum

*Each radiograph of a composite set shall have a minimum density of 1.3.

APPENDIX B

ACCEPTANCE CRITERIA FOR ROOT CONDITIONS IN BACKING RING WELDS

1.0 Scope

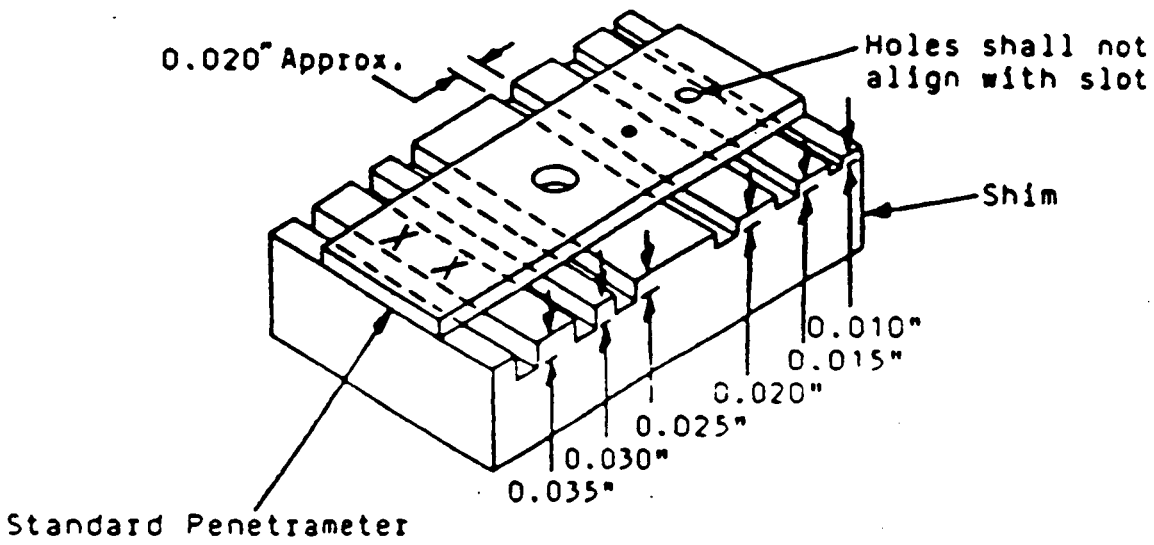
1.1 This appendix will not be used unless invoked by OE. The criteria specified in this appendix shall be used when interpreting radiographs of backing ring welds when such radiographs show indications that can be attributed to a condition along the root of the weld. This criteria shall apply only to such root conditions and indications accepted must be clearly identifiable to this area.

2.0 The film interpreter shall record which figure most closely represents the weld root condition shown on the radiograph. The completed joint is then ajudged acceptable or unacceptable according to the acceptance criteria of this procedure.

3.0 The following figures show shim geometry and diagrams of root conditions most commonly found in backing ring welds.

3.1 Figure 1 gives the size and location of the grooves in the shim. This appendix provides the limits for undercuts or depressions allowed in a weld. The interpreter must evaluate the depth of a depressed area by visually comparing the density of the image of the grooves with the density of the depressed weld area.

3.1.1 The penetrameter should be positioned as shown in the diagram to avoid distortion of required sensitivity. If an ungrooved shim is inadvertently used and the weld does not contain any questionable root conditions, use of the ungrooved shim shall not be cause for rejection the radiographs.



APPENDIX H (Continued)

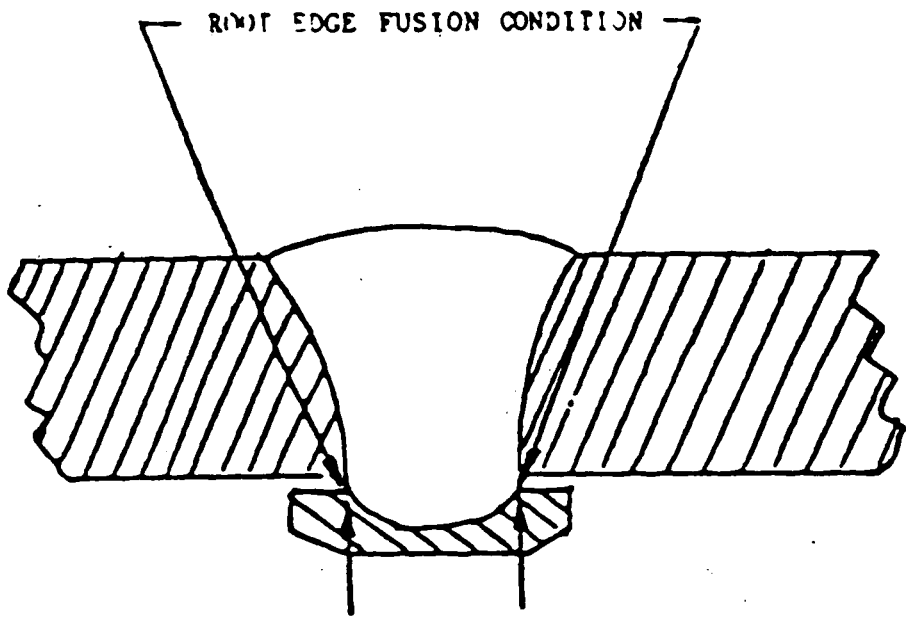
ACCEPTABLE WELD JOINT

3.2 Weld Root

The weld joint illustrated in Figure 2 meets the requirements of this procedure. The weld metal is fused to the backing ring and fills the root gap without any harmful depressions, grooves, etc.

3.2.1 Description of Radiograph

Because the root face is free of depressions, grooves, etc., just two different photographic densities are apparent; the lighter density of the weld deposit contrasts with the darker base metal. The line of demarcation between the two areas is usually distinctive, but normally not straight.



CHANGE IN DENSITY OF IMAGE
OCCURS HERE AS A RESULT
OF ROOT EDGE FUSION

FIGURE 2 - ACCEPTABLE WELD JOINT

APPENDIX H (Continued)

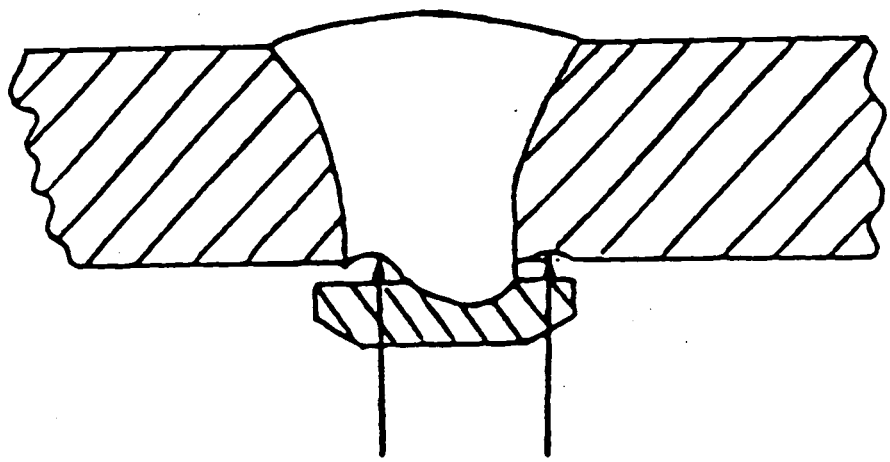
CONDITIONALLY ACCEPTABLE WELD JOINT

3.3 Weld Root

The weld joint illustrated in Figure 3 could meet the requirements of this procedure, even though some cavity is evident in the weld deposit or the base metal at the root. As long as these cavities do not present any sharp edges, do not exceed 1/32-inch, and do not encroach on the minimum wall thickness, they may be accepted. Cavities (or depressions) in both the weld deposit and base metal may coexist.

3.3.1 Description of Radiograph

Cavities (or depressions) appear in radiographs as areas of greater density (darker) because the part is thinner at these locations, i.e., there is less material for the radiation to penetrate. The change in density from one area to another is gradual. The radiographic density of this area should not exceed the density of the image of the applicable groove in the shim. The density of the image of the shim groove should be compared to the portion of the groove not covered by the penetrant.



TYPICAL ROOT UNDERCUT

FIGURE 3 - CONDITIONALLY ACCEPTABLE WELD JOINT

APPENDIX H (Continued)

UNACCEPTABLE WELD JOINT

3.4.1 Weld Root

The weld joint illustrated in Figure 4 does not meet the requirements of this procedure. The cavities (or depressions) at the edge of the weld root in either the weld deposit or base metal are sharper but not necessarily deeper than those in Figure 3; they may or may not exceed 1/32-inch and/or encroach on the minimum wall thickness. In this case, the primary criterion is the sharpness of the edges of the weld root rather than depth of the cavities.

NOTE: The cavity (or depression) at the right edge of the weld root (Figure 4) often occurs in tack welding. The cavity at the left shows part of the root face still unmelted.

3.4.2 Description of Radiograph

Cavities (or depressions) are depicted as darker areas (more dense). The transition in density from the defect to the adjoining area appears sharp and usually narrow. The length of the defect is usually short and generally occurs intermittently along the weld.

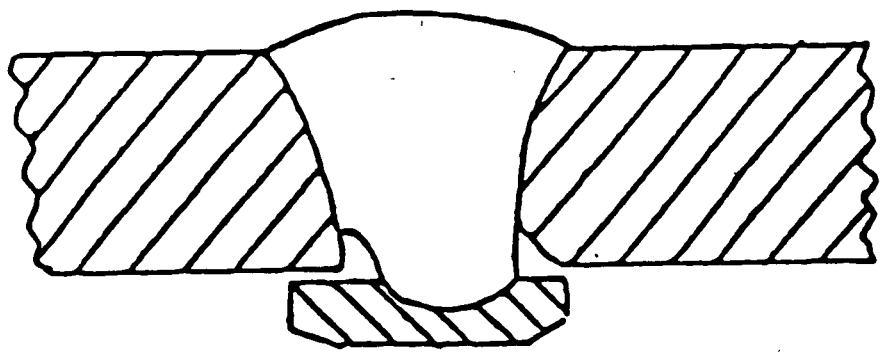


FIGURE 4 - UNACCEPTABLE WELD JOINT

APPENDIX H (Continued)

4.0 Workmanship samples(WS) may be used as an aid in evaluation of Figure 3 conditions in radiographs. If there is any doubt if a WS is needed, one should be used.

4.1 A WS consists of a joint of the same design and same nominal thickness and material as the production weld and may be a welder or procedure qualification test assembly. Radiograph the area of a weld to be used for a WS and prove it acceptable by visual or macro examination.

4.2 The radiograph of a WS used to evaluate a condition in a production weld must be made using the same radiographic technique as is used to make the production radiograph.

4.2.1 The parameters of the radiographic technique which should have the same nominal values for both the WS and the production radiograph are: type source, source intensity, source-to-film distance, film, intensifying screen type and thickness, whether source-side or film-side penetrameter used, whether single- or double-wall exposure, and whether for single- or double-wall viewing.

4.2.2 The film density of the WS radiograph must be acceptable and within [illegible] to +30% of the density of the questionable area of the production weld radiograph so that an accurate comparison may be made.

4.3 Method of Manufacture of a WS

4.3.1 Select an area of a test assembly containing a Figure 3 indication.

4.3.2 Identify for radiography the area selected using a unique WS number.

4.3.3 Radiograph this area using the same technique and parameters as will be used in production.

APPENDIX H (Continued)

4.3.4 Make a section through the questionable area, polish and etch for macro examination.

4.3.5 If the macro section is proven to be acceptable, the radiograph and macro should be saved for a workmanship sample.

4.4 Workmanship samples, radiographs, and macros must be numbered and retained for future use.

4.4.1 Each time the WS is used for evaluating a questionable condition, record the WS number used for evaluation.

R2

Record of Liquid Penetrant Examination

Date of Examination: _____ Report No.: _____

Procedure No: _____ Revision: _____

Original Examination ☐ Re-examination ☐

Weld Joint No.: _____ R - ¼ - ½ - F - FF

Item or System Description: _____

_____

Ref. Drawing No: _____

Part Temperature: _____ Surface Thermometer S/N _____

Penetrant Materials

Brand Name: Magnaflux Spot Check ☐

Sherwin Double Check ☐

Other: _____

	Type	Lot or Batch No.:
Penetrant		
Remover		
Developer		

Results of Examination: Satisfactory ☐ Unsatisfactory ☐

Explaination of Unsatisfactory Results: _____

_____

Examined By: _____ Level: _____

Evaluated By: _____ Level: _____

ATTACHMENT 5

R2

Record of Magnetic Particle Examination

Date of Examination: _____ Report No.: _____

Procedure No.: _____ Revision: _____

Original Examination ☐ Re-examination ☐

Weld Joint No.: _____ R - ¼ - ½ - F - FF

Item or System Description: _____

Referenced Drawing: _____

Method of Magnitization (Check if Applicable):

Yoke Y-5 ☐ Y-6 ☐

Other ☐ _____

AC ☐ DC ☐

Equipment S/N: _____

Test Weight S/N: _____

Pole Spacing: _____

Prods ☐

AC ☐ DC ☐

Equipment Type _____

Equipment S/N _____

Magnetizing Current _____

Prod Spacing _____

Particles Brand & Color: _____

Examination Results: ☐ Satisfactory ☐ Unsatisfactory

Explanation of Unsatisfactory Results: _____

Examined By: _____ Level: _____

Evaluated By: _____ Level: _____

TVA 7440A (DNP-5-83)

ATTACHMENT 6

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV____	WELD/ITEM NO. _____ Page_____of___

WELD DISCREPENCY REPORT

WELD MAP/SKETCH NO._____

I. DESCRIPTION OF DISCREPANCY (ATTACH SKETCH/PHOTOGRAPH).

_____

_____

_____

_____

REPORTED BY_____ _____
INSPECTOR DATE

II. DISPOSITION

_____

_____

_____

_____

DNE REPRESENTATIVE_____ _____
DATE

III. CORRECTIVE ACTION TAKEN

_____

_____

_____

_____

BLN CONST PERSONNEL_____ _____
DATE

ATTACHMENT 7

Torque testing of automatically welded threaded studs

1. Method

Existing nut and washer shall be removed. All exposed threads of the stud shall be cleaned of any lubricant and other foreign matter. A new (unused) flat washer and nut shall be installed without lubricant and torqued to the values given below. Torqueing shall be done with a calibrated wrench. After testing, the permanent installation shall be restored to drawing requirements.

2. Criteria

Studs shall be torqued to the values shown below for the applicable size and thread series. Do not torque beyond these values. Studs sustaining the indicated torque value without failure of the weld are acceptable. The test shall be recorded on the form accompanying this attachment.

Required Torque for Testing Threaded Studs
(FROM AWS D 1.1)

Nominal Diameter of Studs in.	Threads per Inch and Series Designated	Testing Torque ft/lb
1/4	28 UNF	5.0
1/4	20 UNC	4.2
5/16	24 UNF	9.5
5/16	18 UNC	8.6
3/8	24 UNF	17.0
3/8	16 UNC	15.0
7/16	20 UNF	27.0
7/16	14 UNC	15.0
1/2	20 UNF	42.0
1/2	13 UNC	37.0
9/16	18 UNF	60.0
9/16	I2 UNC	54.0
5/8	18 UNF	84.0
5/8	11 UNC	74.0
3/4	16 UNF	147.0
3/4	10 UNC	132.0
7/8	14 UNF	234.0
7/8	9 UNC	212.0
1.0	12 UNF	348.0
1.0	8 UNC	318.0

ATTACHMENT 7

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV____	WELD/ITEM NO. _____ Page___of___

RECORD OF WELDED STUD TORQUE TEST

REF. DRAWING_____
ITEM/SYS. DESCRIP._____

CRITERIA	ID NO.	ID NO.	ID NO.	ID NO.
STUD SIZE (*)				
APLD TORQ (**)				
TORQ WREN ID				
WREN CAL DUE DATE				
DATE OF TEST				
RESULTS				

SKETCH/LOCATION:

NOTE: DESCRIBE REJECTABLE CONDITION(S) IN DETAIL ON ATTACHMENT
(*) DIAMETER AND THREADS PER INCH
(**) SEE ATTACHMENT 7 WP-09, PAGE 1, PARA 2

EXAMINED BY:_____LEVEL_____DATE_____
RECORDED BY:_____ DATE_____

ATTACHMENT 7

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV____	WELD/ITEM NO. _____ Page_____of___

RECORD OF WELD REEXAMINATION
CONTINUATION SHEET

PROCEDURE NO. , REV_____
REF. DRAWING_____
ITEM/SYS. DESCRIP._____

SKETCH/NOTES:

EXAMINED BY:_____DATE:_____
RECORDED BY:_____DATE_____

ATTACHMENT 8

Exceptions to N-MT-1(R5)

1. Para 7.3.2 - Linear indications are defined as those having a length exceeding 2 times their width.

2. Para 8.1.1 - All indications will be considered relevant.

3. Para 5.1.3 - Existing coatings which do not interfere with proper application of yoke or prods need not be removed from the areas adjacent to the surface to be examined. (This exception also is applicable to inspections recorded as being performed to previous revisions of this procedure.) R3

ATTACHMENT 9

Exceptions to N-PT-1(R7)

1. Para 5.2.2 - Linear indications are defined as those having a length exceeding 2 times their width.

2. Para 5.3 - All indications will be considered relevant.

3. Para 4.3.4 - Existing coatings need not be removed from areas adjacent to the required area of examination. (This exception also is applicable to inspections recorded as being performed to previous revisions of this procedure.) R3

Attachment B

This is the Welding Project Procedure WP-10 "DNE Procedure for Reconciliation and Evaluation of Reinspection Results - Bellefonte Nuclear Plant"

TVA

WELDING PROJECT

PROJECT PROCEDURE

NO. WP-10

TITLE: DNE PROCEDURE FOR RECONCILIATION AND EVALUATION OF REINSPECTION RESULTS - BELLEFONTE NUCLEAR PLANT

	REVISION RO	R1	R2	R3	R4	R5
	DATE 6/17/88	04/07/92	04/13/92	05/15/92	08/05/92	
PREPARED						
APPROVED *						
APPROVED						
APPROVED (EA)		NA	NA	NA	N/A	

* REVIEWER

DIVISION OF NUCLEAR ENGINEERING

WELDING PROJECT

PROJECT MANUAL

Revision	Date	Purpose and Scope of Change
0	6/17/88	Initial issue of WP-10, DNE Procedure for Reconciliation and Evaluation of Reinspection Results-Bellefonte Nuclear Plant
1	4/07/92	General revision and to update to the existing applicable Site Procedures
2		Added Section 3.6
3	5/14/92	Revised Para. 2.1.2 and 3.5.16
4	8/05/92	Revised Para. 2.1.2, 3.4.1, 3.5.9, and 3.5.10

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PLAN FOR THE EVALUATION OF WELD REINSPECTION RESULTS

BELLEFONTE NUCLEAR PLANT

1.0 PURPOSE AND SCOPE

1.1 Purpose

The purpose of this procedure is to provide the administrative program and technical requirements for reconciliation and evaluation of the results of weld reinspections.

1.2 Scope

The scope of this procedure is the weld reinspections performed at Bellefonte Nuclear Plant, in accordance with Reference 4.1, as part of the Welding Project (WP) Phase II weld reinspection program.

2.0 GENERAL

2.1 Discussion

2.1.1 Inspection Adequacy Assessment - One objective of the weld reinspections performed at Bellefonte Nuclear Plant (BLN) is to assess the adequacy of the weld inspections examinations previously performed by the construction organization. During the life of the project, changes have occurred in the acceptance criteria for some of the examination methods applicable to welds. In order to provide a single set of criteria for field use during the reinspection program, the acceptance criteria and reporting instructions of Reference 4.1 were established. These criteria represent the most restrictive requirements that have been in effect since the beginning of BLN construction. This approach simplifies the field reinspection activity by avoiding multiple criteria that are dependent on the time period of the original inspection. It does require, however, that some reinspection results be subsequently compared with the actual criteria existing at

the time of the construction organizations' acceptance inspection. The effect of this reconciliation process will be that certain attributes, rejected or reported durin reinspection, can properly be accepted without further evaluation or other reinedial action.

2.1.2 Engineering Evaluation - The second objective of the weld reinspection program is to evaluate the code compliance of weldments with discrepancies, determined by reinspection, which could not be accepted by reconciliation. This requires an evaluation of the effects of the reported discrepancy on the weldment. Welds found acceptable by Engineering evaluation will, by definition, deviate in some respect from the detailed requirements of the applicable code specification, or drawing, but will have been found capable of functioning as designed.

2.1.3 Corrective Action - A third objective is to identify where corrective actions are required to bring the weldments into compliance either by hardware, program, or commitmer modification.

3.0 PROCEDURE

3.1 General Requirements

3.1.1 Reinspection Results Data Base - Results of weld reinspections performed in accordance with Reference 4.1 will be compiled in a computer data base.

3.1.2 Inspection Attributes Acceptance - Inspection attributes which meet the reinspection criteria of Reference 4.1 or which are reconciled as acceptable according to Section 3.2 of this plan are acceptable. The applicable inspection criteria have been met.

3.1.3 Engineering Evaluation - Conditions not meeting applicable criteria per Paragraph 3.1.2 above are to be evaluated by engineering evaluation as described in Section 3.5 of this procedure.

3.2 Requirements for Reconciliation

3.2.1 Reinspection Results Reconciliation - The results of the reinspection will be reconciled with the appropriate time-based criteria given in 3.3 for the respective inspection methods. Inspection attributes not addressed in 3.3 have not changed during the life of the project, therefore reconciliation is not required.

3.2.2 Documentation of Reconciliations - Reconciliations performed in accordance with Section 3.3 of this procedure will be documented in the disposition section of the Weld Discrepancy Report (Attachment 6 of Reference 4.1).

3.2.3 Weld Discrepancy Report form Revisions - Because of changes in organizational names and responsibilities, the signature block identifiers in Parts II and III of the Weld Discrepancy Report are not currently appropriate. When these parts of the report are filled in, they will be signed by a WP representative and the title block identifiers revised accordingly. (See Exhibit A.)

3.2.4 Additional Notes - Notes and clarification for the reinspected mechanical or structural welds may be added using the forms provided. (See Exhibit B or C).

3.3 Technical Requirements for Reconciliation

3.3.1 Liquid Penetrant Examination - Results of liquid penetrant (PT) examination performed to N-PT-1 (R7) as modified by Reference 4.1. (Piping AMSE III Class 1, 2, & 3 and NF supports.)

3.3.1.1 Linear Indications

(a) Background - Linear indications were defined as those with a length exceeding two times their width until September 7, 1978, when they were defined as those with a length exceeding three times their width in Process Specification (P.S.) 3.M.1.1 (c). Reference 4.1 required the use

of earlier definition of linear indications.

(b) Reconciliation - Reported linear indications with length-to-width ratio of 3 or less may be evaluated as rounded indications in welds accepted after Sept. 7, 1978. If insufficient data is reported to determine length-to-width ratio, indication is rejectable unless (1) it can be considered as non-relevant per 3.3.1.2 below, or (2) an additional examination is performed to determine the length-to-width ratio.

3.3.1.2 Relevant Indications

(a) Background - All indications were considered relevant until Sept. 7, 1978, when relevant indications were defined as those with major dimensions greater than 1/16" in P.S.3.M.1.1(c). Reference 4.1 required that all indications be considered relevant.

(b) Reconciliation - Reported indications with major dimensions of 1/16" or less may be considered as non-relevant in welds accepted after Sept. 7, 1978.

3.3.2 Magnetic Particle Examination - Results of magnetic particle (MT) examination performed to N-MT-1 (R5) as modified by Reference 4.1 (Piping ASME III Class 1, 2, and 3, B31.1, NF Supports and Containment Liner).

3.3.2.1 Linear Indications

(a) Background - Linear indications were defined as those having a length exceeding two times their width until May 1, 1978, when they were defined as those having a length exceeding three times their width in P.S.3.M.2.1 (c). Reference 4.1 required the use of the earlier definition of linear indications.

(b) Reconciliation - Reported linear indications with length-to-width ratio of

3 or less may be considered as rounded indications in welds accepted after May 1, 1978. If insufficient data is reported to determine length-to-width ratio, indication is rejectable unless (1) it can be considered as non-relevant per 3.3.2.2 below, or (2) an additional examination is performed to determine the length-to-width ratio.

3.3.2.2 Relevant Indications

(a) Background - All indications were considered relevant until May 1, 1978, when relevant indications were defined to be those with major dimensions greater than 1/16" in P.S.3.M.2.1(c). Reference 4.1 required that all indications be considered relevant.

(b) Reconciliation - Reported indications with dimensions of 1/16" or less may be considered as non-relevant in welds accepted after May 1, 1978.

3.3.3 Visual Examination - Results of visual (VT) examination performed to N-VT-3 (R8) as modified by Reference 4.1. (Piping ASME III Class 1, 2, and 3, B3.1.1, NF Supports, and Containment Liner.)

3.3.3.1 Relevant Indications - (NF Support Welds Only)

(a) Background - All indications were considered relevant until Aug. 2, 1978, when linear and rounded indications 1/16" or less in major dimension were defined as non-relevant in P.S.3.M.5.1. (c), Addendum No. 4. Reference 4.1 required that all indications in NF support welds be considered relevant.

(b) Reconciliation - Reported indications with major dimension of 1/16" or less may be considered as non-relevant in NF support welds accepted after Aug. 2, 1978.

3.3.3.2 O.D. Concavity - (Autogenous Welds in Pipe or Tube Only)

(a) Background - No unique acceptance criteria were given for weld concavity in autogenous pipe or tube butt welds until May 15, 1981. At that time, an acceptable maximum concavity of 10% of the wall thickness was provided by P.S.3.M.5.1 (e). Reference 4.1 did not permit use of the 10% concavity provision for autogenous welds.

(b) Reconciliation - Reported concavity in autogenous pipe or tube welds which does not exceed 10% of the wall thickness may be accepted for welds accepted after May 15, 1981.

3.3.3.3 Minimum Socket Weld Size - (Pipe to Fittings Other Than Flanges)

(a) Background - The minimum permitted fillet weld size on socket welded connections was 1.09 times the nominal thickness of the pipe but not less than 1/8" until June 11, 1982, when the 1/8" minimum was deleted (for other than flanges) by P.S.3.M.5.1(e), Addendum 2, Rev. 1. Reference 4.1 utilized the 1/8" minimum size criteria.

(b) Reconciliation - Socket welds rejected for undersize by reason of the 1/8" limit may be accepted if acceptance inspection was performed after May 11, 1982. Note: Weld must still meet the 1.09 "t" criteria and 1/8" limit continues to be applicable to pipe-to-flange socket welds.

3.3.4 Visual Examination Performed to N-VT-2 - Results of visual (VT) examination performed to N-VT-2 (R6) as modified by Reference 4.1 (AISC supports only)

3.3.4.1 Undercut

(a) Background - Undercut more than 0.01 inch deep which was transverse to primary tensile stress was not permitted until September 1, 1981 when 1/32" deep undercut was permitted by P.S.O.C.1.1 (a). Reference

4.1 required that undercut between 0.010 and 1/32" deep be reported.

(b) Reconciliation - Reported undercut with depth not exceeding 1/32" may be accepted irrespective of orientation in welds originally accepted after Sept. 1, 1981.

3.3.4.2 Piping Porosity

(a) Background - Complete penetration groove welds were permitted to have piping porosity in the amounts permitted for fillet and partial penetration welds until July 28, 1978, when no piping porosity was permitted in complete penetration welds transverse to the direction of tensile stress by P.S.3.C.5.2 (b). No piping porosity has been permitted in complete penetration welds since Sept. 1, 1981, when it was prohibited by P.S.O.C.1.1 (a). Reference 4.1 required that the size and number of pores in complete penetration welds oriented transverse to the direction of computed tensile stress be reported.

(b) Reconciliation - Reported porosity in complete penetration welds shall be reconciled as follows:

(1) In welds accepted prior to July 28, 1978: the sum of the diameters of piping porosity shall not exceed 3/8 inch in any one linear inch of weld and shall not exceed 3/4 inch in any 12 inch length of weld.

(2) In welds accepted between July 28, 1978, and Sept. 1, 1981: In welds transverse to the direction of computed tensile stress, no piping porosity is permitted. For other complete penetration welds, the porosity limits of 1 above are applicable.

(3) In welds accepted after Sept. 1, 1981, no piping porosity is permitted.

3.3.4.3 Fillet Weld Convexity

(a) Background - Fillet weld convexity was limited to the quantity 0.1 times the weld size plus 0.03 inch until October 6, 1980, when it was limited to 0.1 times the weld size plus 0.06 inch by P.S.3.C.5.2(b), Addendum No. 2. This acceptance criteria remained in effect until September 1, 1981, when it was deleted by P.S.O.C.1.1(a). Reference 4.1 required that the length of fillet welds having convexity exceeding the quantity 0.1 times the weld size plus 0.03 inch be reported.

(b) Reconciliation - Reported convexity in fillet welds shall be reconciled as follows:

(1) In welds accepted prior to October 6, 1980, maximum convexity limits are 0.1 time the weld size plus 0.03".

(2) In welds accepted between October 6, 1980, and September 1981, convexity limits are 0.1 times the weld size plus 0.06".

(3) In welds accepted after Sept. 1, 1981, there are no convexity limits.

3.3.4.4 Maximum Fillet Weld Size

(a) Background - No acceptance criteria were given for maximum fillet weld size until October 6, 1980, when fillet welds 3/16" larger than specified were not permitted without engineering approval by P.S.3.C.5.2(b), Addendum No. 2. This acceptanee criteria remained in effect until Sept. 1, 1981, when it was deleted by P.S.O.C.1.1 (a). Reference 4.1 required the length of fillet weld exceeding the specified size by more than 3/16" be reported.

(b) Reconciliation - Reported oversize in fillet welds shall be evaluated follows:

(1) In welds accepted prior to October 6, 1980, there are no limits on oversize.

(2) In welds accepted between October 6, 1980, and Sept. 1, 1981, oversize is limited to 3/16" unless evidence of engineering approval exists for greater oversize.

(3) In welds accepted after September 1, 1981, there are no limits on oversize.

3.4 Requirements for Evaluation

3.4.1 Engineering Evaluation - Engineering evaluation will be performed using the reinspection data. If additional weld inspection data is needed the information will be obtained as an additional reinspection and the data will be included in the weld reinspection file. The engineering evaluation will be in accordance with applicable design criteria supplemented by the technical requirements in section 3.5. When evaluating a connection for which a weld or portion of weld was not accessible for detailed examination, the uninspected weld will be considered present and acceptable unless otherwise noted by the inspector.

3.4.2 Calculation Requirements - Evaluation data and supporting calculations for the discrepant welds shall be submitted to DCRM for inclusion in the records system as Life of Plant Records. Calculations shall be documented and verified as required by References 4.3 and 4.4.

3.4.3 Documentation of Evaluations - Evaluations performed in accordance with Section 3.5 of this procedure will be documented in the disposition section of the Weld Discrepancy Report (Attachment 6 of Reference 4.1).

3.4.4 Weld Discrepancy Report Form Revisions - Because of changes in organizational names and responsibilities, the signature block identifiers in Parts II and III of the Weld

Discrepancy Report are not currently appropriate. When these parts of the report are filled in, they will be signed by a WP representative and the title block identifier revised accordingly. (See Exhibit A.)

3.4.5 Additional Notes - Notes and clarification for the reinspected mechanical or structural welds may be added using the forms provided. (See Exhibit B or C).

3.4.6 Repair or Corrective Action - Irrespective of the outcome of the evaluation, the WP may direct the repair or correction of any discrepant condition. Corrective Action taken should be documented in the appropriate section of the Weld Discrepancy Report.

3.4.7 Conditions Adverse to Quality - Conditions adverse to quality shall be documented following the procedures of Reference 4.2

3.4.8 NRC Notification - The NRC shall be notified immediately if significant discrepancies are identified as a result of welding evaluation performed under this procedure. (See Reference 4.1.)

3.5 Technical Requirements for Evaluation

3.5.1 Time Based Criteria - A condition discrepant by reason of failure to meet the appropriate time-based criteria (see 3.3) may be evaluated as acceptable if the condition is acceptable with respect to the criteria of any time period as given in 3.3.

3.5.2 Cracks or Linear Indications - Cannot be evaluated without further details. Reported cracks and linear indications based on visual examination only shall be confirmed by MT or PT. If MT or PT examination does not confirm linear indication, it may be disregarded as being nonrelevant. Confirmed cracks and linear indications must be explored and characterized before structural evaluation can be done. This will be handled and documented on a case by case basis.

3.5.3 Oversize Welds - No effect on weldment.

3.5.4 Undersize Welds - Evaluate using weld size/effective throat as reported.

3.5.5 Incomplete Fusion - Evaluate by either (a) for AISC/AWS welds assuming affected weld length is missing or (b) for AISC/AWS/ASME/B31.1 welds request removal of incomplete fusion area and perform evaluation on weld/base metal section remaining after removal.

3.5.6 Overlap - No effect on structure unless inspection report indicates associated incomplete fusion in which case evaluate as incomplete fusion.

3.5.7 Undercut - Evaluate as a loss in base material section for the rejectable length and depth.

3.5.8 Convexity - No effect on weldment.

3.5.9 Porosity - For AISC/AWS and ASME NF welds, evaluate by either a) assuming weld is missing for reported pore size or b) reducing porosity to acceptable size followed by evaluation of material section remaining. For ASME (other than NF) and B31.1 welds the porosity must be removed followed by evaluation of material section remaining.

3.5.10 Arc Strikes - No effect on weldment of plain carbon steel, stainless steel, and nonferrous materials unless inspection report indicates associated cracking or crater, in which case evaluate as crack and/or crater. Arc strikes on low alloy steel materials must be removed with removal confirmed by acid etching

3.5.11 Crater - Evaluate by treating weld as undersize by length/depth of crater.

3.5.12 Length/Location - Evaluate using underlength, mis-located, or missing weld as reported.

3.5.13 Surface Slag - Evaluate by either (a) for AISC/AWS welds assuming weld is missing for reported length or (b) for AISC/AWS/ASME/B31.1 request slag to be removed and performing evaluation on underlying weld condition.

3.5.14 Slag Inclusion - Evaluate by assuming weld is missing for reported size of slag inclusions. For ASME/B31.1 welds the slag inclusion must be removed and evaluation performed on remaining material section.

3.5.15 Spatter - No effect on weldment.

3.5.16 Radiographic Film Review

(a) Radiographic Technique - Evaluation and resolution of radiographic technique discrepancies in film reviewed by the WP will be handled as part of the program for Level III review of all radiographs of ASME Section III welds at BLN.

(b) Rejectable Indications Found During RT Review:

(1) Components Other Than Containment Liner: The presence of rejectable indications in reviewed radiographs shall be confirmed by two Level IIIs. Confirmed rejectable indications shall be repaired and re-examined to the original fabrication requirements.

(2) Containment Liner Welds: The presence of rejectable indications in reviewed radiographs shall be confirmed by two Level IIIs. Confirmed rejectable indications shall be evaluated by the WP for their effect, if any, on the integrity of the liner. Because of anticipated problems in repair welding the liner plate now backed by concrete and the impossibility of re-radiographing repair welds at this stage of completion, it may be justifiable to leave as-is certain radiography rejectable RT indications when the condition can be shown to have no effect on the design function of the liner. In this case, a written rationale shall be provided by the WP to support the judgement. When repairs are necessary, examination of the repair shall be performed per original fabrication requirements to the extent possible.

3.6 <u>Characterization of Reported Discrepancies</u>

To properly characterize some discrepancies reported by WP inspectors, it may be necessary to remove metal and/or re-perform the WP examinations or to perform additional examinations. When this is done the results of the later examinations will be used as the basis for acceptance by characterization, reconciliation, or evaluation as appropriate according to this procedure.

4.0 REFERENCES

4.1 WP-09, "Welding Project Reinspection Plan - Bellefonte Nuclear Plant"

4.2 Site Procedure BLN-1.3.1, "Corrective Action Program"

4.3 Site Procedure BLN-9.0-1, "Design Verification"

4.4 Site Procedure BLN-9.0-4, "Design Calculation Preparation, Review and Approval

5.0 EXHIBITS

Exhibit A - Illustration of Revision to Signature Block Designators

Exhibit B - Additional Notes on Reinspection Welds

Exhibit C - Additional Notes on Reinspection Packages

EXHIBIT A TO WP-10

ILLUSTRATION OF REVISION TO SIGNATURE BLOCK DESIGNATORS OF ATTACHMENT 6 IN WP-09

ATTACHMENT 6

NONDESTRUCTIVE REEXAMINATION PROCEDURE WP-09 REV ___	WELD/ITEM NO. _____ Page ___ of ___

WELD DISCREPANCY REPORT

WELD MAP/SKETCH NO. _____

I. DESCRIPTION OF DISCREPANCY (ATTACH SKETCH/PHOTOGRAPH).

_____

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_____

REPORTED BY _____ _____

INSPECTOR DATE

II. DISPOSITION

_____

_____

_____

_____

WP
~~DNE~~ REPRESENTATIVE _____ _____

DATE

III. CORRECTIVE ACTION TAKEN

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_____

_____

_____

WP REPRESENTATIVE
~~BLN CONST PERSONNEL~~ _____ _____

DATE

SIGNATURE DESIGNATORS TO BE REVISED BY WP REPRESENTATIVE ENTERING INFORMATIO IN THESE BLOCKS. SEE PARA. 3.2.3 OR 3.4.4 OF WP-10.

EXHIBIT B TO WP-10

ADDITIONAL NOTES ON REINSPECTION

WELD NO. _____

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EXHIBIT C TO WP-10

ADDITIONAL NOTES ON REINSPECTION

PACKAGE _____

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Attachment C

This is the Welding Project Procedure WP-11 "Level III Review of ANSI B31.1 and ASME Section III Radiographic Film"

TVA

WELDING PROJECT

PROJECT PROCEDURE

NO. NO. WP-11

TITLE: LEVEL III REVIEW OF ANSI B31.1 AND ASME SECTION III RADIOGRAPHIC FILM

BELLEFONTE NUCLEAR PLANT

	REVISION RO	R1	R2	R3	R4	R5
	DATE 04/13/92	05/01/92	09/04/92			
PREPARED	Paul J. Helton Jr.	Paul J. Helton Jr.	[illegible]			
APPROVED *	Carl W. Hutmacher	Carl W. Hutmacher	Carl W. Hutmacher			
APPROVED	C. Alan Storey	C. Alan Storey	C. Alan Storey			

* REVIEWER

REVISION LOG

REVISION NUMBER	EFFECTIVE DATE	PAGES AFFECTED	DESCRIPTION OF REVISION
0	See cover page	All	
1	05/01/92	Attachment 2	Revised Attachment 2
2	09/04/92	4 of 6	Added Sub-Section 4.1.7
		4 of 6	Revised Sub-Section 5.1.3
		4 of 6	Added Sub-Section 5.2.3
		6 of 6	Revised Attachment 1
		7 & 8	Deleted Attachment 2

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1.0 PURPOSE

This procedure provides the administrative control for the Level III Inspector review of radiographic film for BLN piping systems.

2.0 SCOPE

This review shall apply to all radiographically accepted ANSI B31.1 and ASME Section III Class 1, 2, and 3 welds as identified in the Weld Monitoring Program.

3.0 DEFINITIONS

3.1 Level III Inspector

Personnel that meet the requirements of SNT-TC-1A for qualification as a Level III Radiographic Inspector.

4.0 REFERENCES

4.1 Source Documents

4.1.1 Memorandum from S. A. White, Manager of Nuclear Power, dated January 23, 1987 (Accession No. A02870304028)

4.1.2 Quality Methods Procedure QMP 102.4 (Revision 6), Qualification and Certification Requirements for Nuclear Power (NP) NDE Personnel

4.1.3 General Construction Specification G-29, Process Specification 3.M.3.2 (Revision 4), Radiographic Procedure No. M3

4.1.4 NDE Procedures Manual

- Procedure N-RT-1 (Revision 15)
- Procedure N-MT-6 (Revision 6)
- Procedure N-PT-9 (Revision 3)
- Procedure N-UT-24 (Revision 7)
- Procedure N-UT-39 (Revision 0)
- Procedure N-VT-3 (Revision 14)

4.1.5 BLN Site Standard Practice SSP 2.9 (Revision 0), Records Management

4.1.6 BLN Site Standard Practice SSP-3.4 (Revision 0), Corrective Action

4.1.7 BLN Site Procedure BNP QCP-7.1.

4.2 Developmental References

4.2.1 BLN Site Standard SSP-2.51 (Revision 0) Writers Handbook for Administrative Procedures

5.0 INSTRUCTIONS

5.1 Review Requirements

5.1.1 All reviews of radiographic film shall be performed by Level III personnel qualified and eertified in accordance with Quality Methods Procedure 102.4 (Revision 6).

5.1.2 All reviews and examinations shall be conducted in accordance with the examination procedures and reporting requirements as given in Attachment 1.

5.1.3 The results of all reviews shall be documented on the Level III Radiographic Examination Review Form (Attachment F of BNP QCP-7.1).

5.2 Evaluation of Unacceptable Discontinuities

5.2.1 Unacceptable discontinuities will be evaluated against the criteria utilized at the time of the original examination.

5.2.2 Discrepant conditions found during the review process will be reported through the Site Quality Assurance Program.

5.2.3 The acceptance criteria for resolution of discrepant conditions shall be those of the Code of Record as implemented by site procedures.

5.3 Intent of Review

The intent of this review is to validate the original program, therefore re-examination by any method not required by the Code of Record will be performed only to provide information for the resolution of problems encountered in the review process.

5.4 Support Activity Requirements

All physical work activities to be performed in support of this review will be accomplished in accordance with the appropriate site procedures. Examples of these activities are as follows:

- Protective coating removal and application
- Support/restraint removal and restoration
- Mechanical surface conditioning of weld joints

6.0 RECORDS

6.1 QA Records

The following records and related correspondence are QA records and shall be submitted to DCRM in accordance with SSP-2.9, Records Management.

- Significant Corrective Action Reports (SCAR)
- Level III Radiographic Film Review Forms
- NDE Report Forms

6.2 Non-QA Records

- General Correspondence

ATTACHMENT 1

BELLEFONTE REVIEW OF RADIOGRAPHIC FILM

APPLICABLE PROCEDURES

Item	Procedure	Report Form
ASME III Class 1	G-29M 3.M.3.2 R(a), R(b), R(c), R3, & R4	Attachment F of BNP-QCP-7.1
ASME III Class 2	G-29M 3.M.3.2 R(a), R(b), R(c), R3, & R4	Attachment F of BNP-QCP-7.1
ASME III Class 3	G-29M 3.M.3.2 R(a), R(b), R(c), R3, & R4	Attachment F of BNP-QCP-7.1
ANSI B31.1	G-29M 3.M.3.2 R(a), R(b), R(c), R3, & R4	Attachment F of BNP-QCP-7.1
Supplemental Examinations	N-MT-6 (R6)	Standard Form
	N-PT-9 (R3)	Standard Form
	N-UT-24 (R7)	Standard Form
	N-UT-39 (R0)	Standard Form
	N-VT-3 (R14)	Standard Form