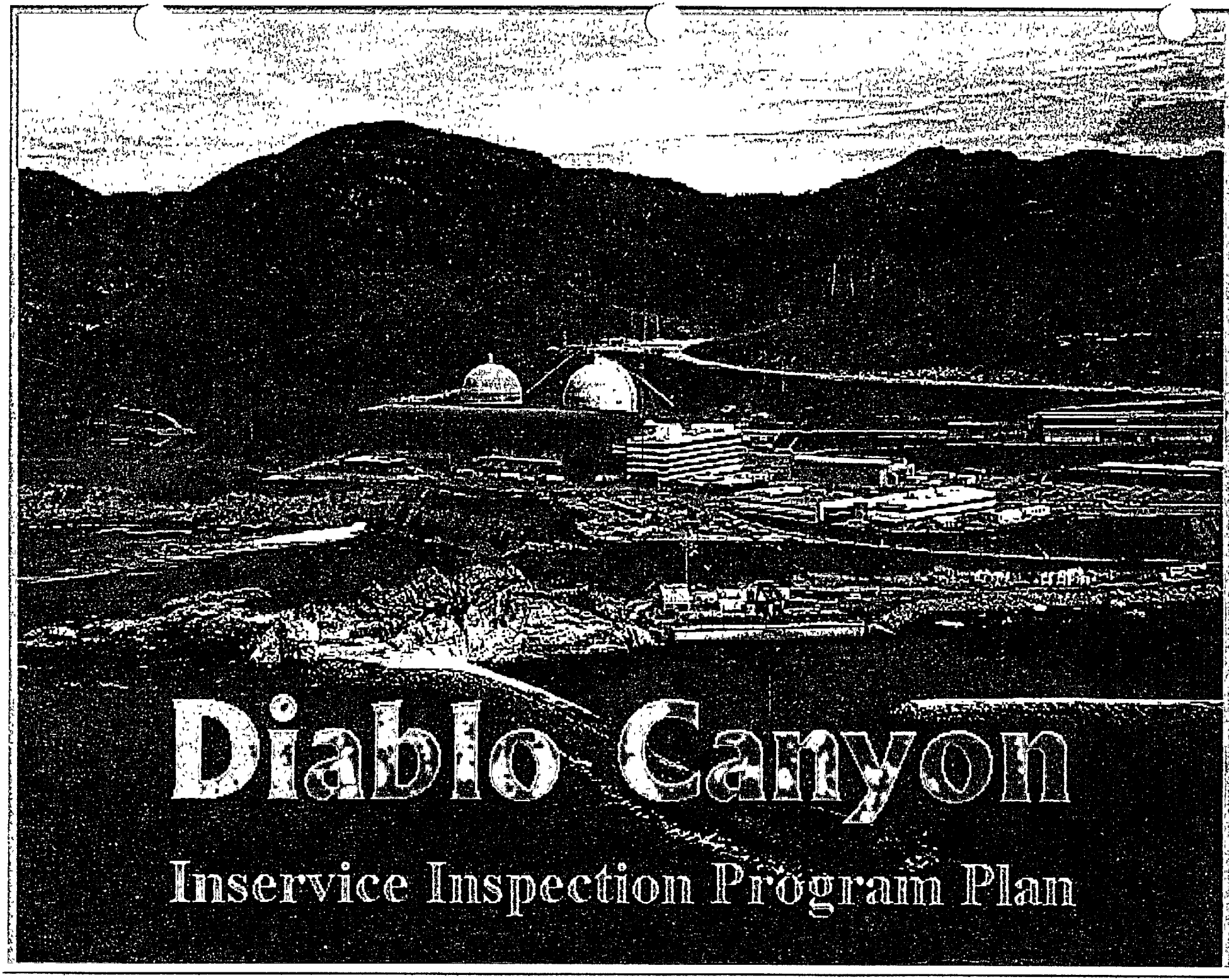

Diablo Canyon

Inservice Inspection Program Plan

Diablo Canyon Power Plant

In-Service Inspection
Program Plan

Second 10-Year Inspection Interval
Revision-2

Unit - 1
USNRC Docket: 50-275
Facility Operating License: DPR-80
Commercial Operation Date: May 7, 1985
Second Interval Start Date: January 1, 1996

Unit -2
USNRC Docket: 50-323
Facility Operating License: DPR-82
Commercial Operating Date: March 13, 1986
Second Interval Start Date: June 1, 1996

Prepared by: _____

Independent Technical Review: Daniel A Gonzalez

Approved by: _____

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Introduction

ISI Program Plan

The In-service Inspection Program Plan, for Diablo Canyon Power Plant (DCPP) Units 1 and 2, applies to pressure retaining components (including supports) which are classified ASME Code Class 1, Class 2 or Class 3. Components classified MC or CC are covered under DCPP Units 1 and 2 Containment Inspection Program Plan, developed as required by NRC regulations that became effective 9/9/96.

This ISI Program Plan complies with the requirements of 10 CFR 50.55a(b)(2) and 50.55a(g), in effect January 1, 1995, and uses the ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition without Addenda, and ASME Code Case N-578 as the basis for the in-service examinations conducted during the second 120-month inspection interval. The first inspection interval began on the commercial service dates of Units 1 and 2, May 7, 1985, and March 13,1986, respectively; and ended December 31,1995, and May 31,1996, respectively. The second interval commenced January 1,1996 and June 1, 1996 respectively.

When conformance with certain Code requirements is impractical, requests for relief [10CFR50.55a(g)(5)(iv)] have been submitted as referenced in the following tables, or separately when appropriate. These requests are subject to NRC review and approval. No new requests are made in this revision.

The ISI boundary for DCPP is established in conformance with 10CFR50.2 and Regulatory Guide 1.26, and is defined on DCPP drawings 102028 and 104628 for Units 1 and 2 respectively. These drawings are extracted from the piping schematics (P&ID's) for the plant contained in Volume V of the FSAR, section 3.2. All ASME Code Class 1, 2 and 3 lines subject to in-service inspection are shown on these drawings. Additionally, in-service inspection isometric drawings have been prepared for Class 1 and Class 2 lines that are subject to volumetric and surface examination. Revisions and additions to these drawings may occur from time to time but are controlled separately from and will not be issued as part of this ISI Program Plan. Plant configuration is reflected on the latest revision of these drawings, which shall apply in all cases. Repairs and replacements

with in the ISI boundary are conducted in accordance with procedures conforming to Articles IWX-4000 and IWX-7000 of Section XI.

Calibration blocks and standards for the volumetric NDE examinations are controlled by a separate DCPP procedure.

Differences between the code requirements of the 1978 Summer Addenda and the 1989 Section XI edition for Class 2 pipe welds and Class 3 piping resulted in items being examined for the first time during the second interval. These items were exempt during the first interval and were not examined. Adoption of the risk-informed selection process for pipe welds in this program plan revision again introduces welds that have not been previously examined. As these items are examined for the first time, limitations may be encountered which may require additional requests for relief.

Examination History

Pre-service examinations (conducted prior to commercial operation) and in-service examinations required during the first inspection interval and the first period of the second interval have been completed and the records are on file at the plant site. The first interval examinations conformed to the 1977 Edition of Section XI with Addenda through Summer 1978, except where relief was granted by the NRC. Examinations in the first period of the second interval conformed to the 1989 Edition of Section XI without Addenda, except where relief was granted by the NRC. Class 2 pipe weld examinations in Unit 2 followed a single stream schedule based on the Code addenda current during the pre-service examinations, and as permitted by an approved request for relief in the first inspection interval, that schedule was continued during the first period of the second interval.

Beginning with the second period of the second inspection interval, all pipe weld examinations are selected based on a risk informed process in accordance with Code Case N-578 and as approved by the NRC; that schedule is described in this program plan revision. All higher risk category welds selected during this process have been or will be examined during the remainder of this second inspection interval.

Ultrasonic examinations conducted through the first period of the second inspection interval were based on the prescriptive methods required by ASME Sections V and XI at the time (1989 Editions). Commencing as required by
10 CFR 50.55a, ultrasonic examinations are currently conducted in accordance with Section XI, Appendix VIII, 1995 Edition with 1996 Addenda, as implemented by the Performance Demonstration Initiative (PDI).

Exemptions

For components other than pipe welds, exemptions apply as stated in IWB-1220, IWC-1220, IWD-1220, and Tables IWX-2500-1. Pipe weld selection and exemptions are

based on a risk informed program in conformance with ASME Code Case N-578. Exemptions for component supports (IWF-1230), which are "in course of preparation" in the 1989 Edition, are based on guidance from the 1992 Edition.

Code Cases

Code cases generically approved by the NRC that apply to the 1989 Edition of Section XI, including current or expired Code Cases, may be used in the ISI Program. Code Cases for the 1989 Edition that have been annulled and/or subsequently dropped from RG 1.147 may still be used. Additionally, Code Cases specifically approved for use at DCPP by written notice from the NRC may also be used. When using these Code Cases, DCPP will observe any modifications, limitations or restrictions imposed within the limits of NRC approval.

Lists of Code Cases approved for use at DCPP during the second inspection interval were previously submitted on April 10, 1998 and June 18, 1999. Use of some of these Code Cases is detailed in the ISI Program Plan tables here. Other uses may be documented in approved procedures; in the examination, repair or replacement records; or in licensing correspondence.

Code Cases that apply to the various Construction Codes, and are similarly approved by the NRC and observed by DCPP, may be used in the course of repairs and replacements. Such use is documented as described above.

Augmented Inspection

The reactor coolant pump flywheels are examined as required by Regulatory Guide 1.14, modified by Westinghouse WCAP-14535A, "Topical Report on Reactor Coolant Pump Flywheel Inspection Elimination" as approved in NRC safety evaluation transmitted by letter of 9/12/96 from B.W. Sheron, NRC to S.C. Jain, Duquesne Light Company, for which Beaver Valley Power Station was the pilot plant. This modification results in the reduction of flywheel inspections to once in 10 years as scheduled here.

Pressure Tests

Pressure tests are scheduled for the ISI boundary as detailed here. Required hydrostatic tests are performed in accordance with Code Case N-498-1, which stipulates that they be performed at the normal operating pressure for the system.

Hydrostatic tests when required following repair and replacement are performed in accordance with Code Case N-416-1, as approved for use at DCPP, which also uses the normal operating pressure for the system. Additional details are given in DCPP pressure test and repair and replacement procedures.

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Diablo Canyon 2nd Interval Rev. 2

ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B1.11	Shell Welds - Circumferential	RPV 1	8-442 Upper-Intermed	U1· 1 1-1	UT	3			
	Shell Welds - Circumferential	RPV 1	9-442 Intermed-Lower	U1 1 1-1	UT	3			
	Shell Welds - Circumferential	RPV 1	10-442 Lower-Bott Hd	U1 1.1-1	UT	3			
B1 12	Shell Welds - Longitudinal	RPV 1	1-442A Upper Shell	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	1-442B Upper Shell	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	1-442C Upper Shell	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	2-442A Interm Course	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	2-442B Interm Course	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	2-442C Interm Course	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	3-442A Lower Course	U1: 1.1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	3-442B Lower Course	U1 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 1	3-442C Lower Course	U1 1 1-1	UT	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B1 21	Head Welds - Circumferential	RPV 1	4-443 Bottom Head	U1 1 1-1	None	.		NDE-2	
	Head Welds - Circumferential	RPV 1	6-446B Upper Head	U1. 1.1-1	None			NDE-2	
B1 22	Head Welds - Meridional	RPV 1 Bottom Hd	1-443A	U1 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Bottom Hd	1-443B	U1 1.1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Bottom Hd	1-443C	U1 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Bottom Hd	1-443D	U1 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Bottom Hd	1-443E	U1 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Bottom Hd	1-443F	U1. 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Closure Hd	1-446A	U1 1 1-1	UT	1		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Closure Hd	1-446B	U1 1 1-1	UT	1		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Closure Hd	1-446C	U1 1 1-1	UT	2		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Closure Hd	1-446D	U1 1 1-1	UT	2		NDE-3, R1	
	Head Welds - Meridional	RPV 1 Closure Hd	1-446E	U1 1 1-1	UT	3		NDE-3, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Head Welds - Meridional	RPV 1 Closure Hd	1-446F	U1: 1 1-1	UT	3		NDE-3, R1	
B1 30	Shell to Flange Weld (from flange)	RPV 1	7-442 Hole 27-54 (cw)	U1. 1 1-1	UT	1			
	Shell to Flange Weld (from flange)	RPV 1	7-442 Hole 54-27 (cw)	U1 1 1-1	UT	3			
	Shell to Flange Weld (from RPV wall)	RPV 1	7-442	U1 1 1-1	UT	3		NDE-4	
B1 40	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1 1-1	UT	1		NDE-5	
	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1 1-1	MT	1			
	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1.1-1	UT	2		NDE-5	
	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1 1-1	MT	2			
	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1 1-1	UT	3		NDE-5	
	Head to Flange Weld (1/3)	RPV 1	6-446A	U1 1 1-1	MT	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B1.50	Repair Welds (None)	RPV 1	None	U1: 1 1-1	N/A				
.	.								
B1 11	Shell Welds - Circumferential	RPV 2	8-201 Upper-Intermed	U2 1 1-1	UT	3			
	Shell Welds - Circumferential	RPV 2	9-201 Intermed-Lower	U2 1 1-1	UT	3			
	Shell Welds - Circumferential	RPV 2	10-201 Lower-Bott Hd	U2 1 1-1	UT	3			
B1 12	Shell Welds - Longitudinal	RPV 2	1-201A Upper Course	U2 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	1-201B Upper Course	U2 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	1-201C Upper Course	U2. 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	2-201A Interm Course	U2 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	2-201B Interm Course	U2 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	2-201C Interm Course	U2 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	3-201A Lower Course	U2. 1 1-1	UT	3			
	Shell Welds - Longitudinal	RPV 2	3-201B Lower Course	U2 1 1-1	UT	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Shell Welds - Longitudinal	RPV 2	3-201C Lower Course	U2. 1 1-1	UT	3			
B1 21	Head Welds - Circumferential	RPV 2	4-202 Bottom Head	U2 1 1-1	None			NDE-2	
	Head Welds - Circumferential	RPV 2	6-205B Closure Head	U2 1 1-1	None			NDE-2	
B1 22	Head Welds - Meridional	RPV 2 Bottom Hd	1-202A	U2 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Bottom Hd	1-202B	U2 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Bottom Hd	1-202C	U2 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Bottom Hd	1-202D	U2 1.1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Bottom Hd	1-202E	U2 1.1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Bottom Hd	1-202F	U2 1.1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Closure Hd	1-205A	U2 1.1-1	UT	1		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Closure Hd	1-205B	U2 1 1-1	UT	1		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Closure Hd	1-205C	U2 1 1-1	UT	2		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Closure Hd	1-205D	U2 1 1-1	UT	2		NDE-3, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Head Welds - Meridional	RPV 2 Closure Hd	1-205E	U2 1 1-1	UT	3		NDE-3, R1	
	Head Welds - Meridional	RPV 2 Closure Hd	1-205F	U2 1 1-1	UT	3		NDE-3, R1	
B1 30	Shell to Flange Weld (from flange)	RPV 2	7-201 Holes 41-15 (cw)	U2 1 1-1	UT	1			
	Shell to Flange Weld (from flange)	RPV 2	7-201 Holes 15-41 (cw)	U2 1 1-1	UT	3			
	Shell to Flange Weld (from RPV wall)	RPV 2	7-201	U2 1 1-1	UT	3		NDE-4	
B1 40	Head to Flange Weld (1/3)	RPV 2	6-205A	U2 1 1-1	UT	1		NDE-5	
	Head to Flange Weld (1/3)	RPV 2	6-205A	U2 1 1-1	MT	1			
	Head to Flange Weld (1/3)	RPV 2	6-205A	U2 1 1-1	UT	2		NDE-5	
	Head to Flange Weld (1/3)	RPV 2	6-205A	U2. 1 1-1	MT	2			
	Head to Flange Weld (1/3)	RPV 2	6-205A	U2 1 1-1	UT	3		NDE-5	
	Head to Flange Weld (1/3)	RPV 2	6-205A	U2 1 1-1	MT	3			
B1 50	Repair Welds (None)	RPV 2	None	U2 1 1-1	N/A				

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B2 11	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 1	Girth 1 - one third	U1 1 2-1	UT	1			
	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 1	Girth 1 - one third	U1 1 2-1	UT	2			
	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 1	Girth 1 - one third	U1: 1 2-1	UT	3			
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 1	Girth 5 - one third	U1 1 2-1	UT	1			
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 1	Girth 5 - one third	U1 1 2-1	UT	2			
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 1	Girth 5 - one third	U1 1 2-1	UT	3			
B2 12	Shell to Bottom Head Long'l Weld (12")	Pressurizer 1	Long'l 6 - twelve inches	U1 1 2-1	UT	3			
	Shell to Upper Head Long'l Weld (12")	Pressurizer 1	Long'l 9 - twelve inches	U1. 1 2-1	UT	2			
					.	.			
B2 11	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 2	Girth 1 - one third	U2 1 2-1	UT	1			
	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 2	Girth 1 - one third	U2 1 2-1	UT	2			
	Shell to Bottom Head Circ Weld (1/3)	Pressurizer 2	Girth 1 - one third	U2 1 2-1	UT	3			
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 2	Girth 5 - one third	U2 1.2-1	UT	1			
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 2	Girth 5 - one third	U2 1.2-1	UT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Shell to Upper Head Circ Weld (1/3)	Pressurizer 2	Girth 5 - one third	U2 1 2-1	UT	3			
B2.12	Shell to Bottom Head Long'l Weld (12")	Pressurizer 2	Long'l 6 - twelve inches	U2 1 2-1	UT	1			
	Shell to Upper Head Long'l Weld (12")	Pressurizer 2	Long'l 9 - twelve inches	U2 1 2-1	UT	2			
B2 20	None (Units 1 & 2)		.	.	.				
B2 30	None (Units 1 & 2)		.	.					
B2 40	Tubesheet to Head Weld (1/3)	Steam Gen 1-1	Channel W 1-1 - one third	U1 1 3-1	UT	1			
	Tubesheet to Head Weld (1/3)	Steam Gen 1-1	Channel W 1-1 - one third	U1 1 3-1	UT	2			
	Tubesheet to Head Weld (1/3)	Steam Gen 1-1	Channel W 1-1 - one third	U1 1 3-1	UT	3			
.			.		.				
B2 40	Tubesheet to Head Weld (1/3)	Steam Gen 2-1	Channel W 1-1 - one third	U2 1 3-1	UT	1			
	Tubesheet to Head Weld (1/3)	Steam Gen 2-1	Channel W 1-1 - one third	U2 1 3-1	UT	2			
	Tubesheet to Head Weld (1/3)	Steam Gen 2-1	Channel W 1-1 - one third	U2 1 3-1	UT	3			
B2 50	None (Units 1 & 2)	.	.	.	.				
B2 60	None (Units 1 & 2)			.	.				

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B2 70	None (Units 1 & 2)	.		.					
B2 80	None (Units 1 & 2)	.				.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B3 10 through B3 80 do not apply (Inspection Program A) Units 1 & 2									
B3 90	Outlet Nozzle to Vessel Weld - Loop 1	RPV 1 to *1-29SPL	338° (from Bore)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 1	RPV 1 to *1-29SPL	338° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 2	RPV 1 to *2-29SPL	22° (from Bore)	U1. 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 2	RPV 1 to *2-29SPL	22° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 3	RPV 1 to *3-29SPL	158° (from Bore)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 3	RPV 1 to *3-29SPL	158° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 4	RPV 1 to *4-29SPL	202° (from Bore)	U1 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 4	RPV 1 to *4-29SPL	202° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 1	RPV 1 to *9-27 5SPL	293° (from Bore)	U1 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 1	RPV 1 to *9-27 5SPL	293° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 2	RPV 1 to *10-27.5SPL	67° (from Bore)	U1: 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 2	RPV 1 to *10-27 5SPL	67° (from Shell)	U1: 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 3	RPV 1 to *11-27.5SPL	113° (from Bore)	U1: 1 1-1	UT	3		NDE-6B	

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Diablo Canyon 2nd Interval Rev. 2

ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Inlet Nozzle to Vessel Weld - Loop 3	RPV 1 to *11-27 5SPL	113° (from Shell)	U1 1.1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 4	RPV 1 to *12-27 5SPL	247° (from Bore)	U1 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 4	RPV 1 to *12-27 5SPL	247° (from Shell)	U1 1 1-1	UT	3		NDE-6B	
B3 100	Outlet Nozzle Inside Radius - Loop1	RPV 1 to *1-29SPL	338°	U1: 1 1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop2	RPV 1 to *2-29SPL	22°	U1 1 1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop3	RPV 1 to *3-29SPL	158°	U1. 1.1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop4	RPV 1 to *4-29SPL	202°	U1 1 1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop1	RPV 1 to *9-27 5SPL	293°	U1. 1 1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop2	RPV 1 to *10-27.5SPL	67°	U1 1 1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop3	RPV 1 to *11-27 5SPL	113°	U1· 1 1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop4	RPV 1 to *12-27.5SPL	247°	U1 1 1-1	UT	3			
	.								
B3 90	Outlet Nozzle to Vessel Weld - Loop 1	RPV 2 to 2*1-29SPL	202° (from Bore)	U2. 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 1	RPV 2 to 2*1-29SPL	202° (from Shell)	U2 1.1-1	UT	3		NDE-6B	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Outlet Nozzle to Vessel Weld - Loop 2	RPV 2 to 2*2-29SPL	158° (from Bore)	U2 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 2	RPV 2 to 2*2-29SPL	158° (from Shell)	U2 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 3	RPV 2 to 2*3-29SPL	22° (from Bore)	U2 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 3	RPV 2 to 2*3-29SPL	22° (from Shell)	U2 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 4	RPV 2 to 2*4-29SPL	338° (from Bore)	U2 1 1-1	UT	3		NDE-6B	
	Outlet Nozzle to Vessel Weld - Loop 4	RPV 2 to 2*4-29SPL	338° (from Shell)	U2 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 1	RPV 2 to 2*9-27 5SPL	247° (from Bore)	U2. 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 1	RPV 2 to 2*9-27 5SPL	247° (from Shell)	U2 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 2	RPV 2 to 2*10-27.5SPL	113° (from Bore)	U2 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 2	RPV 2 to 2*10-27.5SPL	113° (from Shell)	U2. 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 3	RPV 2 to 2*11-27.5SPL	67° (from Bore)	U2 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 3	RPV 2 to 2*11-27 5SPL	67° (from Shell)	U2 1 1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 4	RPV 2 to 2*12-27 5SPL	293° (from Bore)	U2 1.1-1	UT	3		NDE-6B	
	Inlet Nozzle to Vessel Weld - Loop 4	RPV 2 to 2*12-27 5SPL	293° (from Shell)	U2 1.1-1	UT	3		NDE-6B	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B3 100	Outlet Nozzle Inside Radius - Loop1	RPV2 to 2*1-29SPL	202°	U2 1 1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop2	RPV2 to 2*2-29SPL	158°	U2 1 1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop3	RPV2 to 2*3-29SPL	22°	U2 1.1-1	UT	3			
	Outlet Nozzle Inside Radius - Loop4	RPV2 to 2*4-29SPL	338°	U2 1.1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop1	RPV2 to 2*9-27 5SPL	247°	U2 1.1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop2	RPV2 to 2*10-27 5SPL	113°	U2 1.1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop3	RPV2 to 2*11-27 5SPL	67°	U2 1 1-1	UT	3			
	Inlet Nozzle Inside Radius - Loop4	RPV2 to 2*12-27 5SPL	293°	U2 1 1-1	UT	3			
B3 110	NOTE Unit 1 Pressurizer nozzles cast	Pressurizer Nozzles	None	U1: 1 2-1	N/A	.			
B3 120	Pzr 1 Spray Line Nozzle Inside Radius	Pzr 1 to S6-15-4SPL	Inside Radius Section	U1: 1 2-1	UT	1			
	Pzr 1 Safety Line Nozzle Inside Radius	Pzr 1 to S6-727-6SPL	Inside Radius Section	U1 1 2-1	UT	2			
	Pzr 1 Safety Line Nozzle Inside Radius	Pzr 1 to S6-728-6SPL	Inside Radius Section	U1· 1.2-1	UT	3			
	Pzr 1 Safety Line Nozzle Inside Radius	Pzr 1 to S6-729-6SPL	Inside Radius Section	U1 1 2-1	UT	1			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Pzr 1 Relief Line Nozzle Inside Radius	Pzr 1 to S6-730-6SPL	Inside Radius Section	U1 1.2-1	UT	2			
	Pzr 1 Surge Line Nozzle Inside Radius	Pzr 1 to *16-14SPL	Inside Radius Section	U1 1 2-1	None			NDE-8, R1	
.		.	.	.	.	.			
B3 110	Pzr 2 Spray Line Nozzle to Vessel Weld	Pzr 2 to 2S6-15-4SPL	WIB-346 (N-V)	U2. 1.2-1	UT	2			
	Pzr 2 Safety Line Nozzle to Vessel Weld	Pzr 2 to 2S6-727-6SPL	WIB-358 (N-V)	U2 1 2-1	UT	3			
	Pzr 2 Safety Line Nozzle to Vessel Weld	Pzr 2 to 2S6-728-6SPL	WIB-422A (N-V)	U2 1.2-1	UT	2			
	Pzr 2 Safety Line Nozzle to Vessel Weld	Pzr 2 to 2S6-729-6SPL	WIB-368 (N-V)	U2 1.2-1	UT	1			
	Pzr 2 Relief Line Nozzle to Vessel Weld	Pzr 2 to 2S6-730-6SPL	WIB-379 (N-V)	U2 1 2-1	UT	3			
	Pzr 2 Surge Line Nozzle to Vessel Weld	Pzr 2 to 2*16-14SPL	WIB-439A (N-V)	U2· 1 2-1	UT	1		NDE-25	
B3 120	Pzr 2 Spray Line Nozzle Inside Radius	Pzr 2 to 2S6-15-4SPL	Inside Radius Section	U2· 1 2-1	UT	1			
	Pzr 2 Safety Line Nozzle Inside Radius	Pzr 2 to 2S6-727-6SPL	Inside Radius Section	U2. 1 2-1	UT	2			
	Pzr 2 Safety Line Nozzle Inside Radius	Pzr 2 to 2S6-728-6SPL	Inside Radius Section	U2 1 2-1	UT	3			
	Pzr 2 Safety Line Nozzle Inside Radius	Pzr 2 to 2S6-729-6SPL	Inside Radius Section	U2 1.2-1	UT	1			
	Pzr 2 Relief Line Nozzle Inside Radius	Pzr 2 to 2S6-730-6SPL	Inside Radius Section	U2 1 2-1	UT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Pzr 2 Surge Line Nozzle Inside Radius	Pzr 2 to 2*16-14SPL	Inside Radius Section	U2 1.2-1	None	.		NDE-8, R1	
B3 130	NOTE U1 Stm Generator nozzles cast	U1 Steam Generators	None	U1. 1 3-1	N/A	.			
B3 140	SG 1-1 Inlet Nozzle Inside Radius	SG 1-1 to *1-29SPL	Inside Radius Section	U1· 1 3-1	None			NDE-9	
	SG 1-1 Outlet Nozzle Inside Radius	SG 1-1 to *5-31SPL	Inside Radius Section	U1 1 3-1	None			NDE-9	
	SG 1-2 Inlet Nozzle Inside Radius	SG 1-2 to *2-29SPL	Inside Radius Section	U1 1 3-1	None			NDE-9	
	SG 1-2 Outlet Nozzle Inside Radius	SG 1-2 to *6-31SPL	Inside Radius Section	U1. 1 3-1	None			NDE-9	
	SG 1-3 Inlet Nozzle Inside Radius	SG 1-3 to *3-29SPL	Inside Radius Section	U1. 1 3-1	None	.		NDE-9	
	SG 1-3 Outlet Nozzle Inside Radius	SG 1-3 to *7-31SPL	Inside Radius Section	U1 1 3-1	None			NDE-9	
	SG 1-4 Inlet Nozzle Inside Radius	SG 1-4 to *4-29SPL	Inside Radius Section	U1 1 3-1	None			NDE-9	
	SG 1-4 Outlet Nozzle Inside Radius	SG 1-4 to *8-31SPL	Inside Radius Section	U1 1 3-1	None	.		NDE-9	
B3 130	NOTE U2 Stm Generator nozzles cast	U2 Steam Generators	None	U2 1 3-1	N/A	.			
B3 140	SG 2-1 Inlet Nozzle Inside Radius	SG 2-1 to 2*1-29SPL	Inside Radius Section	U2 1.3-1	None	.		NDE-9	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	SG 2-1 Outlet Nozzle Inside Radius	SG 2-1 to 2*5-31SPL	Inside Radius Section	U2 1 3-1	None	.		NDE-9	
	SG 2-2 Inlet Nozzle Inside Radius	SG 2-2 to 2*2-29SPL	Inside Radius Section	U2 1.3-1	None	.		NDE-9	
	SG 2-2 Outlet Nozzle Inside Radius	SG 2-2 to 2*6-31SPL	Inside Radius Section	U2 1.3-1	None	.		NDE-9	
	SG 2-3 Inlet Nozzle Inside Radius	SG 2-3 to 2*3-29SPL	Inside Radius Section	U2 1 3-1	None	.		NDE-9	
	SG 2-3 Outlet Nozzle Inside Radius	SG 2-3 to 2*7-31SPL	Inside Radius Section	U2 1 3-1	None	.		NDE-9	
	SG 2-4 Inlet Nozzle Inside Radius	SG 2-4 to 2*4-29SPL	Inside Radius Section	U2 1 3-1	None	.		NDE-9	
	SG 2-4 Outlet Nozzle Inside Radius	SG 2-4 to 2*8-31SPL	Inside Radius Section	U2 1 3-1	None			NDE-9	
B3 150	None (Units 1 & 2)								
B3 160	None (Units 1 & 2)	.			.	.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B4 10	Included in Pressure Test tables (Units 1 & 2)								
B4 20	Included in Pressure Test tables (Units 1 & 2)								

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES

Note: Tables B-F, B-J, C-F-1, and C-F-2 have been replaced by RI-ISI program located under Tab-3 of this program plan.

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B6 10	RPV1 Closure Head Nuts	RPV Bolting > 2" diam	RPV1 Nuts 1 to 18	U1. 1.1-1	MT	1			
	RPV1 Closure Head Nuts	RPV Bolting > 2" diam	RPV1 Nuts 19 to 36	U1 1 1-1	MT	2			
	RPV1 Closure Head Nuts	RPV Bolting > 2" diam	RPV1 Nuts 37 to 54	U1: 1 1-1	MT	3			
B6 20	Not Applicable Units 1 & 2 (studs are removed for examination)								
B6 30	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 1 to 18	U1 1 1-1	MT	1			
	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 1 to 18	U1 1 1-1	UT	1			
	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 19 to 36	U1 1.1-1	MT	2			
	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 19 to 36	U1 1 1-1	UT	2			
	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 37 to 54	U1. 1 1-1	MT	3			
	RPV1 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV1 Studs 37 to 54	U1· 1 1-1	UT	3			
B6 40	RPV1 Threads in Flange (Ligamants)	RPV Bolting > 2" diam	RPV1 Ligament 27 to 54 (cw)	U1· 1 1-1	UT	1			
	RPV1 Threads in Flange (Ligamants)	RPV Bolting > 2" diam	RPV1 Ligament 54 to 27 (cw)	U1: 1.1-1	UT	3			
B6 50	RPV1 Closure Washers	RPV Bolting > 2" diam	RPV1 Washer 1 to 18	U1. 1.1-1	VT-1	1			
	RPV1 Closure Washers	RPV Bolting > 2" diam	RPV1 Washer 19 to 36	U1 1 1-1	VT-1	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	RPV1 Closure Washers	RPV Bolting > 2" diam	RPV1 Washer 37 to 54	U1: 1.1-1	VT-1	3			
.	.	.		.		.			
B6 10	RPV2 Closure Head Nuts	RPV Bolting > 2" diam	RPV2 Nuts 1 to 18	U2 1 1-1	MT	1			
	RPV2 Closure Head Nuts	RPV Bolting > 2" diam	RPV2 Nuts 19 to 36	U2 1 1-1	MT	2			
	RPV2 Closure Head Nuts	RPV Bolting > 2" diam	RPV2 Nuts 37 to 54	U2 1.1-1	MT	3			
B6 30	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 1 to 18	U2 1.1-1	MT	1			
	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 1 to 18	U2 1 1-1	UT	1			
	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 19 to 36	U2 1.1-1	MT	2			
	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 19 to 36	U2 1.1-1	UT	2			
	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 37 to 54	U2 1.1-1	MT	3			
	RPV2 Closure Head Studs (Removed)	RPV Bolting > 2" diam	RPV2 Studs 37 to 54	U2 1.1-1	UT	3			
B6 40	RPV2 Threads in Flange (Ligamants)	RPV Bolting > 2" diam	RPV2 Ligament 41 to 15 (cw)	U2 1 1-1	UT	1			
	RPV2 Threads in Flange (Ligamants)	RPV Bolting > 2" diam	RPV2 Ligament 15 to 41 (cw)	U2 1 1-1	UT	3			
B6 50	RPV2 Closure Washers	RPV Bolting > 2" diam	RPV2 Washer 1 to 18	U2 1 1-1	VT-1	1			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	RPV2 Closure Washers	RPV Bolting > 2" diam	RPV2 Washer 19 to 36	U2 1.1-1	VT-1	2			
	RPV2 Closure Washers	RPV Bolting > 2" diam	RPV2 Washer 37 to 54	U2 1 1-1	VT-1	3			
B6 60	None (Units 1 & 2)		.			.			
through	None (Units 1 & 2)			.		.			
B6 170	None (Units 1 & 2)		.	.	.	.			
.			.	.	.				
B6 180	RCP 1-2 Main Flange Bolts	Pump Bolting > 2" diam	RCP 1-2 Bolts 18-1 (cw)	U1: 1 5-1	UT	1			
	RCP 1-2 Main Flange Bolts	Pump Bolting > 2" diam	RCP 1-2 Bolts 2-9 (cw)	U1· 1.5-1	UT	2			
	RCP 1-2 Main Flange Bolts	Pump Bolting > 2" diam	RCP 1-2 Bolts 10-17 (cw)	U1. 1 5-1	UT	3			
B6 190	RCP Flange Surface, If Disassembled	Pump Bolting > 2" diam	RCP 1-2 or as applicable	U1 1.5-1	VT-1	TBD			
			.			.			
B6 180	RCP 2-1 Main Flange Bolts	Pump Bolting > 2" diam	RCP 2-1 Bolts 23-6 (cw)	U2 1 5-1	UT	1			
	RCP 2-1 Main Flange Bolts	Pump Bolting > 2" diam	RCP 2-1 Bolts 7-14 (cw)	U2· 1 5-1	UT	2			
	RCP 2-1 Main Flange Bolts	Pump Bolting > 2" diam	RCP 2-1 Bolts 15-22 (cw)	U2: 1 5-1	UT	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B6 190	RCP Flange Surface, If Disassembled	Pump Bolting > 2" diam	RCP 2-1 or as applicable	U2 1.5-1	VT-1	TBD			
B6 200	None (Units 1 & 2)	.				.			
B6 210	None (Units 1 & 2)					.			
B6 220	None (Units 1 & 2)	.	.	.		.			
B6 230	None (Units 1 & 2)				.	.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B7 10	RPV1 Thermocouple Clamp Bolts (15)	RPV Bolting < 2" diam	RPV1 Marmon Clamps (5 X 3)	U1: 1 1-1	VT-1	1			
	.	.				.			
B7 10	RPV2 Thermocouple Clamp Bolts (15)	RPV Bolting < 2" diam	RPV2 Marmon Clamps (5 X 3)	U2. 1 1-1	VT-1	1			
.	.	.		.					
B7.20	Pzr1 Manway Bolts (16)	Pzr Bolting < 2" diam	Pzr1 Manway Bolts	U1· 1 2-1	VT-1	1			
.			.	.		.			
B7 20	Pzr2 Manway Bolts (16)	Pzr Bolting < 2" diam	Pzr2 Manway Bolts	U2 1.2-1	VT-1	1			
		.	.	.	.	.			
B7 30	Stm Gen 1-2 Inlet Manway Studs & Nuts	SG Bolting < 2" diam	SG1-2 Inlet Manway Bolting	U1 1.3-1	VT-1	2			
	Stm Gen 1-2 Outlet Manway Studs & Nuts	SG Bolting < 2" diam	SG1-2 Outlet Manway Bolting	U1 1 3-1	VT-1	2			
	.		.			.			
B7 30	Stm Gen 2-2 Inlet Manway Studs & Nuts	SG Bolting < 2" diam	SG2-2 Inlet Manway Bolting	U2 1 3-1	VT-1	2			
	Stm Gen 2-2 Outlet Manway Studs & Nuts	SG Bolting < 2" diam	SG2-2 Outlet Manway Bolting	U2 1 3-1	VT-1	2			
B7.40	None (Units 1 & 2)	.		.		.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B7 50	U1 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	S6-727-6 RV-8010C Inlet Flg	U1. 1 4-23	VT-1	3			
	U1 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	S6-728-6 RV-8010B Inlet Flg	U1 1 4-22	VT-1	2			
	U1 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	S6-729-6 RV-8010A Inlet Flg	U1· 1 4-21	VT-1	1			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-54-1 5 (WIB-1021/WIB-1022)	U1 1 4-42	VT-1	1			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-55-1 5 (WIB-980/WIB-981)	U1· 1.4-43	VT-1	2			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-56-1.5 (WIB-991/WIB-992)	U1· 1 4-44	VT-1	3			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-57-1.5 (WIB-1004/WIB-1005)	U1 1 4-45	VT-1	3			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1991-1 5 (FE-924)	U1: 1 4-64	VT-1	1			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1991-1.5 (RO 559)	U1 1 4-64	VT-1	1			Installed 1R9
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1992-1.5 (FE-925)	U1. 1.4-67	VT-1	2			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1992-1 5 (RO 560)	U1· 1 4-67	VT-1	2			Installed 1R9
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1993-1 5 (FE-926)	U1 1.4-70	VT-1	3			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1993-1 5 (RO 561)	U1 1 4-70	VT-1	3			Installed 1R9

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1994-1 5 (FE-927)	U1 1 4-64	VT-1	3			
	U1 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	S6-1994-1 5 (RO 562)	U1 1 4-64	VT-1	3			Installed 1R9
B7 50	U2 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-727-6 2RV-8010C Inlet Flg	U2 1 4-21	VT-1	3			
	U2 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-728-6 2RV-8010B Inlet Flg	U2 1 4-20	VT-1	2			
	U2 Pipe Flange Bolting (12 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-729-6 2RV-8010A Inlet Flg	U2 1 4-19	VT-1	1			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-54-1 5 (WIB-842/WIB-843)	U2 1 4-40	VT-1	1			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-5398-1 5 (WIB-857/WIB-858A)	U2 1 4-41	VT-1	2			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-5398-1 5 (WIB-858S/WIB-858T)	U2 1.4-41	VT-1	2			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-56-1 5 (WIB-869/WIB-870A)	U2 1 4-42	VT-1	3			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-57-1 5 (WIB-882/WIB-883A)	U2 1 4-43	VT-1	3			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1991-1 5 (2-FE-924)	U2 1 4-59	VT-1	1			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1991-1 5 (2-RO-559)	U2 1 4-59	VT-1	1			Installed 2R8
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1992-1.5 (2-FE-925)	U2 1 4-61	VT-1	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1992-1.5 (2-RO-560)	U2 1.4-61	VT-1	2			Installed 2R8
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1993-1 5 (2-FE-926)	U2 1 4-63	VT-1	3			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam	2S6-1993-1 5 (2-RO-561)	U2: 1 4-63	VT-1	3			Installed 2R8
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam.	2S6-1994-1 5 (2-FE-927)	U2 1 4-65	VT-1	3			
	U2 Pipe Flange Bolting (4 Studs & Nuts)	Pipe Bolting < 2" diam.	2S6-1994-1 5 (2-RO-562)	U2 1 4-65	VT-1	3			Installed 2R8
.		.		.		.			
B7 60	RC Pump 1-3 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U1. 1 5-1	VT-1	1			
	RC Pump 1-3 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U1. 1 5-1	VT-1	2			
	RC Pump 1-3 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U1: 1 5-1	VT-1	3			
.	.	.							
B7 60	RC Pump 2-1 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U2 1 5-1	VT-1	1			
	RC Pump 2-1 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U2 1 5-1	VT-1	2			
	RC Pump 2-1 Seal House Bolts	Pump Bolting <2" diam (12)	4 Bolts	U2 1 5-1	VT-1	3			
	.	.	.	.	.	.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B7.70	HL Recirc before V-8702. Bolts <2" diam	S6-109-14SPL	V-8702 16 Studs & Nuts	U1 1 4-7	VT-1	1			
	Loop 4 HL before V-8701 Bolts <2" diam	S6-1665-14SPL	V-8701 16 Studs & Nuts	U1 1 4-7	VT-1	2			
	Accumulator Inj Loop 1: Bolts <2" diam	S6-253-10SPL+	V-8956A 16 Studs & Nuts	U1. 1 4-8	VT-1	1			
	Accumulator Inj Loop 1: Bolts <2" diam	S6-253-10SPL+	V-8948A 16 Studs & Nuts	U1 1 4-8	VT-1	2			
	Accumulator Inj Loop 2 Bolts <2" diam	S6-254-10SPL+	V-8956B 16 Studs & Nuts	U1: 1 4-9	VT-1	2			
	Accumulator Inj Loop 2 Bolts <2" diam	S6-254-10SPL+	V-8948B 16 Studs & Nuts	U1: 1 4-9	VT-1	3			
	Accumulator Inj Loop 3 Bolts <2" diam	S6-255-10SPL+	V-8956C 16 Studs & Nuts	U1 1 4-10	VT-1	1			
	Accumulator Inj Loop 3 Bolts <2" diam	S6-255-10SPL+	V-8948C 16 Studs & Nuts	U1 1.4-10	VT-1	3			
	Accumulator Inj Loop 4 Bolts <2" diam	S6-256-10SPL+	V-8956D 16 Studs & Nuts	U1 1 4-11	VT-1	2			
	Accumulator Inj Loop 4 Bolts <2" diam	S6-256-10SPL+	V-8948D 16 Studs & Nuts	U1: 1 4-11	VT-1	3			
	SIS to RCS Loop 1 HL Bolts <2" diam	S6-2575-8	V-8740A 16 Studs & Nuts	U1: 1 4-12	VT-1	1			
	SIS to RCS Loop 2 HL Bolts <2" diam	S6-2576-8	V-8740B. 16 Studs & Nuts	U1 1 4-12	VT-1	3			
	Safety Inj Loop 1 Hot Leg Bolts <2" diam	S6-235-6SPL+	V-8949A 12 Studs & Nuts	U1 1 4-13	VT-1	1			
	Safety Inj Loop 2 Hot Leg Bolts <2" diam	S6-236-6SPL+	V-8949B 12 Studs & Nuts	U1 1 4-14	VT-1	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Safety Inj Loop 3 Hot Leg Bolts <2" diam	S6-237-6SPL+	V-8949C. 12 Studs & Nuts	U1: 1.4-15	VT-1	3			
	Safety Inj Loop 4 Hot Leg Bolts <2" diam	S6-238-6SPL+	V-8949D 12 Studs & Nuts	U1 1 4-6	VT-1	3			
	RHR Pump 1-1 Inj CL 1 Bolts <2" diam	S6-3844-6SPL+	V-8818A 12 Studs & Nuts	U1· 1 4-17	VT-1	1			
	RHR Pump 1-1 Inj CL 2 Bolts <2" diam	S6-3845-6SPL+	V-8818B 12 Studs & Nuts	U1: 1.4-18	VT-1	2			
	RHR Pump 1-2 Inj CL 3 Bolts <2" diam	S6-3846-6SPL+	V-8818C: 12 Studs & Nuts	U1: 1.4-19	VT-1	3			
	RHR Pump 1-2 Inj CL 4 Bolts <2" diam	S6-3847-6SPL+	V-8818D. 12 Studs & Nuts	U1 1 4-20	VT-1	3			
	Pzr RV-8010A Inlet Bolts <2" diam	S6-729-6	RV-8010A· 8 Bonnet Studs & Nuts	U1. 1 4-21	VT-1	1			
	Pzr RV-8010B Inlet Bolts <2" diam	S6-728-6	RV-8010B 8 Bonnet Studs & Nuts	U1: 1 4-22	VT-1	2			
	Pzr RV-8010C Inlet Bolts <2" diam	S6-727-6	RV-8010C 8 Bonnet Studs & Nuts	U1: 1 4-23	VT-1	3			
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2
									Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2.
									Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
									Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2.

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Diablo Canyon 2nd Interval Rev. 2

ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
.			.	.		.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.			.	.					Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.	.	.	.	.		.			
B7.70	HL Recirc before 2V-8702. Bolts <2" diam	2S6-109-14SPL	2V-8702 16 Studs & Nuts	U2 1 4-10	VT-1	1			
	Loop 4 HL before 2V-8701 Bolts <2" diam	2S6-1665-14SPL	2V-8701 16 Studs & Nuts	U2 1 4-10	VT-1	2			
	Accumulator Inj Loop 1 Bolts <2" diam	2S6-253-10SPL+	2V-8956A 16 Studs & Nuts	U2 1 4-6	VT-1	1			
	Accumulator Inj Loop 1 Bolts <2" diam	2S6-253-10SPL+	2V-8948A 16 Studs & Nuts	U2. 1 4-6	VT-1	2			
	Accumulator Inj Loop 2 Bolts <2" diam	2S6-254-10SPL+	2V-8956B 16 Studs & Nuts	U2. 1 4-7	VT-1	2			
	Accumulator Inj Loop 2 Bolts <2" diam	2S6-254-10SPL+	2V-8948B: 16 Studs & Nuts	U2. 1.4-7	VT-1	3			
	Accumulator Inj Loop 3 Bolts <2" diam	2S6-255-10SPL+	2V-8956C. 16 Studs & Nuts	U2: 1 4-8	VT-1	1			
	Accumulator Inj Loop 3 Bolts <2" diam	2S6-255-10SPL+	2V-8948C 16 Studs & Nuts	U2. 1 4-8	VT-1	3			
	Accumulator Inj Loop 4 Bolts <2" diam	2S6-256-10SPL+	2V-8956D. 16 Studs & Nuts	U2: 1 4-9	VT-1	2			
	Accumulator Inj Loop 4 Bolts <2" diam	2S6-256-10SPL+	2V-8948D 16 Studs & Nuts	U2. 1 4-9	VT-1	3			
	SIS to RCS Loop 1 HL Bolts <2" diam	2S6-2575-8	2V-8740A 16 Studs & Nuts	U2 1 4-11	VT-1	1			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	SIS to RCS Loop 2 HL: Bolts <2" diam	2S6-2576-8	2V-8740B 16 Studs & Nuts	U2 1 4-12	VT-1	3			
	Safety Inj Loop 1 Hot Leg Bolts <2" diam	2S6-235-6SPL+	2V-8949A 12 Studs & Nuts	U2 1 4-11	VT-1	1			
	Safety Inj Loop 2 Hot Leg Bolts <2" diam	2S6-236-6SPL+	2V-8949B 12 Studs & Nuts	U2 1 4-12	VT-1	2			
	Safety Inj Loop 3 Hot Leg Bolts <2" diam	2S6-237-6SPL+	2V-8949C 12 Studs & Nuts	U2 1 4-13	VT-1	3			
	Safety Inj Loop 4 Hot Leg Bolts <2" diam	2S6-238-6SPL+	2V-8949D 12 Studs & Nuts	U2: 1 4-14	VT-1	3			
	RHR Pump 2-1 Inj CL 1 Bolts <2" diam	2S6-3844-6SPL+	2V-8818A 12 Studs & Nuts	U2: 1 4-15	VT-1	1			
	RHR Pump 2-1 Inj CL 2 Bolts <2" diam	2S6-3845-6SPL+	2V-8818B 12 Studs & Nuts	U2. 1 4-16	VT-1	2			
	RHR Pump 2-2 Inj CL 3 Bolts <2" diam	2S6-3846-6SPL+	2V-8818C 12 Studs & Nuts	U2: 1 4-17	VT-1	3			
	RHR Pump 2-2 Inj CL 4 Bolts <2" diam	2S6-3847-6SPL+	2V-8818D 12 Studs & Nuts	U2: 1 4-18	VT-1	3			
	Pzr 2RV-8010A Inlet Bolts <2" diam	2S6-729-6SPL	2RV-8010A 8 Bonnet Studs & Nuts	U2: 1 4-19	VT-1	1			
	Pzr 2RV-8010B Inlet: Bolts <2" diam	2S6-728-6SPL	2RV-8010B 8 Bonnet Studs & Nuts	U2 1 4-20	VT-1	2			
	Pzr 2RV-8010C Inlet: Bolts <2" diam	2S6-727-6SPL	2RV-8010C 8 Bonnet Studs & Nuts	U2 1 4-21	VT-1	3			
.	.	.				.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.	.	.	.		.	.			Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
.	.				.				Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
					.	.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
					.	.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
			.	.		.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.		.		.					Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
.	.	.		.					Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
	.								Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2.
.	.	.	.		.				Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
		.		.	.				Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
.			.	.	.	.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.			.						Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.			.	.					Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
.	.	.		.	.				Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2.
.	.	.	.	.	.				Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2
	.	.							Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	.		.	.	.	.			Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2
				.	.	.			Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
		.		.	.	.			Components shown in Rev 1 removed here per. Table IWB-2500-1 note 2
.			.	.	.	.			Components shown in Rev. 1 removed here per Table IWB-2500-1 note 2.
.		.				.			Components shown in Rev. 1 removed here per. Table IWB-2500-1 note 2.
.	.	.							
B7.80	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM M-10, 6 Bolts	U1 1 1-1	VT-1	1			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM M-6, 6 Bolts	U1 1.1-1	VT-1	1			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM K-4, 6 Bolts	U1 1 1-1	VT-1	2			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM F-4, 6 Bolts	U1 1 1-1	VT-1	2			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM D-6, 6 Bolts	U1: 1 1-1	VT-1	3			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM D-10, 6 Bolts	U1. 1 1-1	VT-1	3			
	CRD Housings Bolts <2" diam	RPV1	Part Length CRDM F-12, 6 Bolts	U1. 1.1-1	VT-1	3			
	.	.	.	.	.	.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B7.80	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM M-10, 6 Bolts	U2 1 1-1A	VT-1	1			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM M-6, 6 Bolts	U2 1 1-1A	VT-1	1			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM K-4, 6 Bolts	U2 1.1-1A	VT-1	2			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM F-4, 6 Bolts	U2 1 1-1A	VT-1	2			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM D-6, 6 Bolts	U2 1 1-1A	VT-1	3			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM D-10, 6 Bolts	U2 1 1-1A	VT-1	3			
	CRD Housings Bolts <2" diam	RPV2	Part Length CRDM F-12, 6 Bolts	U2 1 1-1A	VT-1	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B8 10	None (Units 1 & 2)					.			
B8 20	Pressurizer 1 Support Skirt Weld (1/3)	Pressurizer 1	Girth 10 - one third	U1. 1 2-1	UT	1			
	Pressurizer 1 Support Skirt Weld (1/3)	Pressurizer 1	Girth 10 - one third	U1. 1 2-1	UT	2			
	Pressurizer 1 Support Skirt Weld (1/3)	Pressurizer 1	Girth 10 - one third	U1. 1 2-1	UT	3			
.	.		.	.	.	.			
B8.20	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2: 1.2-1	MT	1		NDE-26, R1	
	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2: 1 2-1	UT	1		NDE-26, R1	
	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2. 1 2-1	MT	2		NDE-26, R1	
	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2 1 2-1	UT	2		NDE-26, R1	
	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2 1 2-1	MT	3		NDE-26, R1	
	Pressurizer 2 Support Skirt Weld (1/3)	Pressurizer 2	Girth 10 - one third	U2 1 2-1	UT	3		NDE-26, R1	

NOTE B-J WELDS NOW INCLUDED IN RI-ISI PROGRAM

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B10 10	Piping Integrally Welded Attachments	NOTE: Only lines with welded attachments are listed							
	Hot Leg Recirc bef V-8702 Welded Attachment	S6-109-14SPL	56N-6V Paramount	U1 1.4-6	PT	1			
	Loop 4 Hot Leg bef V-8701. Welded Attachment	S6-1665-14SPL	56N-4R Paramount	U1·1 4-7	PT	1			
	Loop 4 Hot Leg bef V-8701: Welded Attachment	S6-1665-14SPL	56N-5V Paramount	U1 1 4-7	PT	1			
	Accumulator Injection Lp 2. Welded Attachment	S6-254-10SPL	52-24V Paramount	U1·1 4-9	PT	2			
	Accumulator Injection Lp 3 Welded Attachment	S6-255-10SPL	57N-4V Paramount	U1 1 4-10	PT	3			
	RHR Pp 1-1 Inj Cold Leg 1 Welded Attachment	S6-3844-6SPL	42-41V Paramount	U1 1 4-17	PT	2			
	RHR Pp 1-1 Inj Cold Leg 2 Welded Attachment	S6-3845-6SPL	42-44V Paramount	U1 1.4-18	PT	3			
	RHR Pp 1-2 Inj Cold Leg 4. Welded Attachment	S6-3847-6SPL	58N-60R X309A-H	U1 1 4-20	PT	3			
	Loop 1 Spray Line. Welded Attachment	S6-13-4SPL	52-33A X408B	U1:1 4-26	PT	2			X408A,C not accessible
	Loop 1 Spray Line Welded Attachment	S6-13-4SPL	42-71A X409B	U1:1.4-26	PT	2			X409A not accessible
	Pzr Power RV PCV-455C Welded Attachment	S6-1172-3SPL	48-29A FWX301A-C	U1 1 4-24	PT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B10 10	Piping Integrally Welded Attachments	NOTE Only lines with welded attachments are listed							
	Hot Leg Recirc bef 2V-8702 Welded Attachment	2S6-109-14SPL	6-6V	U2 1 4-10	PT	2			
	Hot Leg Recirc bef 2V-8702 Welded Attachment	2S6-109-14SPL	72-20SL	U2 1 4-10	PT	2			
	Loop 4 Hot Leg bef 2V-8701· Welded Attachment	2S6-1665-14SPL	6-5V	U2 1 4-10	PT	1			
	Accumulator Injection Lp 2: Welded Attachment	2S6-254-10SPL	2-24V	U2 1.4-7	PT	2			
	Accumulator Injection Lp 3· Welded Attachment	2S6-255-10SPL	7-4V	U2 1.4-8	PT	3			
	Accumulator Injection Lp 4 Welded Attachment	2S6-256-10SPL	7-2V	U2 1 4-9	PT	3			
	SIS to RCS Loop 2 Hot Leg Welded Attachment	2S6-2575-8	412-157R	U2. 1 4-11	PT	1			
	RHR Pp 2-1 Inj Cold Leg 1: Welded Attachment	2S6-3844-6SPL	92-41V	U2 1.4-15	PT	2			
	RHR Pp 2-1 Inj Cold Leg 2 Welded Attachment	2S6-3845-6SPL	92-44V	U2. 1 4-16	PT	3			
	Loop 1 Spray Line: Welded Attachment	2S6-13-4SPL	2-33R	U2 1 4-23	PT	2			
	Loop 1 Spray Line: Welded Attachment	2S6-13-4SPL	92-71R	U2. 1 4-24	PT	2			
	Pressurizer Spray Line· Welded Attachment	2S6-15-4SPL	412-84SL	U2 1 4-26	PT	1			
	Pzr Power RV 2PCV-455C Welded Attachment	2S6-1172-3SPL	989-29R	U2 1 4-35	PT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Charging Line Aux Spray: Welded Attachment	2S6-51-2SPL	409-3A	U2 1.4-38	PT	1			
	Charging Line Aux Spray: Welded Attachment	2S6-51-2SPL	898-2	U2 1 4-37	PT	1			
.			.			.			
B10.20	RC Pump 1-2: Welded Attachment	RCP 1-2 Support Lug	Lug Weld No. 2	U1: 1 5-1	PT	1		NDE-16	
	RC Pump 1-2. Welded Attachment	RCP 1-2 Support Lug	Lug Weld No 1	U1· 1 5-1	PT	2		NDE-16	
	RC Pump 1-2 Welded Attachment	RCP 1-2 Support Lug	Lug Weld No 3	U1. 1 5-1	PT	3		NDE-16	
.		.	.	.	.				
B10.20	RC Pump 2-1 Welded Attachment	RCP 2-1 Support Lug	Lug Weld No 1	U2 1 5-1	PT	2		NDE-16	
	RC Pump 2-1 Welded Attachment	RCP 2-1 Support Lug	Lug Weld No 2	U2: 1 5-1	PT	1		NDE-16	
	RC Pump 2-1. Welded Attachment	RCP 2-1 Support Lug	Lug Weld No 3	U2. 1 5-1	PT	3		NDE-16	
.	.	.		.	.				
B10.30	None (valve attachments counted as pipe)	.		.	.				

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES

Note: Tables B-F, B-J, C-F-1, and C-F-2 have been replaced by RI-ISI program located under Tab-3 of this program plan.

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B12.10	RC Pump 1-2. Pump Casing Weld	RCP 1-2 Girth Weld	RCP 1-2 Girth Weld	U1 1 5-1	VT-1	3			Code Case N-481. VT-2 exam scheduled with system pressure test
.	.	.	.	.	.				
B12.10	RC Pump 2-1: Pump Casing Weld	RCP 2-1 Girth Weld	RCP 2-1 Girth Weld	U2 1.5-1	VT-1	3			Code Case N-481 VT-2 exam scheduled with system pressure test

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B12 20	RC Pump 1-2 Pump Casing (If Disassembled)	RCP 1-2 Pump Casing	RCP 1-2 Pump Casing Interior*	U1: 1 5-1	VT-3	3			*Any Pump, If Disassembled
.			.		.	.			
B12.20	RC Pump 2-1: Pump Casing (If Disassembled)	RCP 2-1 Pump Casing	RCP 2-1 Pump Casing Interior*	U2 1 5-1	VT-3	3			*Any Pump, If Disassembled

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B12 30	None	.	.	.					
			.	.					
B12.40	None	.	.	.		.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B12 50	Loop 4 HL bef V-8701· Valve Interior If Disassembled	S6-1665-14SPL+	V-8701 Interior If Disassembled*	U1: 1 4-7	VT-3	3			*Or other Copes Vulcan GM-48SEZ (8702)
	Acumulator Inj Loop 1: Valve Interior If Disassembled	S6-253-10SPL+	V-8956A Interior If Disassembled*	U1. 1 4-8	VT-3	3			*Or other Darling 10C48Z (8948)
	RHR Pp 1-1 Inj CL 1· Valve Interior If Disassembled	S6-3844-6SPL+	V-8818A Interior If Disassembled *	U1 1 4-17	VT-3	3			*Or other Velan 6C58 (8949)
	Pzr RV-8010C Inlet Valve Interior If Disassembled	S6-727-6SPL+	RV-8010C Interior If Disassembled *	U1 1 4-23	VT-3	3			*Or other Crosby 6RV58
	SIS to RCS Loop 2 HL· Valve Interior If Disassembled	S6-2576-8	V-8740B Interior If Disassembled *	U1 1 4-12	VT-3	3			* Or other Darling 8C48Z (8905)
.	.	.	.	.	.	.			
B12.50	Loop 4 HL bef 2V-8701 Valve Interior If Disassembled	2S6-1665-14SPL+	2V-8701 Interior If Disassembled*	U2 1 4-7	VT-3	3			*Or other Copes Vulcan GM-48SEZ (8702)
	Acumulator Inj Loop 4 Valve Interior If Disassembled	2S6-256-10SPL+	2V-8956D Interior If Disassembled*	U2 1 4-9	VT-3	3			*Or other Darling 10C48Z (8948)
	Safety Inj Loop 1 HL· Valve Interior If Disassembled	2S6-235-6SPL+	2V-8949A Interior If Disassembled *	U2 1 4-11	VT-3	3			*Or other Velan 6C58 (8818)
	Pzr 2RV-8010B Inlet Valve Interior If Disassembled	2S6-728-6SPL+	2RV-8010B Interior If Disassembled *	U2· 1 4-20	VT-3	3			*Or other Crosby 6RV58
	SIS to RCS Loop 2 HL: Valve Interior If Disassembled	2S6-2576-8	V-8740B Interior If Disassembled *	U2: 1 4-12	VT-3	3			* Or other Darling 8C48Z (8905)
.	.	.	.	.	.	.			
.	.	.	.			.			*Valve numbers shown are typical Any valve of the same type and size may be examined if it is disassembled

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B13 10	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	U1: 1.1-1	VT-3	1			
	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	U1: 1 1-1	VT-3	2			
	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	U1: 1.1-1	VT-3	3			
.			.		.				
B13 10	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	U2: 1.1-1	VT-3	1			
	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	U2 1.1-1	VT-3	2			
	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	Reactor Vessel 2 Interior	U2 1.1-1	VT-3	3			
.			.		.	.			
B13 20	Not Applicable (BWR)	.	.		.	.			
B13 30	Not Applicable (BWR)	.	.	.	.	.			
B13 40	Not Applicable (BWR)			.	.	.			
.	.	.	.	.	.	.			
B13 50	None	.	.	.		.			
.	.	.	.	.	.	.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B13 60	Reactor Vessel 1 Interior Attach Beyond Beltline	RV1 Interior Attachments	RV1 Interior Attachments	U1. 1.1-1	VT-3	3			
.		.	.		.	.			
B13 60	Reactor Vessel 2 Interior Attach Beyond Beltline	RV2 Interior Attachments	RV2 Interior Attachments	U2 1.1-1	VT-3	3			
.	.	.	.	.	.	.			
B13 70	Reactor Vessel 1 Core Support Structure	RV1 Core Support	RV1 Core Support Structure	U1: 1.1-1	VT-3	3			
.				.					
B13 70	Reactor Vessel 2 Core Support Structure	RV2 Core Support	RV2 Core Support Structure	U2 1.1-1	VT-3	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B14 10	Reactor Vessel 1 Welds in CRD Housing	RV1 CRDM E-3	RV1 CRDM 56 Weld	U1: 1 1-1	PT	3			
	Reactor Vessel 1. Welds in CRD Housing	RV1 CRDM C-5	RV1 CRDM 57 Weld	U1: 1.1-1	PT	3			
	Reactor Vessel 1: Welds in CRD Housing	RV1 CRDM C-3	RV1 CRDM 73 Weld	U1: 1 1-1	PT	3			
.		.	.	.	.	.			
B14 10	Reactor Vessel 2 Welds in CRD Housing	RV2 CRDM D-4	RV2 CRDM 41 Weld	U2: 1 1-1	PT	3			
	Reactor Vessel 2 Welds in CRD Housing	RV2 CRDM D-2	RV2 CRDM 72 Weld	U2. 1 1-1	PT	3			
	Reactor Vessel 2 Welds in CRD Housing	RV2 CRDM B-4	RV2 CRDM 73 Weld	U2: 1 1-1	PT	3			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES

Due to difference in format, pressure test tables follow Class 3 supports

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
B16.20	Steam Generator Tubing in U-Tube Design	Unit 1 Steam Generators	Tubes are examined as required by Technical Specifications	.		.			
.	.	.	.	.		.			
B16 20	Steam Generator Tubing in U-Tube Design	Unit 2 Steam Generators	Tubes are examined as required by Technical Specifications	.					

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-040	2	Pzr Surge Line	*16-14SPL	WIB-69	U1 1 4-5	UT	2	TASCS, TT	
RCS-040	2	Pzr Surge Line	*16-14SPL	WIB-67	U1 1 4-5	UT	2	TASCS, TT	
RCS-040	2	Pzr Surge Line	*16-14SPL	Elbow Between WIB-69/WIB-70	U1 1 4-5	UT	2	TASCS, TT	
RCS-043	2	Pressurizer Spray Line	S6-15-4SPL	WIB-378	U1 1 4-29	UT	3	TASCS	
RCS-043	2	Pressurizer Spray Line	S6-15-4SPL	WIB-377	U1 1 4-29	UT	3	TASCS	
RCS-073	2	HL Recirc bef V-8702	S6-109-14SPL	WIB-230	U1 1 4-6	UT	3	TASCS	
RCS-053	2	Pzr Pwr RV PCV-455C	S6-1172-3SPL	WIB-373	U1 1 4-24	UT	3	TT	
RCS-057	2	Pzr RV-8010A Inlet	S6-729-6SPL+	WIB-321	U1 1 4-21	UT	3	TT	
CVCS-011A	2	Charging Line Aux Spray	S6-51-2SPL	WIB-415	U1 1 4-41	PT	2	TASCS, TT	Replacement for WIB-416
CVCS-011B	2	Charging Line Aux Spray	S6-51-2SPL	WIB-416	U1 1 4-41	PT*	N/A	TT	*WIB-416 is a butt weld with no room for UT Originally thought to be a socket weld WIB-415 chosen as a replacement
CVCS-007	2	Charging Line Loop 3	S6-50-3SPL	WIB-224	U1 1 4-35	UT	3	TASCS, TT	
CVCS-007	2	Charging Line Loop 3	S6-50-3SPL	WIB-223	U1 1 4-35	UT	3	TASCS, TT	
CVCS-007	2	Charging Line Loop 3	S6-50-3SPL	WIB-222	U1 1 4-35	UT	3	TASCS, TT	
SIS-056	2	Charging Injection Out Lp 1 CL	S6-1991-1.5SPL+	WIB-44	U1 1 4-66	PT	2	TT	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
SIS-056	2	Charging Injection Out Lp 1 CL	S6-1991-1 5SPL+	WIB-42	U1· 1 4-66	PT	2	TT	
SIS-061	2	Charging Injection Out Lp 3 CL	S6-1994-1 5SPL+	WIB-114	U1: 1 4-65B	PT	2	TT	
SIS-061	2	Charging Injection Out Lp 3 CL	S6-1994-1 5SPL+	WIB-115	U1. 1 4-65B	PT	2	TT	
RHRS-016	2	RHRHX 1 Outlet	SI-118-8IIIP	WIC-35	U1· 2 2-13	UT	2	TASCS	
RHRS-021	2	RHR Injection to Hot Leg 1&2	S1-985-12IIIP	WIC-95	U1 2 2-7	UT	3	TASCS	
RHRS-025	2	RHRHX's Outlet Cross-Tie HX 1	S1-2458-8	WIC-31	U1 2 2-13	UT	2	TASCS	
RCS-069	4	Loop 4 CL Drain RCDT	S6-961-2SPL+	WIB-339	U1 1.4-49	PT	2	None	Replacement for WIB-28D
RCS-007	4	Lp 1 CL RCS Vent/Refill	S6-1140-2SPL	WIB-28D	U1 1 4-60	PT*	N/A	None	*WIB-28D too high-rad, WIB-339 on line 961 chosen as a replacement
RCS-007	4	Lp 1 CL RCS Vent/Refill	S6-1140-2SPL	WIB-28E	U1 1 4-60	PT	2	None	
RCS-010	4	RC Pump Disch Lp 2	*10-27 5SPL	WIB-RC-2-20	U1 1 4-2	UT	3	None	
RCS-010	4	RC Pump Disch Lp 2	*10-27.5SPL	WIB-RC-2-20(SE)	U1: 1.4-2	UT	3	None	
RCS-024	4	RC Out Loop 2	*2-29SPL	WIB-RC-2-1(SE)	U1: 1 4-2	UT	3	None	
RCS-024	4	RC Out Loop 2	*2-29SPL	WIB-RC-2-1	U1· 1 4-2	UT	3	None	
RCS-033	4	RC Pp Suct Loop 2	*6-31SPL	WIB-RC-2-9	U1 1 4-2	UT	3	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-033	4	RC Pp Suct Loop 2	*6-31SPL	WIB-RC-2-10	U1: 1 4-2	UT	3	None	
RCS-034	4	Loop 2 Crossover Stub	S6-1147-3SPL	WIB-89A	U1· 1 4-31	UT	3	None	
RCS-041	4	Loop 1 Spray Line	S6-13-4SPL	WIB-416B	U1 1.4-26	UT	2	None	
RCS-041	4	Loop 1 Spray Line	S6-13-4SPL	WIB-416A	U1 1 4-26	UT	2	None	
RCS-042	4	Loop 1 Spray Line	S6-13-4SPL	WIB-414	U1 1 4-26	UT	1	None	
RCS-042	4	Loop 1 Spray Line	S6-13-4SPL	WIB-411	U1 1 4-26	UT	1	None	
RCS-042	4	Pressurizer Spray Line	S6-15-4SPL	WIB-394	U1 1 4-29	UT	1	None	
RCS-042	4	Pressurizer Spray Line	S6-15-4SPL	WIB-387	U1 1 4-29	UT	2	None	
RCS-042	4	Pressurizer Spray Line	S6-15-4SPL	WIB-386	U1. 1 4-29	UT	2	None	
RCS-042	4	Pressurizer Spray Line	S6-15-4SPL	WIB-384	U1 1.4-29	UT	2	None	
RCS-042	4	Pressurizer Spray Line	S6-15-4SPL	WIB-383	U1 1 4-29	UT	3	None	
RCS-045	4	Loop 2 Spray Line	S6-14-4SPL	WIB-430	U1: 1 4-25	UT	2	None	
RCS-045	4	Loop 2 Spray Line	S6-14-4SPL	WIB-428	U1 1 4-25	UT	2	None	
RCS-045	4	Loop 2 Spray Line	S6-14-4SPL	WIB-427	U1· 1.4-25	UT	2	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-049	4	Pzr Pwr RV PCV-456	S6-1195-3SPL	WIB-445	U1 1 4-39	UT	3	None	
RCS-049	4	Pzr Pwr RV PCV-456	S6-1195-3SPL	WIB-449	U1 1 4-39	UT	3	None	
RCS-052	4	Pzr Pwr RV PCV-455C	S6-1172-3SPL	WIB-370	U1 1 4-24	UT	2	None	
RCS-052	4	Pzr Pwr RV PCV-455C	S6-1172-3SPL	WIB-371	U1. 1 4-24	UT	2	None	
RCS-052	4	Pzr Pwr RV PCV-455C	S6-1172-3SPL	WIB-372	U1: 1 4-24	UT	2	None	
RCS-054	4	Pzr Pwr RV PCV-456	S6-1195-3SPL	WIB-454	U1 1 4-39	UT	3	None	
RCS-056	4	Pzr RV-8010A Inlet	S6-729-6SPL+	WIB-316	U1 1 4-21	UT	1	None	
RCS-058	4	Pzr RV-8010B Inlet	S6-728-6SPL+	WIB-326	U1. 1 4-22	UT	1	None	
RCS-060	4	Pzr RV-8010C Inlet	S6-727-6SPL+	WIB-334	U1· 1 4-23	UT	1	None	
RCS-062	4	Loop 1 CL Drain RCDT	S6-958-2SPL+	WIB-22	U1 1.4-46	PT	1	None	
RCS-064	4	Letdown Line Loop 2	S6-24-3SPL	WIB-113	U1 1 4-37	UT	3	None	
RCS-064	4	Letdown Line Loop 2	S6-24-3SPL	WIB-115	U1 1 4-37	UT	3	None	
RCS-064	4	Letdown Line Loop 2	S6-24-3SPL	WIB-116	U1 1 4-37	UT	3	None	
RCS-064	4	Letdown Line Loop 2	S6-24-3SPL	WIB-118	U1 1 4-37	UT	3	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-067	4	Loop 3 CL Drain RCDT	S6-960-2SPL+	WIB-251	U1 1 4-48	PT	1	None	
RCS-074	4	HL Recirc bef V-8702	S6-109-14SPL	WIB-237	U1 1 4-6	UT	1	None	
CVCS-008	4	Charging Line Loop 3	S6-50-3SPL	WIB-221	U1 1 4-35	UT	3	None	
CVCS-019	4	Cent Charg Pump 1-1 Disch	S6-45-4	WIC-45A	U1· 2 2-38	UT	1	None	
CVCS-021	4	Cent Charg Pump 1-2 Disch	S6-46-4	WIC-46A	U1 2 2-41	UT	1	None	
CVCS-078	4	Reac Cool Pp 1-3 Seal Wtr In	S6-56-2	WIB-1002	U1 1 4-44	PT	1	None	
CVCS-078	4	Reac Cool Pp 1-3 Seal Wtr In	S6-56-2	WIB-999	U1 1 4-44	PT	1	None	
CVCS-081	4	Reac Cool Pp 1-4 Seal Wtr In	S6-57-2	WIB-1018	U1 1 4-45	PT	1	None	
CVCS-081	4	Reac Cool Pp 1-4 Seal Wtr In	S6-57-2	WIB-1016	U1 1 4-45	PT	1	None	
CVCS-081	4	Reac Cool Pp 1-4 Seal Wtr In	S6-57-2	WIB-1010	U1 1 4-45	PT	1	None	
SIS-001	4	Accumulator Inj Loop 1	S6-253-10SPL	WIB-39	U1 1 4-8	UT	1	None	
SIS-003	4	Accumulator Inj Loop 3	S6-255-10SPL	WIB-207	U1 1 4-10	UT	1	None	
SIS-029	4	Charg Pps Suction From RWST Vlv A	S2-1987-8	WIC-366	U1: 2 2-29	UT	1	None	
SIS-036	4	Charging Injection Inlet	S6-2032-6	WIC-348	U1: 2 2-19	UT	1	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
SIS-036	4	Charging Injection Out	S6-2033-4	RB-2033-4	U1. 2 2-48	UT	1	None	
SIS-036	4	Charging Injection Out	S6-2033-4	WIC-2033A	U1. 2 2-48	UT	1	None	
SIS-036	4	Charging Inj Out Header	S6-1016-3	WIC-1016A	U1 2 2-53	UT	1	None	
SIS-037	4	Charging Inj Out Cold Legs	S6-1979-4	WIC-1979A	U1 2.2-50	UT	1	None	
SIS-079	4	Safety Inj Loop 2 HL	S6-236-6SPL+	WIB-74	U1· 1 4-14	UT	2	None	
SIS-094	4	Safety Inj Loop 3 HL	S6-237-6SPL+	WIB-173	U1· 1 4-15	UT	1	None	
RHRS-006	4	RHR Pp 1 Disch	S1-112-8	WIC-154	U1 2.2-9A	UT	2	None	Replacement for WIC-156
RHRS-006	4	RHR Pp 1 Disch	S1-112-8	WIC-156	U1 2 2-9A	UT*	N/A	None	*Replaced by WIC-154 (inaccessible)
RHRS-006	4	RHR Pp 1 Disch	S1-112-8	WIC-145	U1 2 2-9A	UT	2	None	
RHRS-013	4	RHR Pp 2 Disch	S1-113-8	WIC-134	U1 2 2-9B	UT	2	None	
RHRS-013	4	RHR Pp 2 Disch	S1-113-8	WIC-133	U1 2 2-9B	UT	2	None	
RHRS-015	4	RHRHX 1 Outlet	SI-118-8IIIP	WIC-16D	U1 2 2-3	UT	2	None	
RHRS-015	4	RHRHX 1 Outlet	SI-118-8IIIP	WIC-16	U1 2 2-13	UT	2	None	
RHRS-015	4	RHRHX 1 Outlet	SI-118-8IIIP	WIC-16H	U1 2 2-13	UT	2	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RHRS-020	4	RHRHX's Outlet Cross-Tie HX2	S1-1669-8III	WIC-55	U1 2 2-7	UT	1	None	
RHRS-020	4	RHRHX's Outlet Cross-Tie HX2	S1-1669-8III	WIC-89	U1 2 2-7	UT	1	None	
RHRS-024	4	RHR Sup to Spray Hdrs 1 & 3	SI-279-8IIIP	WIC-22	U1 2 2-3	UT	2	None	
RHRS-024	4	RHR Sup to Spray Hdrs 1 & 3	SI-279-8IIIP	WIC-23	U1 2 2-3	UT	2	None	
RHRS-027	4	RHRHX 2 Outlet	S1-119-8III	WIC-45C	U1 2 2-14	UT	1	None	
RHRS-027	4	RHRHX 2 Outlet	S1-119-8III	WIC-45E	U1 2 2-14	UT	1	None	
RHRS-029	4	RHR Pp Inj Cold Leg Pp 1-2	S1-119-8III	WIC-64	U1 2 2-14	UT	1	None	
RHRS-030	4	RHR to SIS Pp 1-2 & Cont Spr	S1-735-8IIIP+	WIC-70	U1: 2 2-16	UT	1	None	
RHRS-030	4	RHR to SIS Pp 1-2 & Cont Spr	S1-735-8IIIP+	WIC-71	U1 2 2-16	UT	1	None	
RHRS-034	4	RHR Injection to Hot Leg 1&2	S1-985-12IIIP	WIC-264	U1· 2 2-6	UT	1	None	
RHRS-034	4	RHR Injection to Hot Leg 1&2	S1-985-12IIIP	WIC-258	U1: 2 2-5	UT	1	None	
RWST-004	4	RWST Out Hdr	S2-221-18	RB-221-4	U1.	UT	3	None	
RWST-010	4	Refuel Water Purif Pp Suct	S2-222-4	RB-222-13	U1	UT	3	None	
RWST-010	4	Refuel Water Purif Pp Suct	S2-222-4	RB-222-14	U1.	UT	3	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RWST-012	4	Containment Spray Wtr Supply	S2-261-12	RB-261-4	U1:	UT	3	None	
RWST-012	4	Containment Spray Wtr Supply	S2-261-12	RB-261-19	U1.	UT	3	None	
CCW-001	4	RC Pps Barrier CCW Ret Hdr	K17-1357-6	WIC-1357A	U1 2 2-37	UT	3	None	
CCW-002	4	RC Pps Barrier CCW Ret Hdr	K17-1357-6	WIC-1357E	U1 2 2-37	UT	3	None	
FWS-006	5a(3)	Steam Gen 1-1 Feed Wtr Sup	K16-554-16	WICG94-1C	U1 2 2-25	UT	3	TASCS, (FAC)	
FWS-006	5a(3)	Steam Gen 1-1 Feed Wtr Sup	K16-554-16	WICG94-1B	U1 2 2-25	UT	3	TASCS, (FAC)	
FWS-012	5a(3)	Steam Gen 1-4 Feed Wtr Sup	K16-556-16	WICG-94-4B	U1 2 2-28	UT	2	TASCS, (FAC)	
CVCS-010	5a	Charging Line Loop 3	S6-50-3SPL	WIB-225	U1 1 4-35	UT	1	TASCS, TT	
SIS-007	5a	Accumulator Inj Loop 1	S6-253-10SPL	WIB-42	U1 1 4-8	UT	3	IGSCC	
SIS-077	5a	Safety Inj Loop 2 HL	S6-236-6SPL+	WIB-77	U1 1 4-14	UT	2	IGSCC	

10% of class 1 non-socket welds are to be examined, of 519 class 1 non-socket welds (counting surge line elbow) 52 welds selected

All (19) high risk welds (Cat 2) will be examined in periods 2 & 3

105 welds selected for examination, 105/3 = 35, 35 welds or 33 3% selected per period

+ + + + + + + + + +

ISI PROGRAM PLAN

Diablo Canyon 2nd Interval Rev. 2

RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-045	2	Pressurizer Surge Line	2*-16-14SPL	WIB-433A	U2 1 4-5	UT	2	TASCS, TT	
RCS-045	2	Pressurizer Surge Line	2*-16-14SPL	WIB-436	U2 1 4-5	UT	2	TASCS, TT	
RCS-045	2	Pressurizer Surge Line	2*-16-14SPL	Elbow Between WIB-436 and WIB-437	U2 1 4-5	UT	2	TASCS, TT	
RCS-049	2	Pressurizer Spray Line	2S6-15-4SPL	WIB-342	U2 1 4-26	UT	3	TASCS	
RCS-049	2	Pressurizer Spray Line	2S6-15-4SPL	WIB-343	U2 1 4-26	UT	3	TASCS	
RCS-079	2	Hot Leg Recirc Before V-8702	2S6-109-14SPL	WIB-246	U2 1 4-10	UT	3	TASCS	
RCS-079	2	Hot Leg Recirc Before V-8702	2S6-109-14SPL	WIB-249	U2 1 4-10	UT	3	TASCS	
RCS-045	2	Pressurizer Surge Line	2*-16-14SPL	WIB-433B	U2 1 4-5	UT	2	TASCS, TT	Replacement for WIB-404
RCS-059	2	Pressurizer Pwr PV PCV 455C	S6-1172-3SPL+	WIB-404	U2 1 4-35	UT*	N/A	TT	*Replaced by WIB-433B (single side access only)
RCS-061	2	Pressurizer PWR RV PCV 456	2S6-1195-3SPL+	WIB-422	U2 1.4-36	UT	3	TT	
RCS-063	2	Pressurizer RV 8010A Inlet	2S6-729-6SPL+	WIB-378	U2 1 4-19	UT	3	TT	
CVCS-008A	2	Charging Line Aux Spray	2S6-51-2SPL+	WIB-790	U2 1.4-37	PT	2	TASCS, TT	
CVCS-005	2	Charging Line Loop 3	2S6-50-3SPL+	WIB-187	U2 1 4-31	UT	3	TASCS, TT	
CVCS-005	2	Charging Line Loop 3	2S6-50-3SPL+	WIB-186	U2 1 4-31	UT	3	TASCS, TT	

ISI PROGRAM PLAN

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
CVCS-008B	2	Charging Line Aux Spray	2S6-51-2SPL+	WIB-789	U2. 1 4-37	PT	3	TT	
SIS-054	2	Boron Inj Tk Out Loop 2 Cold	2S6-1992-1-1/2SPL+	WIB-564	U2 1 4-62	PT	2	TT	
SIS-054	2	Boron Inj Tk Out Loop 2 Cold	2S6-1992-1-1/2SPL+	WIB-563	U2 1 4-62	PT	2	TT	
SIS-055	2	Boron Inj Tk Out Loop 3 Cold	2S6-1993-1-1/2SPL+	WIB-660	U2 1 4-64	PT	2	TT	
SIS-055	2	Boron Inj Tk Out Loop 3 Cold	2S6-1993-1-1/2SPL+	WIB-659	U2 1.4-64	PT	2	TT	
SIS-056	2	Boron Inj Tk Out Loop 4 Cold	2S6-1994-1-1/2SPL+	WIB-736	U2 1 4-66	PT	2	TT	
SIS-056	2	Boron Inj Tk Out Loop 4 Cold	2S6-1994-1-1/2SPL+	WIB-735	U2 1 4-66	PT	2	TT	
RHRS-015	2	Res Ht Exchanger 1 Outlet	2S1-118-8III	WIC-68	U2. 2 2-26A	UT	3	TASCS	
RHRS-020	2	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-127	U2 2 2-3	UT	3	TASCS	
RHRS-020	2	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-128	U2 2 2-3	UT	3	TASCS	
RCS-007	4	Loop 1 Cold Leg RTD Conn	2S6-1140-2SPL	WIB-975G	U2 1 4-55	PT	2	None	
RCS-007	4	Loop 1 Cold Leg RTD Conn	2S6-1140-2SPL	WIB-975H	U2 1 4-55	PT	2	None	
RCS-009	4	Reac Coolant Pp Disch Loop 2	2*-10-27-1/2SPL	WIB-RC-2-15	U2 1 4-2	UT	3	None	
RCS-009	4	Reac Coolant Pp Disch Loop 2	2*-10-27-1/2SPL	WIB-RC-2-16(SE)	U2. 1 4-2	UT	3	None	

ISI PROGRAM PLAN

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-026	4	Reactor Coolant Out Loop 2	2*-2-29SPL	WIB-RC-2-1(SE)	U2 1 4-2	UT	3	None	
RCS-026	4	Reactor Coolant Out Loop 2	2*-2-29SPL	WIB-RC-2-2	U2 1 4-2	UT	3	None	
RCS-036	4	Reac Coolant Pp Suct Loop 2	2*-6-31SPL	WIB-RC-2-8	U2 1 4-2	UT	3	None	
RCS-036	4	Reac Coolant Pp Suct Loop 2	2*-6-31SPL	WIB-RC-2-9	U2 1 4-2	UT	3	None	
RCS-037	4	Loop 2 RTD Manifold Ret Hdr	2S6-1147-3SPL	WIB-124A	U2 1 4-28	UT	2	None	
RCS-047	4	Loop 1 Spray Line	2S6-13-4SPL	WIB-59A	U2 1 4-23	UT	1	None	
RCS-047	4	Loop 1 Spray Line	2S6-13-4SPL	WIB-59B	U2 1 4-23	UT	1	None	
RCS-047	4	Loop 1 Spray Line	2S6-13-4SPL	WIB-65C	U2 1 4-23	UT	2	None	
RCS-047	4	Loop 1 Spray Line	2S6-13-4SPL	WIB-65D	U2 1 4-23	UT	2	None	
RCS-048	4	Pressurizer Spray Line	2S6-15-4SPL	WIB-332	U2 1 4-26	UT	2	None	
RCS-048	4	Pressurizer Spray Line	2S6-15-4SPL	WIB-333	U2 1 4-26	UT	1	None	
RCS-048	4	Pressurizer Spray Line	2S6-15-4SPL	WIB-335	U2 1 4-26	UT	2	None	
RCS-048	4	Pressurizer Spray Line	2S6-15-4SPL	WIB-336	U2 1 4-26	UT	2	None	
RCS-051	4	Loop 2 Spray Line	2S6-14-4SPL	WIB-91	U2 1 4-25	UT	2	None	Replacement for WIB-92A

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-051	4	Loop 2 Spray Line	2S6-14-4SPL	WIB-92A	U2 1 4-25	UT*	N/A	None	*Replaced by WIB-91 (inaccessible)
RCS-051	4	Loop 2 Spray Line	2S6-14-4SPL	WIB-89	U2 1 4-25	UT	1	None	
RCS-051	4	Loop 2 Spray Line	2S6-14-4SPL	WIB-88	U2 1 4-24	UT	1	None	
RCS-053	4	Pressurizer RV PCV-455C In	2S6-4081-4SPL	WIB-393	U2. 1 4-22	UT	3	None	
RCS-053	4	Pressurizer RV PCV-455C In	2S6-4081-4SPL	WIB-394	U2 1 4-22	UT	3	None	
RCS-055	4	Pressurizer PWR RV PCV 456	2S6-1195-3SPL+	WIB-413	U2 1 4-36	UT	1	None	
RCS-056	4	Pressurizer PWR RV PCV 474	2S6-1171-3SPL+	WIB-410A	U2 1 4-34	UT	2	None	
RCS-058	4	Pressurizer PWR RV PCV 455C	2S6-1172-3SPL+	WIB-402	U2 1 4-35	UT	2	None	Replacement for WIB-403
RCS-058	4	Pressurizer PWR RV PCV 455C	2S6-1172-3SPL+	WIB-403	U2 1 4-35	UT*	N/A	None	*Replaced by WIB-402 (single-sided access only)
RCS-060	4	Pressurizer PWR RV PCV 456	2S6-1195-3SPL+	WIB-421	U2 1 4-36	UT	1	None	
RCS-064	4	Pressurizer RV 8010B Inlet	2S6-728-6SPL+	WIB-425	U2 1 4-20	UT	2	None	
RCS-066	4	Pressurizer RV 8010C Inlet	2S6-727-6SPL+	WIB-360	U2 1 4-21	UT	3	None	
RCS-066	4	Pressurizer RV 8010C Inlet	2S6-727-6SPL+	WIB-362	U2· 1.4-21	UT	1	None	
RCS-068	4	Loop 1 Cold Leg Drain RCDT	2S6-958-2SPL+	WIB-503	U2 1 4-44	PT	3	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RCS-070	4	Letdown Line Loop 2	2S6-24-3SPL+	WIB-144	U2. 1 4-33	UT	3	None	
RCS-070	4	Letdown Line Loop 2	2S6-24-3SPL+	WIB-146	U2. 1 4-33	UT	3	None	
RCS-070	4	Letdown Line Loop 2	2S6-24-3SPL+	WIB-147	U2 1 4-33	UT	3	None	
RCS-070	4	Letdown Line Loop 2	2S6-24-3SPL+	WIB-148	U2 1 4-33	UT	3	None	
RCS-071	4	Loop 2 Cold Leg Drain RCDT	2S6-959-2SPL+	WIB-1009	U2 1 4-45	PT	3	None	
RCS-080	4	Hot Leg Recirc Before V-8702	2S6-109-14SPL	WIB-251A	U2 1 4-10	UT	2	None	Replacement for WIB-253
RCS-080	4	Hot Leg Recirc Before V-8702	2S6-109-14SPL	WIB-253	U2 1 4-10	UT*	N/A	None	*Replaced by WIB-251A (inaccessible)
CVCS-002	4	Charging Line Loop 4	2S6-246-3SPL+	WIB-314	U2 1 4-31	UT	1	None	
CVCS-002	4	Charging Line Loop 4	2S6-246-3SPL+	WIB-312	U2 1 4-31	UT	1	None	
CVCS-015	4	Cent Charg Pump 1 Discharge	2S6-45-4	WIC-45A	U2 2 2-38	UT	1	None	
CVCS-017	4	Cent Charg Pump 2 Discharge	2S6-46-4	WIC-46A	U2 2 2-41	UT	2	None	
CVCS-064	4	Reac Cool Pp 1 Seal Wtr In	2S6-54-2	WIB-848	U2 1 4-40	PT	3	None	
CVCS-067	4	Reac Cool Pp 2 Seal Wtr In	2S6-55-2	WIB-864	U2 1 4-41	PT	3	None	
CVCS-067	4	Reac Cool Pp 2 Seal Wtr In	2S6-5398-1-1/2	WIB-858N	U2 1 4-41	PT	3	None	

ISI PROGRAM PLAN

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
CVCS-067	4	Reac Cool Pp 2 Seal Wtr In	2S6-5398-1-1/2	WIB-858I	U2 1 4-41	PT	3	None	
CVCS-070	4	Reac Cool Pp 3 Seal Wtr In	2S6-56-2	WIB-875	U2 1 4-42	PT	3	None	
CVCS-070	4	Reac Cool Pp 3 Seal Wtr In	2S6-56-2	WIB-870W	U2 1 4-42	PT	3	None	
CVCS-070	4	Reac Cool Pp 3 Seal Wtr In	2S6-56-1-1/2	WIB-870S	U2 1 4-42	PT	3	None	
CVCS-070	4	Reac Cool Pp 3 Seal Wtr In	2S6-56-1-1/2	WIB-870J	U2 1 4-42	PT	3	None	
CVCS-073	4	Reac Cool Pp 4 Seal Wtr In	2S6-57-1-1/2	WIB-883K	U2. 1 4-43	PT	3	None	
SIS-001	4	Accumulator Injection Loop 1	2S6-253-10SPL+	WIB-39	U2. 1 4-6	UT	1	None	
SIS-004	4	Accumulator Injection Loop 4	2S6-256-10SPL+	WIB-291	U2. 1 4-9	UT	1	None	
SIS-028	4	Charg Pps Suction From RWST	2S2-1987-8	WIC-1053	U2. 2 2-28	UT	1	None	
SIS-032	4	Boron Injection Tank Inlet	2S6-2032-6III	WIC-1033	U2: 2 2-15	UT	1	None	
SIS-032	4	Boron Injection Tank Inlet	2S6-2032-6III	WIC-319A	U2. 2 2-15	UT	1	None	
SIS-032	4	Boron Injection Tank Outlet	2S6-2033-4III	WIC-2033A	U2. 2 2-48	UT	1	None	
SIS-032	4	Boron Inj Tank Out Header	2S6-1016-3III+	WIC-1016A	U2 2 2-53	UT	1	None	
SIS-033	4	Charging Pumps Disch Emerg 1	2S6-1974-4III+	WIC-1974A	U2: 2 2-46	UT	1	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
SIS-034	4	Boron Inj Tk Out Cold Legs	2S6-1979-4III	WIC-1979A	U2· 2 2-50	UT	1	None	
SIS-088	4	Safety Inj Loop 3 Hot Leg	2S6-237-6SPL+	WIB-235	U2: 1 4-13	UT	1	None	
SIS-088	4	Safety Inj Loop 3 Hot Leg	2S6-237-6SPL+	WIB-234	U2: 1 4-13	UT	1	None	
RHRS-007	4	Residual Ht Rem Pp 1 Disch	2S1-112-8III	WIC-37	U2: 2 2-8	UT	2	None	
RHRS-007	4	Residual Ht Rem Pp 1 Disch	2S1-112-8III	WIC-38	U2. 2 2-8	UT	2	None	
RHRS-010	4	RHR to Charg Pps Suction	2S1-1971-8IIIP	WIC-110	U2 2 2-2	UT	1	None	
RHRS-012	4	Residual Ht Rem Pp 2 Disch	2S1-113-8III	RB-113-4	U2. 2 2-9	UT	2	None	
RHRS-012	4	Residual Ht Rem Pp 2 Disch	2S1-113-8III	RB-113-5	U2. 2 2-9	UT	2	None	
RHRS-014	4	Res Ht Exchanger 1 Outlet	2S1-118-8III	WIC-57C	U2. 2 2-26B	UT	2	None	
RHRS-014	4	Res Ht Exchanger 1 Outlet	2S1-118-8III	WIC-57G	U2. 2 2-26A	UT	2	None	
RHRS-014	4	Res Ht Exchanger 1 Outlet	2S1-118-8III	WIC-57H	U2. 2 2-26A	UT	2	None	
RHRS-021	4	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-131	U2 2 2-3	UT	1	None	
RHRS-023	4	RHR Sup to Spray Hdrs 1 & 3	2S1-279-8IIIP	WIC-121	U2 2 2-29	UT	1	None	
RHRS-025	4	RHR Exchs Outlet Cross-Tie	2S1-2458-8III	WIC-125	U2 2 2-3	UT	2	None	Replacement for WIC-123

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
RHRS-025	4	RHR Exchs Outlet Cross-Tie	2S1-2458-8III	WIC-123	U2 2 2-3	UT*	N/A	None	*Replaced by WIC-125 (single-sided access only)
RHRS-026	4	Res Ht Exchanger 2 Outlet	2S1-119-8III	RB-119-11	U2 2 2-27B	UT	3	None	
RHRS-026	4	Res Ht Exchanger 2 Outlet	2S1-119-8III	RB-119-12	U2: 2 2-27B	UT	3	None	
RHRS-028	4	Res Ht Exchanger 2 Outlet	2S1-119-8III	RB-119-33	U2 2 2-27A	UT	1	None	
RHRS-029	4	RHR to SIS Pp 1-2 & Cont Spr	2S1-735-8IIIP	WIC-269	U2 2 2-11	UT	2	None	
RHRS-029	4	RHR to SIS Pp 1-2 & Cont Spr	2S1-735-8IIIP	WIC-270	U2 2 2-11	UT	2	None	
RHRS-033	4	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-134	U2 2 2-4	UT	1	None	
RHRS-033	4	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-149B	U2 2 2-5	UT	1	None	
RWST-004	4	Refueling Wtr Stg Tk Out Hdr	2S2-221-18	RB-221-15	U2	UT	1	None	
RWST-011	4	Refuel Water Purif Pp Suct	2S2-222-4	RB-222-13	U2	UT	1	None	
RWST-011	4	Refuel Water Purif Pp Suct	2S2-222-4	RB-222-14	U2	UT	1	None	
RWST-013	4	Containment Spray Wtr Supply	2S2-261-12	RB-261-15	U2	UT	1	None	
RWST-013	4	Containment Spray Wtr Supply	2S2-261-12	RB-261-16	U2	UT	1	None	
CCW-001	4	RC Pps Barrier CCW Ret Hdr	2K17-1357-6	WIC-1357C	U2. 2 2-36	UT	2	None	

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RISK SEG.	RISK CAT.	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	DAMAGE MECH.	NOTES
CCW-001	4	RC Pps Barrier CCW Ret Hdr	2K17-1357-6	WIC-1357B	U2 2 2-36	UT	2	None	
FWS-006	5a(3)	Stm Gen 1 Feedwater Supply	2K16-554-16IV	WICG 103-1	U2. 2 2-21	UT	1	TASCS, (FAC)	
FWS-006	5a(3)	Stm Gen 1 Feedwater Supply	2K16-554-16IV	WICG 102-1	U2. 2 2-21	UT	1	TASCS, (FAC)	
FWS-011	5a(3)	Stm Gen 3 Feedwater Supply	2K16-557-16IV	RB-557-17	U2 2 2-23	UT	1	TASCS, (FAC)	
CVCS-007	5a	Charging Line Loop 3	2S6-50-3SPL+	WIB-190	U2 1 4-31	UT	1	TASCS, TT	
SIS-024	5a	Accumulator Injection Loop 1	2S6-253-10SPL+	WIB-42	U2 1 4-6	UT	2	IGSCC	
SIS-072	5a	Safety Inj Loop 2 Hot Leg	2S6-236-6SPL+	WIB-110	U2 1 4-12	UT	1	IGSCC	

10% of class 1 non-socket welds are to be examined, of 527 class 1 non-socket welds (counting surge line elbow) 53 welds are selected

All (23) high risk welds (Cat 2) will be examined in periods 2 & 3

114 welds selected for examination, 114/3 = 38, 38 welds or 33 3% selected per period

Comments transition to RIISI occurred after period 1 Actual period 1 welds scheduled and examined per original prescriptive ISIPP.

Welds assigned to period 1 in this Risk-Informed ISIPP are for scheduling purposes only

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Note: Underlined welds are selected per RIISI Bold & Italicized print indicates weld has been examined previously

System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-025	2	High	1-RCS06	High	TASCS, TT	Medium	*-16-14	***WIB-RC-2-3***	1	1 4-2
1RCS	RCS-040	2	High	1-RCS13	High	TASCS, TT	Medium	*-16-14	WIB-70, WIB-69, WIB-68, ***WIB-67***, WIB-65A, ***WIB-66***, WIB-65, Elbow Between WIB-69 and WIB-70 (does not count as a weld)	7	1 4-5
1RCS	RCS-043	2	High	1-RCS14B	High	TASCS	Medium	S6-15-4	WIB-378, WIB-377, WIB-376, WIB-375	4	1 4-29
1RCS	RCS-073	2	High	1-SI05B	High	TASCS	Medium	S6-109-14	WIB-228, WIB-229, ***WIB-230***, WIB-231, ***WIB-236***	5	1 4-6
1RCS	RCS-001	2	High	1-RCS-04	High	TT	Medium	S6-246-3	WIB-RC-4-15	1	1 4-4
1RCS	RCS-002	2	High	1-CVCS02A	High	TT	Medium	S6-50-3	WIB-RC-3-15	1	1 4-3
1RCS	RCS-008	2	High	1-RCS01A	High	TT	Medium	S6-1991-1-1/2	WIB-41A	1	1 4-1
1RCS	RCS-013	2	High	1-RCS02	High	TT	Medium	S6-1992-1-1/2	WIB-159A	1	1 4-2
1RCS	RCS-017	2	High	1-RCS03	High	TT	Medium	S6-1993-1-1/2	WIB-273A	1	1 4-3
1RCS	RCS-021	2	High	1-RCS04	High	TT	Medium	S6-1994-1-1/2	***WIB-117A***	1	1.4-4
1RCS	RCS-039	2	High	1-RCS13	High	TT	Medium	*-16-14	***WIB-71(SE)****, WIB-71	2	1.4-5
1RCS	RCS-051	2	High	1-RCS17A	High	TT	Medium	S6-1171-3	***WIB-356***	1	1 4-24
1RCS	RCS-053	2	High	1-RCS17B	High	TT	Medium	S6-1172-3	WIB-373	1	1.4-24
1RCS	RCS-055	2	High	1-RCS17C	High	TT	Medium	S6-1195-3	WIB-455	1	1 4-39
1RCS	RCS-057	2	High	1-RCS18A	High	TT	Medium	S6-729-6	***WIB-321***	1	1.4-21
1RCS	RCS-059	2	High	1-RCS18B	High	TT	Medium	S6-728-6	WIB-330	1	1 4-22
1RCS	RCS-061	2	High	1-RCS18C	High	TT	Medium	S6-727-6	WIB-339	1	1.4-23
2CVCS	CVCS-011A	2	High	1-CVCS04A	High	TASCS, TT	Medium	S6-51-2	WIB-415	1	1 4-41
2CVCS	CVCS-007	2	High	1-CVCS02A	High	TASCS, TT	Medium	S6-50-3	WIB-224, WIB-223, WIB-222	3	1 4-35
2CVCS	CVCS-001	2	High	1-CVCS01A	High	TT	Medium	S6-246-3	WIB-296	1	1.4-34
2CVCS	CVCS-003	2	High	1-CVCS01A	High	TT	Medium	S6-246-3	***WIB-292***	1	1.4-34

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-009	2	High	1-CVCS02A	High	TT	Medium	S6-50-3	WIB-220	1	1.4-35
2CVCS	CVCS-011B	2	High	1-CVCS04A	High	TT	Medium	S6-51-2	***WIB-416***	1	1 4-41
3SIS	SIS-056	2	High	1-CVCS13A	High	TT	Medium	S6-1991-1-1/2	***WIB-44***, WIB-43, ***WIB-42***, WIB-41	4	1 4-66
3SIS	SIS-059	2	High	1-CVCS13B	High	TT	Medium	S6-1992-1-1/2	***WIB-162***, ***WIB-161***, WIB-160, WIB-159	4	1 4-69
3SIS	SIS-060	2	High	1-CVCS13C	High	TT	Medium	S6-1993-1-1/2	WIB-276, WIB-275, ***WIB-274***, WIB-273	4	1 4-71
3SIS	SIS-061	2	High	1-CVCS13D	High	TT	Medium	S6-1994-1-1/2	WIB-114, ***WIB-115***, WIB-116, WIB-117	4	1 4-65B
4RHRS	RHRS-016	2	High	1-RHR06	High	TASCS	Medium	S1-118-8	WIC-34, WIC-35	2	2 2-13
4RHRS	RHRS-019	2	High	1-RHR06	High	TASCS	Medium	S1-1669-8	WIC-54	1	2 2-7
4RHRS	RHRS-021	2	High	1-RHR06	High	TASCS	Medium	S1-985-12	***WIC-95***, WIC-96, WIC-97	3	2 2-7
4RHRS	RHRS-023	2	High	1-RHR06	High	TASCS	Medium	S1-2212-8	WIC-82, WIC-81, WIC-80	3	2.2-7
4RHRS	RHRS-025	2	High	1-RHR06	High	TASCS	Medium	S1-2458-8	***WIC-31***	1	2 2-13
4RHRS	RHRS-028	2	High	1-RHR06	High	TASCS	Medium	S1-119-8	WIC-58, WIC-59	2	2 2-14
1RCS	RCS-004	4	Medium	1-RCS01	High	None	Low	*-9-27-1/2	***WIB-RC-1-13***, WIB-RC-1-16, WIB-RC-1-17, WIB-RC-1-18, ***WIB-RC-1-18(SE)****	5	1 4-1
1RCS	RCS-005	4	Medium	1-RCS01	High	None	Low	S6-253-10	WIB-RC-1-14	1	1 4-1
1RCS	RCS-006	4	Medium	1-RCS01	High	None	Low	S6-1140-2	WIB-26A	1	1 4-1
1RCS	RCS-007	4	Medium	1-RCS01A	High	None	Low	S6-1140-2	***WIB-26***, WIB-27, WIB-28, ***WIB-28A***, WIB-28B, WIB-28C, WIB-28D, WIB-28E	8	1 4-60
1RCS	RCS-010	4	Medium	1-RCS02	High	None	Low	*-10-27-1/2	***WIB-RC-2-15***, WIB-RC-2-17, WIB-RC-2-19, ***WIB-RC-2-20***, ***WIB-RC-2-20(SE)****	5	1.4-2
1RCS	RCS-011	4	Medium	1-RCS02	High	None	Low	S6-254-10	***WIB-RC-2-16***	1	1 4-2
1RCS	RCS-012	4	Medium	1-RCS02	High	None	Low	S6-1146-2	WIB-144A, WIB-144B, WIB-144C	3	1.4-2 1 4-61
1RCS	RCS-014	4	Medium	1-RCS03	High	None	Low	*-11-27-1/2	***WIB-RC-3-13***, WIB-RC-3-16, WIB-RC-3-17, WIB-RC-3-18, ***WIB-RC-3-18(SE)****	5	1.4-3
1RCS	RCS-015	4	Medium	1-RCS03	High	None	Low	S6-255-10	WIB-RC-3-14	1	1 4-3

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-016	4	Medium	1-RCS03	High	None	Low	S6-1152-2	WIB-255A, WIB-255B, WIB-255C	3	1 4-3 1.4-62
1RCS	RCS-018	4	Medium	1-RCS04	High	None	Low	*-12-27-1/2	***WIB-RC-4-13***, WIB-RC-4-16, WIB-RC-4-17, WIB-RC-4-18, ***WIB-RC-4-18(SE)****	5	1 4-4
1RCS	RCS-019	4	Medium	1-RCS04	High	None	Low	S6-256-10	WIB-RC-4-14	1	1 4-4
1RCS	RCS-020	4	Medium	1-RCS04	High	None	Low	S6-1159-2	WIB-349A, WIB-349B, ***WIB-349C***	3	1 4-4 1 4-63
1RCS	RCS-022	4	Medium	1-RCS05	High	None	Low	*-1-29	***WIB-RC-1-1(SE)****, WIB-RC-1-1, WIB-RC-1-2, WIB-RC-1-4, ***WIB-RC-1-5(SE)****	5	1 4-1
1RCS	RCS-023	4	Medium	1-RCS05	High	None	Low	S6-235-6	WIB-RC-1-3	1	1.4-1
1RCS	RCS-024	4	Medium	1-RCS06	High	None	Low	*-2-29	***WIB-RC-2-1(SE)****, WIB-RC-2-1, WIB-RC-2-2, ***WIB-RC-2-5***, ***WIB-RC-2-6(SE)****	5	1 4-2
1RCS	RCS-026	4	Medium	1-RCS06	High	None	Low	S6-236-6	***WIB-RC-2-4***	1	1 4-2
1RCS	RCS-027	4	Medium	1-RCS07	High	None	Low	*-3-29	***WIB-RC-3-1(SE)****, WIB-RC-3-1, WIB-RC-3-2, WIB-RC-3-4, ***WIB-RC-3-5(SE)****	5	1 4-3
1RCS	RCS-028	4	Medium	1-RCS07	High	None	Low	S6-237-6	WIB-RC-3-3	1	1 4-3
1RCS	RCS-029	4	Medium	1-RCS08	High	None	Low	*-4-29	***WIB-RC-4-1(SE)****, WIB-RC-4-1, WIB-RC-4-2, WIB-RC-4-4, ***WIB-RC-4-5(SE)****	5	1 4-4
1RCS	RCS-030	4	Medium	1-RCS08	High	None	Low	S6-109-14	WIB-RC-4-3	1	1.4-4
1RCS	RCS-031	4	Medium	1-RCS09	High	None	Low	*-5-31	***WIB-RC-1-6(SE)****, WIB-RC-1-7, WIB-RC-1-8, WIB-RC-1-9, WIB-RC-1-11, ***WIB-RC-1-12***	6	1 4-1
1RCS	RCS-032	4	Medium	1-RCS09	High	None	Low	S6-1141-3	WIB-RC-1-10, WIB-19A	2	1 4-1 1 4-30
1RCS	RCS-033	4	Medium	1-RCS10	High	None	Low	*-6-31	***WIB-RC-2-7(SE)****, WIB-RC-2-8, ***WIB-RC-2-9***, ***WIB-RC-2-10***, WIB-RC-2-13, ***WIB-RC-2-14***	6	1 4-2
1RCS	RCS-034	4	Medium	1-RCS10	High	None	Low	S6-1147-3	***WIB-RC-2-11***, ***WIB-89***, WIB-89A	3	1 4-2 1 4-31
1RCS	RCS-035	4	Medium	1-RCS11	High	None	Low	*-7-31	***WIB-RC-3-6(SE)****, WIB-RC-3-7, WIB-RC-3-8, WIB-RC-3-9, WIB-RC-3-11, ***WIB-RC-3-12***	6	1 4-3
1RCS	RCS-036	4	Medium	1-RCS11	High	None	Low	S6-1153-3	WIB-RC-3-10, WIB-182A	2	1.4-3 1.4-32
1RCS	RCS-037	4	Medium	1-RCS12	High	None	Low	*-8-31	***WIB-RC-4-6(SE)****, WIB-RC-4-7, WIB-RC-4-8, WIB-RC-4-9, WIB-RC-4-11, ***WIB-RC-4-12***	6	1 4-4
1RCS	RCS-038	4	Medium	1-RCS12	High	None	Low	S6-1158-3	WIB-RC-4-10, WIB-249A	2	1 4-33 1 4-4

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-041	4	Medium	1-RCS14A	High	None	Low	S6-13-4	***WIB-RC-1-15***, WIB-55, WIB-56, ***WIB-57***, WIB-58, WIB-59, WIB-60, WIB-61, WIB-62, WIB-63, ***WIB-64***, WIB-418, ***WIB-417***, WIB-416B, WIB-416A	15	1.4-1 1.4-26 1.4-27
1RCS	RCS-042	4	Medium	1-RCS14B	High	None	Low	S6-13-4 S6-15-4	WIB-415B, WIB-415A, ***WIB-414***, WIB-413, WIB-412, ***WIB-411***, WIB-410, WIB-409, ***WIB-408***, WIB-407, WIB-406, WIB-405, WIB-404, ***WIB-403***, WIB-402, ***WIB-401*** ***WIB-400***, WIB-399, WIB-398, WIB-397, ***WIB-396***, WIB-395, ***WIB-394***, WIB-393, WIB-392, WIB-391, WIB-390, WIB-389, ***WIB-388***, WIB-387, WIB-386, WIB-385, WIB-384, ***WIB-383***, WIB-382A, WIB-382, ***WIB-381***, WIB-380, WIB-379	39	1 4-25 1 4-26 1 4-29
1RCS	RCS-044	4	Medium	1-RCS14B	High	None	Low	S6-15-4	WIB-374A(SE)*, ***WIB-374A***	2	1 4-29
1RCS	RCS-045	4	Medium	1-RCS14B	High	None	Low	S6-14-4	WIB-432B, WIB-432A, WIB-431, WIB-430, WIB-429, ***WIB-428***, WIB-427, WIB-426, WIB-425, WIB-424, WIB-423, ***WIB-422***, WIB-421, WIB-420, ***WIB-419***	15	1 4-25 1 4-28
1RCS	RCS-046	4	Medium	1-RCS15A	High	None	Low	S6-14-4	WIB-RC-2-18, ***WIB-444***, WIB-443, ***WIB-442***, ***WIB-441***, WIB-440, ***WIB-439***, WIB-438, WIB-437, WIB-436, WIB-435, WIB-434, WIB-433B, ***WIB-433A***	14	1.4-2 1 4-28
1RCS	RCS-047	4	Medium	1-RCS16	High	None	Low	S6-730-6 S6-4081-4 S6-1172-3	***WIB-340(SE)****, WIB-340, ***WIB-341***, WIB-342, WIB-343, WIB-344, WIB-345, WIB-346, ***WIB-347***, WIB-357, WIB-358, ***WIB-359***, WIB-360 ***WIB-361***, WIB-362, WIB-363, WIB-364 ***WIB-365***, WIB-366, WIB-367, WIB-368	21	1.4-24
1RCS	RCS-048	4	Medium	1-RCS16	High	None	Low	S6-1171-3	***WIB-348***, WIB-349, WIB-350, WIB-351	4	1 4-24
1RCS	RCS-049	4	Medium	1-RCS16	High	None	Low	S6-1195-3	***WIB-445***, WIB-446, WIB-447, WIB-448, ***WIB-449***, WIB-450	6	1 4-39
1RCS	RCS-050	4	Medium	1-RCS17A	High	None	Low	S6-1171-3	WIB-352, WIB-353, WIB-354, WIB-355	4	1 4-24
1RCS	RCS-052	4	Medium	1-RCS17B	High	None	Low	S6-1172-3	WIB-369, ***WIB-370***, WIB-371, WIB-372	4	1 4-24
1RCS	RCS-054	4	Medium	1-RCS17C	High	None	Low	S6-1195-3	WIB-451, WIB-452, WIB-453, ***WIB-454***	4	1 4-39
1RCS	RCS-056	4	Medium	1-RCS18A	High	None	Low	S6-729-6	***WIB-313(SE)****, WIB-313, WIB-314, WIB-315, ***WIB-316***, WIB-317, WIB-318, ***WIB-319***, WIB-320	9	1 4-21

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	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-058	4	Medium	1-RCS18B	High	None	Low	S6-728-6	***WIB-322(SE)****, ***WIB-322***, WIB-323, WIB-324, WIB-325, ***WIB-326***, WIB-327, WIB-328, ***WIB-329***	9	1 4-22
1RCS	RCS-060	4	Medium	1-RCS18C	High	None	Low	S6-727-6	***WIB-331(SE)****, WIB-331, WIB-332, WIB-333, ***WIB-334***, WIB-335, WIB-336, WIB-337, ***WIB-338***	9	1 4-23
1RCS	RCS-062	4	Medium	1-RCS19A	High	None	Low	S6-958-2	***WIB-20A***, WIB-20, WIB-21, ***WIB-22***, WIB-23	5	1 4-1 1.4-46
1RCS	RCS-064	4	Medium	1-RCS20A	High	None	Low	S6-24-3	***WIB-RC-2-12***, WIB-110, ***WIB-111***, WIB-112, ***WIB-113***, WIB-115, WIB-116, WIB-117, ***WIB-118***, WIB-118A, WIB-119, WIB-120, WIB-121, WIB-122A, WIB-123A	15	1 4-2 1.4-37 1.4-38
1RCS	RCS-065	4	Medium	1-RCS20A	High	None	Low	S6-24-3(1) S6-959-2	WIB-114 WIB-137, WIB-138, WIB-139	4	1.4-37 1 4-47
1RCS	RCS-067	4	Medium	1-RCS21A	High	None	Low	S6-960-2	***WIB-249A***, WIB-249, WIB-250, ***WIB-251***, WIB-252	5	1.4-3 1 4-48
1RCS	RCS-069	4	Medium	1-RCS22A	High	None	Low	S6-961-2	***WIB-338A***, ***WIB-338***, WIB-339, WIB-340, WIB-341	5	1.4-4 1 4-49
1RCS	RCS-072	4	Medium	1-SI05B	High	None	Low	S6-109-14	WIB-227	1	1 4-6
1RCS	RCS-074	4	Medium	1-SI05B	High	None	Low	S6-109-14	***WIB-237***, WIB-238, WIB-239, WIB-240, WIB-241	5	1 4-6
2CVCS	CVCS-002	4	Medium	1-CVCS01A	High	None	Low	S6-246-3	WIB-295, WIB-294, WIB-293	3	1 4-34
2CVCS	CVCS-008	4	Medium	1-CVCS02A	High	None	Low	S6-50-3	***WIB-221***	1	1 4-35
2CVCS	CVCS-019	4	Medium	1-CVCS06A	High	None	Low	S6-45-4	RB-45-1, RB-45-2, RB-45-3, ***WIC-45A***, RB-45-4, RB-45-5, RB-45-7, RB-45-8	8	2 2-38
2CVCS	CVCS-020	4	Medium	1-CVCS06A	High	None	Low	S6-45-4(1) S6-1466-2	RB-45-6 RB-1466-1	2	2 2-38 2 2-63
2CVCS	CVCS-021	4	Medium	1-CVCS06B	High	None	Low	S6-46-4	RB-46-1, RB-46-2, WIC-46A, RB-46-3, RB-46-4, RB-46-5, RB-46-7, RB-46-8	8	2 2-41
2CVCS	CVCS-022	4	Medium	1-CVCS06B	High	None	Low	S6-46-4(1) S6-1468-2	RB-46-6 RB-1468-1	2	2 2-41 2 2-64
2CVCS	CVCS-072	4	Medium	1-RCS23A	High	None	Low	S6-54-2	WIB-1030, WIB-1029, ***WIB-1028***, WIB-1027, WIB-1026, WIB-1025, WIB-1024, WIB-1023, WIB-1022, WIB-1021, ***WIB-1020***	11	1 4-42
2CVCS	CVCS-075	4	Medium	1-RCS24A	High	None	Low	S6-55-2	WIB-989, ***WIB-988***, WIB-987, WIB-986, WIB-985, WIB-984, WIB-983, ***WIB-982***, ***WIB-981***, WIB-980, WIB-979	11	1 4-43

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	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-078	4	Medium	1-RCS25A	High	None	Low	S6-56-2	***WIB-1002***, WIB-1001, WIB-1000, ***WIB-999***, WIB-998, WIB-997, WIB-996, WIB-995, WIB-994, WIB-993, ***WIB-992***, ***WIB-991***, WIB-990	13	1 4-44
2CVCS	CVCS-081	4	Medium	1-RCS26A	High	None	Low	S6-57-2	WIB-1019, ***WIB-1018***, WIB-1017, ***WIB-1016***, WIB-1015, WIB-1014, WIB-1013, WIB-1012, WIB-1011, ***WIB-1010***, WIB-1009, ***WIB-1008***, WIB-1007, WIB-1006, WIB-1005, WIB-1004, ***WIB-1003***	17	1 4-45
3SIS	SIS-001	4	Medium	1-ACC01A	High	None	Low	S6-253-10	WIB-40, ***WIB-39***, WIB-38	3	1 4-8
3SIS	SIS-002	4	Medium	1-ACC01B	High	None	Low	S6-254-10	WIB-153, WIB-152, ***WIB-151***	3	1 4-9
3SIS	SIS-003	4	Medium	1-ACC01C	High	None	Low	S6-255-10	WIB-209, WIB-208, ***WIB-207***, WIB-206	4	1 4-10
3SIS	SIS-004	4	Medium	1-ACC01D	High	None	Low	S6-256-10	WIB-270, WIB-269, WIB-268, ***WIB-267***	4	1.4-11
3SIS	SIS-028	4	Medium	1-CVCS05A	High	None	Low	S2-1988-8	***WIC-362***, WIC-363, WIC-368, WIC-369, WIC-370, WIC-371	6	2 2-29
3SIS	SIS-029	4	Medium	1-CVCS05A	High	None	Low	S2-1987-8	WIC-364, WIC-365, WIC-366, WIC-367	4	2 2-29
3SIS	SIS-035	4	Medium	1-CVCS10	High	None	Low	S6-1975-4 S6-2032-6(1)	RB-1975-4, RB-1975-5, RB-1975-6 WIC-347	4	2 2-19 2 2-47
3SIS	SIS-036	4	Medium	1-CVCS10	High	None	Low	S6-1974-4 S6-2032-6 S6-2033-4 S6-1978-4 S6-282-3 S6-1016-3	RB-1974-4, RB-1974-5, RB-1974-6 WIC-346, ***WIC-348***, WIC-349, WIC-350, WIC-351, WIC-352, WIC-352A RB-2033-1, RB-2033-2, RB-2033-3, RB-2033-4, RB-2033-5, RB-2033-6, RB-2033-7, RB-2033-8, WIC-2033A, RB-2033-9, RB-2033-10, RB-2033-11, RB-2033-12 RB-1978-1, RB-1978-2, RB-1978-3, RB-1978-4 RB-282-1, RB-282-2, RB-282-3, RB-282-4, WIC-282A, RB-282-5 RB-1016-1, WIC-1016A, RB-1016-2	36	2 2-19 2 2-46 2 2-48 2 2-49 2 2-51 2 2-53
3SIS	SIS-037	4	Medium	1-CVCS10	High	None	Low	S6-1979-4 S6-283-3	RB-1979-1, ***WIC-1979A***, RB-1979-2, RB-1979-3, RB-1979-4, RB-1979-5 RB-283-1, RB-283-2	8	2 2-50 2 2-52
3SIS	SIS-068	4	Medium	1-RHR06	High	None	Low	S6-508-8	WIC-38A	1	2 2-30

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	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-069	4	Medium	1-RHR06	High	None	Low	S6-509-8	WIC-65	1	2 2-33
3SIS	SIS-078	4	Medium	1-RHR11A	High	None	Low	S6-235-6	WIB-4, WIB-3, WIB-2, ***WIB-1***	4	1 4-13
3SIS	SIS-079	4	Medium	1-RHR11B	High	None	Low	S6-236-6	WIB-75, WIB-74, WIB-73, WIB-72	4	1 4-14
3SIS	SIS-094	4	Medium	1-SI05A	High	None	Low	S6-237-6	WIB-174, ***WIB-173***, WIB-172	3	1 4-15
3SIS	SIS-095	4	Medium	1-SI05B	High	None	Low	S6-238-6	WIB-235, WIB-234, ***WIB-233***, WIB-232	4	1 4-6
4RHRS	RHRS-006	4	Medium	1-RHR04B	High	None	Low	S1-112-8	WIC-159, WIC-158, WIC-157, ***WIC-156***, WIC-155, WIC-154, WIC-153, WIC-152, WIC-151, WIC-150, WIC-149, WIC-148, WIC-147, WIC-146, ***WIC-145***, WIC-144, WIC-143	17	2.2-9A
4RHRS	RHRS-007	4	Medium	1-RHR04B	High	None	Low	S1-3551-14 S1-118-8	WIC-1, ***WIC-9*** WIC-10, WIC-10B, WIC-10C, WIC-10D, WIC-10E, WIC-10F	8	2 2-3
4RHRS	RHRS-009	4	Medium	1-RHR04B	High	None	Low	S1-1971-8	WIC-2, ***WIC-3***, WIC-4, WIC-5, WIC-6, WIC-7, WIC-8	7	2 2-3
4RHRS	RHRS-013	4	Medium	1-RHR05B	High	None	Low	S1-113-8(1) S1-113-8	***WIC-126*** ***WIC-137***, WIC-136, WIC-135, WIC-134, WIC-133, WIC-132, WIC-131, WIC-130, ***WIC-129***, WIC-128, WIC-127, WIC-138, WIC-139, WIC-140, WIC-141, WIC-142	17	2 2-9B
4RHRS	RHRS-014	4	Medium	1-RHR05B	High	None	Low	S1-119-8	***WIC-39***, WIC-40, WIC-40A	3	2 2-14
4RHRS	RHRS-015	4	Medium	1-RHR06	High	None	Low	S1-118-8	***WIC-10G***, WIC-10H, WIC-10J, WIC-10K, WIC-10L, WIC-16A, RB-118-1, FW-7, WIC-16B, WIC-16C, WIC-16D, WIC-16E, WIC-13, WIC-16F, WIC-14, WIC-16G, WIC-15, ***WIC-16***, ***WIC-16H***, WIC-17, WIC-30A	21	2.2-13 2 2-3
4RHRS	RHRS-017	4	Medium	1-RHR06	High	None	Low	S1-118-8	WIC-36, WIC-37, RB-118-2, WIC-38	4	2.2-13
4RHRS	RHRS-018	4	Medium	1-RHR06	High	None	Low	S1-1661-8	***WIC-88***, RB-1661-1	2	2 2-9B
4RHRS	RHRS-020	4	Medium	1-RHR06	High	None	Low	S1-1669-8 S1-985-12	***WIC-55***, WIC-56, WIC-57, WIC-83, ***WIC-84***, WIC-85, WIC-86, WIC-87, ***WIC-89***, WIC-90, WIC-91 WIC-92	12	2 2-7
4RHRS	RHRS-022	4	Medium	1-RHR06	High	None	Low	S1-985-12	WIC-98, WIC-99, WIC-100, WIC-101, RB-985-1	5	2 2-7

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
4RHRS	RHRS-024	4	Medium	1-RHR06	High	None	Low	S1-279-8	RB-279-1, FW-3, FW-18, FW-4, RB-279-2, RB-279-3, WIC-20, WIC-21, ***WIC-22***, WIC-23, WIC-24	11	2 2-3
4RHRS	RHRS-026	4	Medium	1-RHR06	High	None	Low	S1-2458-8	WIC-32, ***WIC-33***, WIC-94, WIC-93	4	2 2-13
4RHRS	RHRS-027	4	Medium	1-RHR06	High	None	Low	S1-119-8	WIC-40B, WIC-41, WIC-43, WIC-44, WIC-45, FW-2, WIC-45A, FW-4, WIC-45B, FW-6, FW-7, ***WIC-45C***, WIC-45D, FW-12, FW-13, WIC-45E, FW-14, WIC-45F, WIC-50, WIC-51, ***WIC-52***, WIC-53	22	2 2-14
4RHRS	RHRS-029	4	Medium	1-RHR06	High	None	Low	S1-119-8	WIC-60, WIC-61, WIC-62, WIC-63, ***WIC-64***	5	2.2-14
4RHRS	RHRS-030	4	Medium	1-RHR06	High	None	Low	S1-735-8	WIC-42, WIC-66, WIC-67, WIC-68, WIC-70, ***WIC-71***, WIC-72, WIC-75, WIC-76	9	2.2-16
4RHRS	RHRS-031	4	Medium	1-RHR06	High	None	Low	S1-280-8	WIC-69, RB-280-1, WIC-73, WIC-74, RB-280-2, WIC-75, WIC-76, WIC-77, WIC-78, WIC-79	10	2.2-16
4RHRS	RHRS-034	4	Medium	1-RHR08	High	None	Low	S1-985-12	WIC-266, WIC-265, ***WIC-264***, WIC-263, WIC-262, RB-985-2, WIC-261, WIC-260, WIC-259, ***WIC-258***, RB-985-3, RB-985-4, RB-985-5, RB-985-6, RB-985-7, RB-985-8, WIC-257, WIC-256, ***WIC-255***, WIC-254	20	2 2-4 2 2-5 2 2-6
6RWST	RWST-002	4	Medium	1-RWST01A	High	None	Low	S2-221-18	RB-221-1, RB-221-2, RB-221-3	3	RWST-1-1
6RWST	RWST-003	4	Medium	1-RWST01B	High	None	Low	S2-261-12	RB-261-1, RB-261-2	2	RWST-1-2
6RWST	RWST-004	4	Medium	1-RWST02A-FHC	High	None	Low	S2-221-18	RB-221-4, RB-221-5, RB-221-6, RB-221-7, RB-221-8, RB-221-9	6	RWST-1-1
6RWST	RWST-005	4	Medium	1-RWST02A-MDAFW	High	None	Low	S2-221-18	RB-221-14	1	RWST-1-1
6RWST	RWST-006	4	Medium	1-RWST02A-MDAFW	High	None	Low	S2-222-4	RB-222-1, RB-222-2, RB-222-3, RB-222-4, RB-222-5, RB-222-6, RB-222-7	7	RWST-1-1
6RWST	RWST-010	4	Medium	1-RWST02A-SFP	High	None	Low	S2-222-4	RB-222-8, RB-222-9, RB-222-10, RB-222-11, RB-222-12, RB-222-13, RB-222-14	7	RWST-1-1
6RWST	RWST-011	4	Medium	1-RWST02A-TDAFW	High	None	Low	S2-221-18	RB-221-10, RB-221-11, RB-221-12, RB-221-13	4	RWST-1-1

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
6RWST	RWST-012	4	Medium	1-RWST02B-100ELV	High	None	Low	S2-261-12	RB-261-3, RB-261-4, RB-261-5, RB-261-6, RB-261-7, RB-261-8, RB-261-9, RB-261-10, RB-261-11, RB-261-12, RB-261-13, RB-261-14, RB-261-15, RB-261-16, RB-261-17, RB-261-18, RB-261-19	17	RWST-1-2
7CCW	CCW-001	4	Medium	1-CCW01	High	None	Low	K17-1357-6	RB-1357-1, ***WIC-1357A***, WIC-1357B, WIC-1357C, RB-1357-2, WIC-1357D	6	2 2-37
7CCW	CCW-002	4	Medium	1-CCW02	High	None	Low	K17-1357-6	RB-1357-3, RB-1357-4, RB-1357-5, ***WIC-1357E***, RB-1357-6, WIC-1357F, RB-1357-7	7	2 2-37
8FWS	FWS-006	5a (3)	Medium (High)	1-FW02A	Medium	TASCS, (FAC)	Medium (High)	K16-554-16	WICG103-1, WICG102-1, WICG94-1E, WICG94-1D, WICG94-1C, WICG94-1B, WICG94-1A	7	2 2-25
8FWS	FWS-008	5a (3)	Medium (High)	1-FW02B	Medium	TASCS, (FAC)	Medium (High)	K16-555-16	WICG103-2, WICG102-2, WICG101E-2, WICG-94-2D, WICG101C-2, WICG-94-2B, WICG-94-2A	7	2 2-26
8FWS	FWS-010	5a (3)	Medium (High)	1-FW02C	Medium	TASCS, (FAC)	Medium (High)	K16-557-16	WICG103-3, WICG102-3, WICG101D-3, ***WICG-94-3D***, WICG101B-3, WICG-94-3B, WICG-94-3A	7	2 2-27
8FWS	FWS-012	5a (3)	Medium (High)	1-FW02D	Medium	TASCS, (FAC)	Medium (High)	K16-556-16	WICG-94-4G, WICG-94-4F, WICG-94-4E, WICG-94-4D, WICG101B-4, WICG-94-4B, WICG-94-4A	7	2 2-28
2CVCS	CVCS-010	5a	Medium	1-CVCS02B	Medium	TASCS, TT	Medium	S6-50-3	WIB-226, ***WIB-225***	2	1 4-35
2CVCS	CVCS-004	5a	Medium	1-CVCS01B	Medium	TT	Medium	S6-246-3	WIB-299	1	1 4-34
2CVCS	CVCS-006	5a	Medium	1-CVCS01B	Medium	TT	Medium	S6-246-3	WIB-297	1	1 4-34
3SIS	SIS-007	5a	Medium	1-ACC02A	Medium	IGSCC	Medium	S6-253-10	***WIB-42***, WIB-41	2	1 4-8
3SIS	SIS-012	5a	Medium	1-ACC02B	Medium	IGSCC	Medium	S6-254-10	WIB-155, WIB-154	2	1 4-9
3SIS	SIS-016	5a	Medium	1-ACC02C	Medium	IGSCC	Medium	S6-255-10	WIB-211, ***WIB-210***	2	1 4-10
3SIS	SIS-021	5a	Medium	1-ACC02D	Medium	IGSCC	Medium	S6-256-10	WIB-272, ***WIB-271***	2	1 4-11
3SIS	SIS-073	5a	Medium	1-RHR10A	Medium	IGSCC	Medium	S6-235-6	WIB-6, ***WIB-5***	2	1 4-13
3SIS	SIS-077	5a	Medium	1-RHR10B	Medium	IGSCC	Medium	S6-236-6	***WIB-77***, WIB-76	2	1 4-14
3SIS	SIS-063	5a	Medium	1-RHR04A	Medium	TASCS	Medium	S1-512-14	WIC-220, WIC-219	2	2 2-11
3SIS	SIS-066	5a	Medium	1-RHR05A	Medium	TASCS	Medium	S1-513-14	WIC-201, WIC-200	2	2 2-12
8FWS	FWS-001	6a (3)	Low (High)	1-FW01A	Medium	None (FAC)	Low (High)	K16-554-16	WICG112-1, WICG111-1, WICG110-1, WICG109-1, WICG108-1, WICG107-1, RB-554-1	7	2 2-25
8FWS	FWS-002	6a (3)	Low (High)	1-FW01B	Medium	None (FAC)	Low (High)	K16-555-16	WICG112-2, WICG111-2, WICG110-2, WICG109-2, WICG108-2, WICG107-2, RB-555-1	7	2 2-26

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
8FWS	FWS-003	6a (3)	Low (High)	1-FW01C	Medium	None (FAC)	Low (High)	K16-557-16	WICG113-3, WICG112-3, WICG111-3, WICG110-3, WICG109-3, WICG108-3, WICG107-3, RB-557-1	8	2 2-27
8FWS	FWS-004	6a (3)	Low (High)	1-FW01D	Medium	None (FAC)	Low (High)	K16-556-16	WICG113-4, WICG112-4, WICG111-4, WICG110-4, WICG109-4, WICG108-4, WICG107-4, RB-556-1	8	2 2-28
8FWS	FWS-005	6a (3)	Low (High)	1-FW02A	Medium	None (FAC)	Low (High)	K16-554-16	WICG106-1, RB-554-2, ***WICG105-1***, WICG104-1, WICG103A-1	5	2 2-25
8FWS	FWS-007	6a (3)	Low (High)	1-FW02B	Medium	None (FAC)	Low (High)	K16-555-16	***WICG106-2***, RB-555-2, WICG105-2, WICG104-2, RB-555-3	5	2 2-26
8FWS	FWS-009	6a (3)	Low (High)	1-FW02C	Medium	None (FAC)	Low (High)	K16-557-16	WICG106-3, RB-557-2, WICG105-3, WICG104-3, WICG103A-3	5	2 2-27
8FWS	FWS-011	6a (3)	Low (High)	1-FW02D	Medium	None (FAC)	Low (High)	K16-556-16	WICG106-4, RB-556-2, WICG105-4, WICG104-4, RB-556-3	5	2 2-28
1RCS	RCS-003	6a	Low	1-CVCS03	Medium	None	Low	S6-24-3	WIB-124A-C1, ***WIB-125A***, WIB-125B, WIB-126	4	1 4-38
2CVCS	CVCS-005	6a	Low	1-CVCS01B	Medium	None	Low	S6-246-3	***WIB-298***	1	1 4-34
2CVCS	CVCS-017	6a	Low	1-CVCS05B	Medium	None	Low	S2-1456-8 S2-43-6	WIC-313, WIC-314, ***WIC-315***, WIC-316, WIC-317 WIC-318, WIC-319, ***WIC-320***, WIC-321, WIC-322, RB-43-1, RB-43-2, WIC-323, WIC-324, WIC-325, WIC-326, WIC-327, RB-43-3, WIC-328, WIC-329, ***WIC-330***, WIC-330A	22	2 2-8
2CVCS	CVCS-018	6a	Low	1-CVCS05B	Medium	None	Low	S2-1456-8(1) S2-42-6	WIC-312 WIC-331, WIC-332, WIC-333, WIC-334, WIC-335, ***WIC-336***, WIC-337, RB-42-1, RB-42-2, WIC-338, WIC-339, WIC-340, ***WIC-341***, WIC-342, WIC-343, WIC-344, WIC-345, WIC-345A	19	2 2-15 2 2-8
2CVCS	CVCS-023	6a	Low	1-CVCS07	Medium	None	Low	S6-1468-2	WIC-1468A, RB-1468-2, RB-1468-4, RB-1468-5, RB-1468-6, RB-1468-7, RB-1468-8, RB-1468-9, WIC-1468B, RB-1468-10, RB-1468-11, RB-1468-12, RB-1468-13	13	2 2-64
2CVCS	CVCS-024	6a	Low	1-CVCS07	Medium	None	Low	S6-1468-2(1) S6-1466-2 S6-1464-2	RB-1468-3 RB-1466-2, RB-1466-3, RB-1466-5, RB-1466-6, RB-1466-7, RB-1466-8, WIC-1466A, RB-1466-9, RB-1466-10, RB-1466-11, ***WIC-1466B***, RB-1466-12, RB-1466-13, RB-1466-14, RB-1466-15 RB-1464-1, RB-1464-2, RB-1464-3, RB-1464-4, RB-1464-5, RB-1464-6, RB-1464-8, ***WIC-1464A***, RB-1464-9, RB-1464-10	26	2 2-63 2 2-64 2 2-65

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-025	6a	Low	1-CVCS07	Medium	None	Low	S6-1466-2(1)	RB-1466-4	1	2 2-63
2CVCS	CVCS-026	6a	Low	1-CVCS07	Medium	None	Low	S6-1464-2(1)	RB-1464-7	1	2.2-65
2CVCS	CVCS-027	6a	Low	1-CVCS07	Medium	None	Low	S6-1464-2(2)	WIC-1464B	1	2 2-65
2CVCS	CVCS-028	6a	Low	1-CVCS08	Medium	None	Low	S6-46-4 S6-1454-6 S6-3678-3	RB-46-9, RB-46-10, RB-46-11, RB-46-12, WIC-46B, RB-46-13 WIC-174, WIC-175, WIC-176, ***WIC-177***, RB-1454-1, RB-1454-2, WIC-178, WIC-179, WIC-180 RB-3678-1, RB-3678-2, RB-3678-3	18	2 2-10 2 2-40 2 2-41
2CVCS	CVCS-029	6a	Low	1-CVCS08	Medium	None	Low	S6-1475-3	RB-1475-1, RB-1475-2	2	2 2-42
2CVCS	CVCS-030	6a	Low	1-CVCS08	Medium	None	Low	S6-1973-6	WIC-181, WIC-182, WIC-183, ***WIC-184***, WIC-185, WIC-186, WIC-187	7	2 2-10
2CVCS	CVCS-031	6a	Low	1-CVCS08	Medium	None	Low	S6-1973-6(1) S6-45-4	WIC-188 RB-45-9, RB-45-10, RB-45-11, RB-45-12, RB-45-13, RB-45-14, WIC-45B, RB-45-15	9	2 2-10 2 2-38
2CVCS	CVCS-032	6a	Low	1-CVCS08	Medium	None	Low	S6-1474-3	RB-1474-1, RB-1474-2	2	2 2-39
2CVCS	CVCS-033	6a	Low	1-CVCS09	Medium	None	Low	S6-3678-3 S6-48-3	RB-3678-4, RB-3678-5, RB-3678-6, RB-3678-7, ***WIC-3678A***, RB-3678-8, RB-3678-9, RB-3678-10, RB-3678-11, RB-3678-12, RB-3678-13 ***WIC-48A***, RB-48-A, RB-48-B, RB-48-1, RB-48-2, RB-48-3, WIC-48B, RB-48-4, RB-48-5, RB-48-6, RB-48-7, RB-48-8, WIC-48C, RB-48-9, RB-48-10, RB-48-11, RB-48-12, RB-48-13, RB-48-14, RB-48-15, RB-48-16, RB-48-17, ***WIC-48D***, RB-48-18, RB-48-19, RB-48-20, WIC-48E, RB-48-21, RB-48-22, RB-48-23, RB-48-24, RB-48-25, RB-48-26, RB-48-27, RB-48-28, RB-48-29, RB-48-30, WIC-48F, RB-48-31, RB-48-32, RB-48-33, RB-48-34, RB-48-35, RB-48-36, RB-48-37, RB-48-38, RB-48-39, RB-48-40, RB-48-41, RB-48-42, RB-48-43, RB-48-44, RB-48-45	64	2 2-40 2 2-44
2CVCS	CVCS-034	6a	Low	1-CVCS09	Medium	None	Low	S6-1475-3	RB-1475-3, ***WIC-1475A***, RB-1475-4, RB-1475-5, RB-1475-6, RB-1475-7	6	2 2-42
2CVCS	CVCS-035	6a	Low	1-CVCS09	Medium	None	Low	S6-47-3	RB-47-1, RB-47-2, WIC-47A, RB-47-3, RB-47-4, RB-47-5, RB-47-6, RB-47-7, RB-47-8, RB-47-9, RB-47-10	11	2 2-43

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-036	6a	Low	1-CVCS09	Medium	None	Low	S6-1312-3	RB-1312-1, RB-1312-2, RB-1312-3, RB-1312-4	4	2 2-45
2CVCS	CVCS-037	6a	Low	1-CVCS09	Medium	None	Low	S6-1474-3 S6-53-3	RB-1474-3, RB-1474-4, RB-1474-5, RB-1474-6, WIC-1474A, RB-1474-7, RB-1474-8, RB-1474-9 RB-53-A, RB-53-B, RB-53-C, RB-53-D, RB-53-1, WIC 53A, RB-53-2, RB-53-3, ***WIC-53B***, RB-53-4, RB-53-5, RB-53-6, RB-53-7, RB-53-8, RB-53-9, RB-53-10, RB-53-11, RB-53-12	26	2 2-39 2 2-55
2CVCS	CVCS-038	6a	Low	1-CVCS09	Medium	None	Low	S6-52-3 S6-2044-3 S6-3673-2	RB-52-1, ***WIC-52A***, RB-52-2, RB-52-3, RB-52-4, RB-52-5, WIC-52B, RB-52-6, RB-52-7, RB-52-8, RB-52-9, RB-52-10, RB-52-11, RB-52-12, RB-52-13 RB-2044-1, RB-2044-2, RB-2044-3, RB-2044-4, RB-2044-5, ***WIC-2044A***, RB-2044-6, RB-2044-7 RB-3673-1, RB-3673-2, WIC-3673A, WIC-3673B, RB-3673-4, RB-3673-5, RB-3673-6, RB-3673-10, RB-3673-11, RB-3673-12, RB-3673-13, RB-3673-14, RB-3673-15, RB-3673-16	37	2 2-54 2 2-59 2 2-66
2CVCS	CVCS-039	6a	Low	1-CVCS09	Medium	None	Low	S6-1477-2 S6-2046-3 S6-746-3	RB-1477-1, RB-1477-2, RB-1477-3, RB-1477-4, RB-1477-5, RB-1477-6, RB-1477-7, RB-1477-11, RB-1477-12, ***WIC-1477A***, RB-1477-13, RB-1477-15, WIC-1477B, RB-1477-16 RB-2046-1, RB-2046-2, RB-2046-3, RB-2046-4, RB-2046-5, RB-2046-6 RB-746-1, RB-746-2, RB-746-3, WIC-746A, RB-746-4, RB-746-5, RB-746-6, RB-746-7, RB-746-8, RB-746-9, RB-746-10, RB-746-11, RB-746-12, RB-746-13, RB-746-14, RB-746-15, WIC-746B, RB-746-16, RB-746-17, RB-746-18, RB-746-19, RB-746-20, RB-746-21, ***WIC-746C***, RB-746-22	45	2 2-60 2.2-61 2 2-68
2CVCS	CVCS-040	6a	Low	1-CVCS09	Medium	None	Low	S6-3673-2(1)	RB-3673-3	1	2 2-66

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-041	6a	Low	1-CVCS09	Medium	None	Low	S6-3673-2(2)	RB-3673-7, RB-3673-8, RB-3673-9	3	2 2-66
2CVCS	CVCS-042	6a	Low	1-CVCS09	Medium	None	Low	S6-1477-2(1)	RB-1477-8, RB-1477-9, RB-1477-10	3	2 2-68
2CVCS	CVCS-043	6a	Low	1-CVCS09	Medium	None	Low	S6-1477-2(2)	RB-1477-14	1	2 2-68
2CVCS	CVCS-044	6a	Low	1-CVCS09	Medium	None	Low	S6-2047-3 S6-3674-2	RB-2047-1, RB-2047-2, RB-2047-3, RB-2047-4, RB-2047-5, RB-2047-6, RB-2047-7, WIC-2047A WIC-3674A, RB-3674-1, ***WIC-3674B***, RB-3674-3, RB-3674-4, RB-3674-5, RB-3674-6, RB-3674-10, RB-3674-11, RB-3674-12, RB-3674-13, RB-3674-14, RB-3674-15, RB-3674-16	22	2 2-56 2 2-67
2CVCS	CVCS-045	6a	Low	1-CVCS09	Medium	None	Low	S6-1478-2 S6-2048-3	RB-1478-1, RB-1478-2, RB-1478-3, RB-1478-4, RB-1478-5, RB-1478-6, RB-1478-7, RB-1478-11, RB-1478-12, WIC-1478B, RB-1478-13, WIC-1478A, RB-1478-15, RB-1478-16 WIC-2048A, RB-2048-1, RB-2048-2, RB-2048-3, RB-2048-4, RB-2048-5, RB-2048-6, RB-2048-7, RB-2048-8	23	2 2-58 2 2-69
2CVCS	CVCS-046	6a	Low	1-CVCS09	Medium	None	Low	S6-1455-3	RB-1455-1, RB-1455-2, RB-1455-3	3	2 2-57
2CVCS	CVCS-047	6a	Low	1-CVCS09	Medium	None	Low	S6-3674-2(1)	RB-3674-2	1	2 2-67
2CVCS	CVCS-048	6a	Low	1-CVCS09	Medium	None	Low	S6-3674-2(2)	RB-3674-7, RB-3674-8, RB-3674-9	3	2 2-67
2CVCS	CVCS-049	6a	Low	1-CVCS09	Medium	None	Low	S6-1478-2(1)	RB-1478-8, RB-1478-9, RB-1478-10	3	2 2-69
2CVCS	CVCS-050	6a	Low	1-CVCS09	Medium	None	Low	S6-1478-2(2)	RB-1478-14	1	2 2-69
2CVCS	CVCS-051	6a	Low	1-CVCS09	Medium	None	Low	S6-1683-3	RB-1683-3, RB-1683-2, RB-1683-1, RB-1683-4, RB-1683-5, WIC-1683A	6	2 2-62

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-052	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2	RB-54-1, RB-54-2, WIC-54A, RB-54-3, RB-54-4, RB-54-5, RB-54-6, RB-54-7, RB-54-8, RB-54-9, RB-54-10, RB-54-11, ***WIC-54B***, RB-54-12, RB-54-13, RB-54-14, RB-54-15, RB-54-16, WIC-54C, RB-54-17, RB-54-18, RB-54-19, RB-54-20, WIC-54D, RB-54-21, RB-54-22, RB-54-23, RB-54-25, RB-54-26, RB-54-27, RB-54-28, RB-54-29, RB-54-30, RB-54-31, RB-54-32, RB-54-33, RB-54-34, RB-54-36, RB-54-37, RB-54-38, RB-54-39, RB-54-41, RB-54-42, RB-54-44, RB-54-45, RB-54-46, RB-54-47, RB-54-48, RB-54-49, RB-54-50, RB-54-51, RB-54-52, RB-54-53, RB-54-54, ***WIC-54E***, RB-54-55, WIC-54F, RB-54-56, RB-54-57, RB-54-59, RB-54-60, RB-54-61, RB-54-62, RB-54-63, RB-54-64, RB-54-65, RB-54-66, RB-54-67, RB-54-68, RB-54-69, RB-54-70, RB-54-71, RB-54-72, RB-54-73, RB-54-74, RB-54-76, RB-54-77, RB-54-78, RB-54-79, RB-54-80, RB-54-81, RB-54-82, RB-54-83, RB-54-84, WIC-54G, RB-54-85, RB-54-86, RB-54-87, RB-54-88, RB-54-89, RB-54-90, RB-54-91, RB-54-92	93	2 2-70 2.2-74 2 2-75 2 2-76
2CVCS	CVCS-053	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(1)	RB-54-24	1	2 2-74
2CVCS	CVCS-054	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(2)	RB-54-35	1	2 2-74
2CVCS	CVCS-055	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(3)	RB-54-40	1	2.2-74
2CVCS	CVCS-056	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(4)	RB-54-43	1	2 2-74
2CVCS	CVCS-057	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(5)	RB-54-58	1	2 2-75
2CVCS	CVCS-058	6a	Low	1-CVCS09	Medium	None	Low	S6-54-2(6)	RB-54-75	1	2 2-76

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-059	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2	RB-55-1, RB-55-2, WIC-55A, RB-55-3, RB-55-4, RB-55-5, RB-55-6, RB-55-7, RB-55-8, RB-55-9, RB-55-10, RB-55-12, RB-55-13, RB-55-14, WIC-55B, ***WIC-55C***, RB-55-15, RB-55-16, RB-55-17, RB-55-19, RB-55-20, RB-55-21, RB-55-22, RB-55-23, RB-55-24, RB-55-25, RB-55-26, RB-55-27, RB-55-28, RB-55-30, RB-55-31, RB-55-32, RB-55-33, RB-55-35, RB-55-36, RB-55-38, RB-55-39, WIC-55D, WIC-55E, RB-55-40, RB-55-41, RB-55-42, RB-55-43, RB-55-44, RB-55-45, RB-55-46, RB-55-47, RB-55-48, RB-55-49, RB-55-50, ***WIC-55F***, RB-55-51, RB-55-52, RB-55-53, RB-55-54, RB-55-55, RB-55-56, RB-55-57, RB-55-58, RB-55-59, RB-55-60	61	2 2-71 2 2-77 2 2-78
2CVCS	CVCS-060	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2(1)	RB-55-11	1	2 2-77
2CVCS	CVCS-061	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2(2)	RB-55-18	1	2 2-77
2CVCS	CVCS-062	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2(3)	RB-55-29	1	2 2-77
2CVCS	CVCS-063	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2(4)	RB-55-34	1	2 2-77
2CVCS	CVCS-064	6a	Low	1-CVCS09	Medium	None	Low	S6-55-2(5)	RB-55-37	1	2 2-78
2CVCS	CVCS-065	6a	Low	1-CVCS09	Medium	None	Low	S6-56-2	RB-56-1, RB-56-2, RB-56-3, WIC-56A, RB-56-4, RB-56-5, RB-56-6, RB-56-7, RB-56-8, RB-56-9, RB-56-10, ***WIC-56B***, RB-56-12, RB-56-13, WIC-56C, RB-56-14, RB-56-15, RB-56-16, RB-56-17, RB-56-19, RB-56-20, RB-56-21, RB-56-22, RB-56-23, RB-56-24, RB-56-25, WIC-56D, RB-56-26, ***WIC-56E***, RB-56-27, RB-56-28, RB-56-29, RB-56-30, RB-56-31, RB-56-32, RB-56-33, RB-56-34, RB-56-35, RB-56-36, RB-56-37, RB-56-38, RB-56-39, RB-56-40	43	2 2-72 2 2-79 2.2-80
2CVCS	CVCS-066	6a	Low	1-CVCS09	Medium	None	Low	S6-56-2(1)	RB-56-11	1	2.2-79
2CVCS	CVCS-067	6a	Low	1-CVCS09	Medium	None	Low	S6-56-2(2)	RB-56-18	1	2 2-79

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-068	6a	Low	1-CVCS09	Medium	None	Low	S6-57-2	RB-57-1, RB-57-2, RB-57-3, RB-57-4, RB-57-5, WIC-57A, RB-57-6, RB-57-7, RB-57-8, RB-57-9, RB-57-10, RB-57-11, RB-57-12, WIC-57B, RB-57-13, RB-57-14, ***WIC-57C***, RB-57-15, RB-57-17, RB-57-18, RB-57-19, RB-57-20, WIC-57D, RB-57-21, RB-57-22, RB-57-23, RB-57-25, RB-57-26, RB-57-27, WIC-57E, RB-57-28, RB-57-29, RB-57-30, RB-57-31, RB-57-32, RB-57-33, RB-57-34, RB-57-35, RB-57-36, RB-57-37, RB-57-38, RB-57-39, RB-57-40, RB-57-41, RB-57-42, RB-57-43, RB-57-44, RB-57-45, ***WIC-57F***, RB-57-46, RB-57-47, RB-57-48, RB-57-49, RB-57-50, RB-57-51, RB-57-52, RB-57-53, RB-57-54, RB-57-56, RB-57-57, WIC-57G, RB-57-58, RB-57-59, RB-57-60, RB-57-61, RB-57-62, WIC-57H, RB-57-63, RB-57-64, RB-57-65, RB-57-66, RB-57-67, RB-57-68, RB-57-69	74	2 2-73 2 2-81 2 2-82
2CVCS	CVCS-069	6a	Low	1-CVCS09	Medium	None	Low	S6-57-2(1)	RB-57-16	1	2 2-81
2CVCS	CVCS-070	6a	Low	1-CVCS09	Medium	None	Low	S6-57-2(2)	RB-57-24	1	2 2-81
2CVCS	CVCS-071	6a	Low	1-CVCS09	Medium	None	Low	S6-57-2(3)	RB-57-55	1	2 2-82
2CVCS	CVCS-074	6a	Low	1-RCS23B	Medium	None	Low	S6-54-2	***WIB-1030B***, WIB-1030A	2	1 4-42
2CVCS	CVCS-077	6a	Low	1-RCS24B	Medium	None	Low	S6-55-2	WIB-989B, WIB-989A	2	1 4-43
2CVCS	CVCS-080	6a	Low	1-RCS25B	Medium	None	Low	S6-56-2	WIB-1002B, WIB-1002A	2	1 4-44
2CVCS	CVCS-083	6a	Low	1-RCS26B	Medium	None	Low	S6-57-2	WIB-1019B, WIB-1019A	2	1 4-45
3SIS	SIS-005	6a	Low	1-ACC02A	Medium	None	Low	S6-3844-6	WIB-54, WIB-444A, ***WIB-53***, WIB-52, WIB-51, WIB-50, WIB-49, ***WIB-48***, WIB-47	9	1 4-17
3SIS	SIS-006	6a	Low	1-ACC02A	Medium	None	Low	S6-253-10	WIB-46, WIB-45, WIB-44, WIB-43	4	1 4-8
3SIS	SIS-008	6a	Low	1-ACC02A	Medium	None	Low	S6-3855-2	WIB-449, ***WIB-448***, WIB-445, WIB-444	4	1 4-17
3SIS	SIS-009	6a	Low	1-ACC02A	Medium	None	Low	S6-3855-2(1)	WIB-447	1	1 4-17
3SIS	SIS-010	6a	Low	1-ACC02B	Medium	None	Low	S6-3845-6	***WIB-171***, WIB-450A, WIB-170, WIB-169, ***WIB-168***, WIB-167, WIB-166, WIB-165, WIB-164, WIB-163, WIB-162, ***WIB-161***, WIB-160	13	1.4-18

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System	Risk Characterization			Consequence		Failure Potential		Lines In Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-011	6a	Low	1-ACC02B	Medium	None	Low	S6-254-10	WIB-159, WIB-158, ***WIB-157***, WIB-156	4	1 4-9
3SIS	SIS-013	6a	Low	1-ACC02B	Medium	None	Low	S6-3856-2	***WIB-454***, WIB-453, WIB-451, WIB-450	4	1 4-18
3SIS	SIS-014	6a	Low	1-ACC02B	Medium	None	Low	S6-3856-2(1)	WIB-452	1	1 4-18
3SIS	SIS-015	6a	Low	1-ACC02C	Medium	None	Low	S6-3846-6	WIB-219, WIB-218, ***WIB-217***, WIB-216, WIB-215, ***WIB-214***, WIB-213, WIB-212	8	1 4-19
3SIS	SIS-017	6a	Low	1-ACC02C	Medium	None	Low	S6-3857-2	WIB-463, ***WIB-462***, WIB-460, WIB-459, ***WIB-458***, WIB-457, WIB-456, WIB-455, WIB-455A	9	1 4-54
3SIS	SIS-018	6a	Low	1-ACC02C	Medium	None	Low	S6-3857-2(1)	WIB-461	1	1.4-54
3SIS	SIS-019	6a	Low	1-ACC02D	Medium	None	Low	S6-3847-6	WIB-287, ***WIB-286***, WIB-285, ***WIB-284***, WIB-283, WIB-282, WIB-281, ***WIB-280***, WIB-279, WIB-278, WIB-277	11	1 4-20
3SIS	SIS-020	6a	Low	1-ACC02D	Medium	None	Low	S6-256-10	***WIB-276***, WIB-275, WIB-274, WIB-273	4	1 4-11
3SIS	SIS-022	6a	Low	1-ACC02D	Medium	None	Low	S6-3858-2	WIB-478, WIB-477, ***WIB-475***, WIB-474, WIB-473, ***WIB-472***, WIB-471, WIB-470, WIB-469, WIB-468, ***WIB-467***, WIB-466, WIB-465, ***WIB-464***, WIB-464A	15	1 4-55
3SIS	SIS-023	6a	Low	1-ACC02D	Medium	None	Low	S6-3858-2(1)	WIB-476	1	1 4-55
3SIS	SIS-024	6a	Low	1-ACC03A	Medium	None	Low	S6-508-8 S6-3845-6	***WIC-289***, WIC-288, WIC-287, WIC-286, RB-508-1, WIC-285, WIC-284, WIC-283, WIC-282, WIC-281, WIC-280, RB-508-2, RB-508-3, RB-508-4, RB-508-5, RB-508-6, RB-508-7, RB-508-8, RB-508-9, RB-508-10, ***WIC-279***, WIC-272 ***WIC-271***, RB-3845-1, RB-3845-2, WIC-270, WIC-269, WIC-268, WIC-267	29	2 2-30 2 2-31 2 2-32 2 2-35
3SIS	SIS-025	6a	Low	1-ACC03A	Medium	None	Low	S6-508-8(1) S6-3844-6	WIC-273 WIC-274, RB-3844-1, RB-3844-2, WIC-275, WIC-276, WIC-277, WIC-278	8	2 2-32 2 2-34
3SIS	SIS-026	6a	Low	1-ACC03B	Medium	None	Low	S6-509-8 S6-3847-6	WIC-290, WIC-291, WIC-292, WIC-293, WIC-294, WIC-295, WIC-296, WIC-297, WIC-299, WIC-300, RB-509-1, WIC-301 WIC-302, ***WIC-303***, WIC-304, WIC-305	16	2 2-33 2.2-36
3SIS	SIS-027	6a	Low	1-ACC03B	Medium	None	Low	S6-509-8(1)	WIC-298	1	2 2-33
3SIS	SIS-030	6a	Low	1-CVCS05B	Medium	None	Low	S2-1988-8	WIC-372	1	2 2-29
3SIS	SIS-031	6a	Low	1-CVCS05B	Medium	None	Low	S2-734-8	WIC-437, WIC-438, WIC-439, WIC-441, ***WIC-442***	5	2 2-3
3SIS	SIS-032	6a	Low	1-CVCS05B	Medium	None	Low	S2-734-8(1) S2-4296-6	WIC-440 WIC-373, WIC-374, WIC-375, WIC-376, RB-4296-1, WIC-377, ***WIC-378***, WIC-379, WIC-380, WIC-381, WIC-382	12	2 2-20 2 2-3
3SIS	SIS-033	6a	Low	1-CVCS08	Medium	None	Low	S6-1975-4	RB-1975-1, RB-1975-2, WIC-1975A, RB-1975-3	4	2 2-47

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-034	6a	Low	1-CVCS08	Medium	None	Low	S6-1974-4	RB-1974-1, RB-1974-2, ***WIC-1974A***, RB-1974-3	4	2 2-46
3SIS	SIS-038	6a	Low	1-CVCS11	Medium	None	Low	S6-1016-3	RB-1016-3, RB-1016-4, WIB-300, WIB-301, ***WIB-302***, WIB-303	6	1 4-36 2 2-53
3SIS	SIS-039B	6a	Low	1-CVCS11	Medium	None	Low	S6-1995-3	WIB-99-B, WIB-99-C, WIB-99-G, WIB-99-H, WIB-310, WIB-309, ***WIB-308***, WIB-307, WIB-304, WIB-99-I, WIB-99-J, WIB-99-N, WIB-99-P	13	1.4-36
3SIS	SIS-040A	6a	Low	1-CVCS11	Medium	None	Low	S6-1995-3	WIB-99-F, WIB-99-E	2	1.4-36
3SIS	SIS-048A	6a	Low	1-CVCS11	Medium	None	Low	S6-1995-3	WIB-99-M, WIB-99-L	2	1.4-36
3SIS	SIS-062	6a	Low	1-RHR04A	Medium	None	Low	S1-512-14	RB-512-3, RB-512-4, WIC-223, WIC-222A, WIC-222, WIC-221	6	2 2-11
3SIS	SIS-065	6a	Low	1-RHR05A	Medium	None	Low	S1-513-14	RB-513-3, RB-513-4, WIC-204, WIC-203, WIC-202	5	2 2-12
3SIS	SIS-070	6a	Low	1-RHR10A	Medium	None	Low	S6-3863-2	WIB-421, ***WIB-420***, WIB-418, WIB-417, WIB-417A	5	1.4-50
3SIS	SIS-071	6a	Low	1-RHR10A	Medium	None	Low	S6-3863-2(1)	WIB-419	1	1.4-50
3SIS	SIS-072	6a	Low	1-RHR10A	Medium	None	Low	S6-235-6	WIB-12A, WIB-13, ***WIB-12***, WIB-11, WIB-10, WIB-9, WIB-8, WIB-7	8	1.4-13
3SIS	SIS-074	6a	Low	1-RHR10B	Medium	None	Low	S6-3864-2	WIB-426, WIB-425, WIB-423, WIB-422, ***WIB-422A***	5	1.4-51
3SIS	SIS-075	6a	Low	1-RHR10B	Medium	None	Low	S6-3864-2(1)	***WIB-424***	1	1 4-51
3SIS	SIS-076	6a	Low	1-RHR10B	Medium	None	Low	S6-236-6	***WIB-82***, WIB-81, WIB-80, ***WIB-79***, WIB-78	5	1 4-14
3SIS	SIS-080	6a	Low	1-SI02	Medium	None	Low	S2-1986-8 S2-1983-6	WIC-409, ***WIC-410***, WIC-411, WIC-412, WIC-413, WIC-425 WIC-426, WIC-427, WIC-428, WIC-429, WIC-430, WIC-431, WIC-432	13	2 2-18
3SIS	SIS-081	6a	Low	1-SI02	Medium	None	Low	S2-1986-8(1) S2-1982-6	WIC-414 WIC-415, WIC-416, WIC-417, WIC-418, WIC-419, ***WIC-420***, WIC-421	8	2.2-18
3SIS	SIS-082	6a	Low	1-SI03A	Medium	None	Low	S2-1982-6	WIC-422, WIC-423, WIC-424, RB-1982-1, RB-1982-2, RB-1982-3, RB-1982-4, RB-1982-5	8	2.2-18
3SIS	SIS-083	6a	Low	1-SI03A	Medium	None	Low	S2-5848-6	***WIC-383***, WIC-384, WIC-385, RB-5848-1, WIC-386, WIC-387, WIC-388	7	2 2-20
3SIS	SIS-084	6a	Low	1-SI03B	Medium	None	Low	S2-1983-6	WIC-433, WIC-434, WIC-436, RB-1983-1, RB-1983-2, RB-1983-3, RB-1983-4, RB-1983-5	8	2 2-18
3SIS	SIS-085	6a	Low	1-SI03B	Medium	None	Low	S2-1984-8 S2-1983-6(1)	***WIC-389***, WIC-390, WIC-391, WIC-392, WIC-393, ***WIC-394***, WIC-395, WIC-396, WIC-397, WIC-398, WIC-399, WIC-400, WIC-401, WIC-402, WIC-403, WIC-404, WIC-405, ***WIC-406***, WIC-407, WIC-408 WIC-435	21	2 2-17 2 2-18

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
4RHRS	RHRS-001	6a	Low	1-RHR02	Medium	None	Low	S1-927-14 S1-110-14	RB-927-1, RB-927-2, WIC-245, WIC-244, WIC-243, WIC-242, WIC-241 WIC-230, WIC-229, WIC-228, RB-110-1, RB-110-2, ***WIC-226***	13	2 2-1 2 2-2
4RHRS	RHRS-002	6a	Low	1-RHR02	Medium	None	Low	S1-111-14	***WIC-231***, WIC-232, WIC-233, WIC-234, WIC-240, WIC-240A, WIC-240B, WIC-227	8	2 2-2
4RHRS	RHRS-003	6a	Low	1-RHR03A	Medium	None	Low	S1-927-14	WIC-309, WIC-309A, FW-173, WIC-308, ***WIC-307***, WIC-306	6	2 2-1
4RHRS	RHRS-004	6a	Low	1-RHR03B	Medium	None	Low	S6-1665-14	WIB-242, WIB-243, WIB-244, ***WIB-245***, WIB-246, WIB-247, ***WIB-248***	7	1.4-7
4RHRS	RHRS-005	6a	Low	1-RHR04A	Medium	None	Low	S1-110-14	WIC-217, WIC-216, WIC-215, WIC-214, WIC-213, ***WIC-212***, WIC-211, WIC-210, WIC-209, WIC-208, WIC-207	11	2 2-11
4RHRS	RHRS-010	6a	Low	1-RHR05A	Medium	None	Low	S1-111-14	WIC-199, WIC-198, WIC-197, WIC-196, WIC-195, WIC-194, WIC-193, WIC-192, ***WIC-191***, WIC-190, ***WIC-189A***	11	2 2-12
4RHRS	RHRS-011	6a	Low	1-RHR05A	Medium	None	Low	S1-111-14(1)	WIC-235, WIC-236A	2	2 2-2
4RHRS	RHRS-012	6a	Low	1-RHR05A	Medium	None	Low	S1-111-14(2)	FW-247, FW-248	2	2 2-2
4RHRS	RHRS-032	6a	Low	1-RHR07	Medium	None	Low	S1-1663-8	***WIC-160***, WIC-161, WIC-162, WIC-163, ***WIC-164***, WIC-165, WIC-166, WIC-167, WIC-168, WIC-169, WIC-170, WIC-171, ***WIC-172***, WIC-123, WIC-124, WIC-125	16	2 2-9A 2 2-9B
4RHRS	RHRS-033	6a	Low	1-RHR07	Medium	None	Low	S1-1661-8	WIC-122, WIC-121, ***WIC-120***, WIC-119, WIC-118, WIC-117, ***WIC-116***, WIC-115, WIC-114, WIC-113, WIC-112, WIC-111, ***WIC-110***, WIC-109, ***WIC-108***, WIC-107, WIC-106, WIC-105, WIC-104	19	2 2-9B
4RHRS	RHRS-035	6a	Low	1-RHR09	Medium	None	Low	S6-120-12 S6-2576-8	WIC-253, WIC-248 ***WIC-249***, WIC-250, WIC-251, WIC-252	6	2 2-4
4RHRS	RHRS-036	6a	Low	1-RHR09	Medium	None	Low	S6-2575-8	WIC-247, WIC-246	2	2 2-4
4RHRS	RHRS-037	6a	Low	1-RHR10A	Medium	None	Low	S6-2575-8	WIB-18, WIB-17, ***WIB-16***, WIB-15, WIB-14	5	1 4-12
4RHRS	RHRS-038	6a	Low	1-RHR10B	Medium	None	Low	S6-2576-8	WIB-88, ***WIB-87***, WIB-86, WIB-85, WIB-84, ***WIB-83***	6	1 4-12
5CSS	CSS-001	6a	Low	1-CS01	Medium	None	Low	S2-264-8	RB-264-1, RB-264-2, WIC-264B, RB-264-3, RB-264-4, RB-264-5, RB-264-6, RB-264-7, RB-264-8, RB-264-9, RB-264-10, RB-264-11, WIC-264C, RB-264-12, RB-264-13, RB-264-14, RB-264-15, RB-264-16, RB-264-17, RB-264-18, RB-264-19, RB-264-20	22	-

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
5CSS	CSS-002	6a	Low	1-CS02	Medium	None	Low	S2-265-8	RB-265-1, RB-265-2, RB-265-3, RB-265-4, RB-265-5, RB-265-6, RB-265-7, RB-265-8, RB-265-9, WIC-265B, RB-265-10, RB-265-11, WIC-265C, RB-265-12, RB-265-13, RB-265-14, ***WIC-265A***, RB-265-15	18	-
5CSS	CSS-003	6a	Low	1-CS03A	Medium	None	Low	S2-264-8	RB-264-21, RB-264-22	2	-
5CSS	CSS-004	6a	Low	1-CS03B	Medium	None	Low	S2-264-8	RB-264-23, RB-264-24, RB-264-25, RB-264-26, RB-264-27, RB-264-28, ***WIC-264A***, RB-264-29, RB-264-30, RB-264-31, RB-264-32, RB-264-33, RB-264-34	13	-
5CSS	CSS-005	6a	Low	1-CS04A	Medium	None	Low	S2-265-8	RB-265-16, RB-265-17	2	-
5CSS	CSS-006	6a	Low	1-CS04B	Medium	None	Low	S2-265-8 S3-326-8	RB-265-18, RB-265-19, RB-265-20, RB-265-21, RB-265-22, RB-265-23, RB-265-24, RB-265-25, RB-265-26, RB-265-27, RB-265-28, RB-265-29, RB-265-30, RB-265-31 RB-326-1	15	-
6RWST	RWST-007	6a	Low	1-RWST02A-PEN	Medium	None	Low	S2-1988-8	RB-1988-1, RB-1988-2, RB-1988-3, RB-1988-4, RB-1988-5, RB-1988-6, RB-1988-7, RB-1988-8, RB-1988-9, RB-1988-10, RB-1988-11, RB-1988-12, RB-1988-13, RB-1988-14, RB-1988-15, RB-1988-16, RB-1988-17	17	-
6RWST	RWST-008	6a	Low	1-RWST02A-PEN	Medium	None	Low	S2-221-18	RB-221-15, RB-221-16, RB-221-17, RB-221-18, RB-221-19, RB-221-20, RB-221-21, RB-221-22, RB-221-23, RB-221-24	10	-
6RWST	RWST-009	6a	Low	1-RWST02A-PEN	Medium	None	Low	S2-224-8	RB-224-1, RB-224-2, RB-224-3, RB-224-4, RB-224-5, RB-224-6, RB-224-7, RB-224-8, RB-224-9, RB-224-10, RB-224-11	11	-
6RWST	RWST-013	6a	Low	1-RWST02B-PEN	Medium	None	Low	S2-261-12	RB-261-20, RB-261-21, RB-261-22, RB-261-23, RB-261-24, RB-262-25, RB-261-26, RB-261-27	8	-
6RWST	RWST-014	6a	Low	1-RWST02B-PEN	Medium	None	Low	S2-262-10	RB-262-1, RB-262-2, RB-262-3, RB-262-4, RB-262-5, RB-262-6	6	-
6RWST	RWST-015	6a	Low	1-RWST02B-PEN	Medium	None	Low	S2-263-10	RB-263-1, RB-263-2, RB-263-3, RB-263-4	4	-
6RWST	RWST-016	6a	Low	1-RWST03A	Medium	None	Low	S2-262-10	RB-262-7, RB-262-8, RB-262-9, RB-262-10, RB-262-11	5	-
6RWST	RWST-017	6a	Low	1-RWST03B	Medium	None	Low	S2-263-10	RB-263-5, RB-263-6, RB-263-7, RB-263-8, RB-263-9	5	-

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
6RWST	RWST-018	6a	Low	1-SI01	Medium	None	Low	S2-1986-8	RB-1986-1, RB-1986-2, RB-1986-3	3	-
9MSS	MSS-001	6a	Low	1-MS01A	Medium	None	Low	K15-228-28	WICG1-1, WICG2-1, WICG4-1, WICG5-1, WICG6-1, WICG7-1, RB-228-1, RB-228-2, WICG8-1, ***WICG9-1***, RB-228-3, WICG10-1	12	2.2-21
9MSS	MSS-002	6a	Low	1-MS01B	Medium	None	Low	K15-227-28	WICG1-2, WICG2-2, WICG4-2, WICG5-2, WICG6-2, WICG7-2, RB-227-1, RB-227-2, WICG8-2, WICG9-2, RB-227-3, ***WICG10-2***	12	2 2-22
9MSS	MSS-003	6a	Low	1-MS01C	Medium	None	Low	K15-226-28	WICG1-3, WICG2-3, WICG4-3, WICG5-3, WICG6-3, WICG7-3, RB-226-1, RB-226-2, WICG8-3, WICG9-3, WICG10-3	11	2 2-23
9MSS	MSS-004	6a	Low	1-MS01D	Medium	None	Low	K15-225-28	***WICG1-4***, WICG2-4, WICG4-4, WICG5-4, WICG6-4, WICG7-4, RB-225-1, RB-225-2, WICG8-4, WICG9-4, RB-225-3, WICG10-4	12	2 2-24
9MSS	MSS-005	6a	Low	1-MS02A	Medium	None	Low	K15-228-28	RB-228-4, WICG11-1, WICG12-1, WICG21-1, WICG22-1, WICG23-1, WICG24-1	7	2 2-21
9MSS	MSS-006	6a	Low	1-MS02A	Medium	None	Low	K15-228-8	WICG13-1, WICG26-1	2	2 2-21
9MSS	MSS-007	6a	Low	1-MS02A	Medium	None	Low	K15-228-8(1)	WICG14-1	1	2 2-21
9MSS	MSS-008	6a	Low	1-MS02A	Medium	None	Low	K15-228-8(2)	WICG15-1	1	2 2-21
9MSS	MSS-009	6a	Low	1-MS02A	Medium	None	Low	K15-228-8(3)	WICG16-1, WICG17-1	2	2 2-21
9MSS	MSS-010	6a	Low	1-MS02A	Medium	None	Low	K15-228-8(4)	WICG19-1, ***WICG18-1***	2	2 2-21
9MSS	MSS-011	6a	Low	1-MS02A	Medium	None	Low	K15-228-8(5)	WICG20-1	1	2 2-21
9MSS	MSS-012	6a	Low	1-MS02B	Medium	None	Low	K15-227-28	RB-227-4, WICG11-2, WICG12-2, WICG22-2, WICG23-2, WICG24-2, WICG25-2	7	2 2-22
9MSS	MSS-013	6a	Low	1-MS02B	Medium	None	Low	K15-227-8	WICG13-2, WICG27-2	2	2 2-22
9MSS	MSS-014	6a	Low	1-MS02B	Medium	None	Low	K15-227-8(1)	WICG14-2	1	2 2-22
9MSS	MSS-015	6a	Low	1-MS02B	Medium	None	Low	K15-227-8(2)	WICG15-2	1	2 2-22
9MSS	MSS-016	6a	Low	1-MS02B	Medium	None	Low	K15-227-8(3)	WICG16-2, WICG17-2	2	2 2-22
9MSS	MSS-017	6a	Low	1-MS02B	Medium	None	Low	K15-227-8(4)	WICG18-2, WICG19-2	2	2 2-22
9MSS	MSS-018	6a	Low	1-MS02B	Medium	None	Low	K15-227-8(5)	WICG20-2	1	2.2-22

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
9MSS	MSS-019	6a	Low	1-MS02C	Medium	None	Low	K15-226-28	RB-226-3, WICG11-3, WICG12-3, WICG13-3, WICG14-3, WICG15-3	6	2.2-23
9MSS	MSS-020	6a	Low	1-MS02C	Medium	None	Low	K15-1065-24	WICG16-3, WICG19-3, WICG20-3, WICG27-3	4	2 2-23
9MSS	MSS-021	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8	***WICG21-3***, WICG30-3	2	2 2-23
9MSS	MSS-022	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8(1)	WICG22-3	1	2 2-23
9MSS	MSS-023	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8(2)	WICG23-3	1	2 2-23
9MSS	MSS-024	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8(3)	WICG24-3	1	2 2-23
9MSS	MSS-025	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8(4)	WICG25-3	1	2.2-23
9MSS	MSS-026	6a	Low	1-MS02C	Medium	None	Low	K15-1065-8(5)	WICG26-3	1	2 2-23
9MSS	MSS-027	6a	Low	1-MS02D	Medium	None	Low	K15-225-28	RB-225-4, WICG11-4, RB-225-5, ***WICG12-4***, WICG13-4, WICG14-4, WICG15-4	7	2 2-24
9MSS	MSS-028	6a	Low	1-MS02D	Medium	None	Low	K15-1066-24	WICG16-4, WICG17-4, WICG18-4, WICG19-4, WICG20-4, ***WICG27-4***	6	2 2-24
9MSS	MSS-029	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8	WICG21-4, WICG30-4	2	2 2-24
9MSS	MSS-030	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8(1)	WICG22-4	1	2.2-24
9MSS	MSS-031	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8(2)	WICG23-4	1	2 2-24
9MSS	MSS-032	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8(3)	WICG24-4	1	2 2-24
9MSS	MSS-033	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8(4)	WICG25-4	1	2 2-24
9MSS	MSS-034	6a	Low	1-MS02D	Medium	None	Low	K15-1066-8(5)	WICG26-4	1	2.2-24
2CVCS	CVCS-012	6b	Low	1-CVCS04B	Low	TT	Medium	S6-51-2	WIB-365, WIB-366, WIB-370, WIB-370A, WIB-370B, WIB-371, WIB-372, ***WIB-373***, WIB-374, WIB-375, WIB-376, WIB-377, WIB-378, ***WIB-379***, WIB-380, WIB-381, ***WIB-382***, WIB-383, WIB-384, WIB-385, WIB-386, WIB-387, WIB-389, WIB-390, WIB-391, ***WIB-392***, WIB-393, ***WIB-394***, WIB-395, WIB-398, ***WIB-399***, WIB-400, WIB-401, ***WIB-402***, WIB-403, WIB-404, WIB-405, WIB-406, ***WIB-407***, WIB-408, WIB-409, WIB-410, ***WIB-411***, WIB-412, WIB-413, ***WIB-414***	46	1 4-40A 1.4-40B 1 4-41

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-013	6b	Low	1-CVCS04B	Low	TT	Medium	S6-51-2(1)	WIB-367	1	1 4-40B
2CVCS	CVCS-015	6b	Low	1-CVCS04B	Low	TT	Medium	S6-4532-2	WIB-370F, ***WIB-370E***, WIB-370D, WIB-370C	4	1 4-40B
2CVCS	CVCS-016	6b	Low	1-CVCS04B	Low	TT	Medium	S6-51-2(2)	***WIB-388***	1	1 4-40A
3SIS	SIS-043	6b	Low	1-CVCS12A	Low	IGSCC	Medium	S6-1991-1-1/2	WIB-45	1	1 4-66
3SIS	SIS-045	6b	Low	1-CVCS12B	Low	IGSCC	Medium	S6-1992-1-1/2	WIB-163	1	1 4-69
3SIS	SIS-049	6b	Low	1-CVCS12C	Low	IGSCC	Medium	S6-1993-1-1/2	***WIB-277***	1	1 4-71
3SIS	SIS-053	6b	Low	1-CVCS12D	Low	IGSCC	Medium	S6-1994-1-1/2	WIB-113	1	1 4-65B
3SIS	SIS-087	6b	Low	1-SI04A	Low	IGSCC	Medium	S6-237-6	WIB-176	1	1 4-15
3SIS	SIS-091	6b	Low	1-SI04B	Low	IGSCC	Medium	S6-238-6	***WIB-289***, WIB-288	2	1.4-16 1 4-6
1RCS	RCS-009	7a	Low	1-RCS01B	Low	None	Low	S6-1140-2	***WIB-28F***, WIB-28G	2	1 4-60
1RCS	RCS-063	7a	Low	1-RCS19B	Low	None	Low	S6-958-2	WIB-24, WIB-25	2	1 4-46
1RCS	RCS-066	7a	Low	1-RCS20B	Low	None	Low	S6-959-2	***WIB-140***, WIB-141, WIB-142, ***WIB-143***	4	1 4-47
1RCS	RCS-068	7a	Low	1-RCS21B	Low	None	Low	S6-960-2	WIB-253, WIB-254	2	1 4-48
1RCS	RCS-070	7a	Low	1-RCS22B	Low	None	Low	S6-961-2	WIB-342, ***WIB-343***, WIB-345, WIB-346, WIB-347, WIB-348	6	1.4-49
1RCS	RCS-071	7a	Low	1-RCS22B	Low	None	Low	S6-961-2(1)	WIB-344	1	1.4-49
2CVCS	CVCS-014	7a	Low	1-CVCS04B	Low	None	Low	S6-51-2(1)	WIB-368, ***WIB-369***	2	1 4-40B
3SIS	SIS-039A	7a	Low	1-CVCS12B	Low	None	Low	S6-1995-3	WIB-99-A	1	1 4-36
3SIS	SIS-039C	7a	Low	1-CVCS12B	Low	None	Low	S6-1995-3	WIB-99-R	1	1.4-36
3SIS	SIS-040B	7a	Low	1-CVCS12D	Low	None	Low	S6-1995-3	WIB-99-D	1	1.4-36

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System	Risk Characterization			Consequence		Failure Potential		Lines In Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-042	7a	Low	1-CVCS12A	Low	None	Low	S6-1991-1-1/2	WIB-99-13, WIB-99-12, WIB-99-11, WIB-99-10, WIB-99-9, WIB-99-8, WIB-99-7, WIB-99-6, WIB-99-5, WIB-99-4, WIB-99-3, WIB-99-2, WIB-99-1, WIB-69, WIB-68, ***WIB-67***, WIB-66, WIB-65, ***WIB-64***, WIB-63, WIB-62, WIB-61, WIB-60, WIB-59, WIB-58, ***WIB-57***, WIB-56, WIB-55, WIB-54, ***WIB-53***, WIB-52, WIB-50, ***WIB-49***, WIB-48, WIB-47, WIB-46	36	1 4-64 1.4-65A 1.4-66
3SIS	SIS-044	7a	Low	1-CVCS12B	Low	None	Low	S6-1992-1-1/2	WIB-99-1, WIB-99-2, WIB-99-3, WIB-99-4, WIB-99-5, WIB-99-6, WIB-99-7, WIB-99-8, WIB-99-9, WIB-99-10, WIB-99-11, WIB-99-12, WIB-99-13, WIB-227, WIB-226, ***WIB-225***, WIB-224, WIB-223, WIB-222, WIB-221, ***WIB-220***, WIB-219, WIB-207, WIB-206, WIB-205, ***WIB-204***, WIB-203, WIB-202, WIB-201, WIB-200, WIB-199, WIB-198, WIB-197, WIB-196, WIB-195, ***WIB-194***, WIB-193, WIB-192, ***WIB-191***, WIB-190, ***WIB-189***, WIB-188, ***WIB-187***, WIB-186, WIB-185, WIB-184, WIB-183, ***WIB-182***, ***WIB-181***, WIB-180, WIB-179, WIB-178, WIB-177, ***WIB-176***, WIB-175, WIB-174, WIB-172, WIB-171, WIB-170, WIB-169, WIB-168, WIB-167, WIB-166, WIB-165, WIB-164	65	1.4-67 1 4-68 1.4-69
3SIS	SIS-047	7a	Low	1-CVCS12B	Low	None	Low	S6-1992-1-1/2(2)	***WIB-173***	1	1.4-69
3SIS	SIS-048	7a	Low	1-CVCS12C	Low	None	Low	S6-1993-1-1/2	WIB-99-1, WIB-99-2, WIB-99-3, WIB-99-4, WIB-99-5, WIB-99-6, WIB-99-7, WIB-99-8, WIB-99-9, WIB-99-10, WIB-99-11, WIB-99-12, WIB-307, ***WIB-306***, WIB-305, WIB-303, ***WIB-302D***, WIB-302C, WIB-302B, ***WIB-302A***, WIB-302, WIB-301, WIB-300, ***WIB-299***, WIB-298, WIB-297, WIB-296, WIB-295, WIB-294, ***WIB-293***, WIB-292, WIB-291, WIB-290, WIB-289, WIB-288, ***WIB-287***, WIB-286, WIB-284, WIB-283, WIB-282, WIB-281, WIB-280, WIB-279, WIB-278	44	1.4-70 1 4-71
3SIS	SIS-048B	7a	Low	1-CVCS12C	Low	None	Low	S6-1995-3	WIB-99-K	1	1.4-36
3SIS	SIS-050	7a	Low	1-CVCS12C	Low	None	Low	S6-1993-1-1/2(1)	WIB-304	1	1 4-70
3SIS	SIS-051	7a	Low	1-CVCS12C	Low	None	Low	S6-1993-1-1/2(2)	***WIB-285***	1	1 4-71

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-052	7a	Low	1-CVCS12D	Low	None	Low	S6-1994-1-1/2	WIB-85, WIB-86, WIB-87, WIB-99-1, WIB-99-2, WIB-99-3, WIB-99-4, WIB-99-5, WIB-99-6, WIB-99-7, WIB-99-8, WIB-99-9, WIB-99-10, WIB-99-11, WIB-99-12, WIB-99-13, WIB-99, WIB-100, WIB-101, WIB-102, WIB-103, ***WIB-104***, WIB-105, ***WIB-106***, WIB-107, WIB-108, WIB-110, WIB-111, ***WIB-112***	29	1 4-64 1 4-65B
3SIS	SIS-055	7a	Low	1-CVCS12D	Low	None	Low	S6-1994-1-1/2(2)	***WIB-109***	1	1 4-65B
3SIS	SIS-058	7a	Low	1-CVCS12A	Low	None	Low	S6-1991-1-1/2(2)	WIB-51	1	1 4-65A
3SIS	SIS-064	7a	Low	1-RHR04A-1	Low	None	Low	S1-512-14	WIC-225, ***WIC-224***, RB-512-1, RB-512-2	4	2 2-11
3SIS	SIS-067	7a	Low	1-RHR05A-1	Low	None	Low	S1-513-14	WIC-206, WIC-205, RB-513-1, RB-513-2	4	2 2-12
3SIS	SIS-086	7a	Low	1-SI04A	Low	None	Low	S6-1976-2 S6-237-6	***WIB-434***, WIB-433, WIB-431, WIB-430, WIB-429, ***WIB-428***, WIB-427 WIB-181, WIB-180, WIB-179, WIB-178, WIB-177	12	1 4-15 1 4-52
3SIS	SIS-088	7a	Low	1-SI04A	Low	None	Low	S6-237-6	***WIB-175***	1	1 4-15
3SIS	SIS-089	7a	Low	1-SI04A	Low	None	Low	S6-1976-2(1)	WIB-432	1	1.4-52
3SIS	SIS-090	7a	Low	1-SI04B	Low	None	Low	S6-1990-2 S6-238-6	***WIB-443***, WIB-442, WIB-440, WIB-439, WIB-437, WIB-436, WIB-435A, ***WIB-435*** WIB-291, WIB-290	10	1.4-16 1 4-53
3SIS	SIS-092	7a	Low	1-SI04B	Low	None	Low	S6-1990-2(1)	WIB-441	1	1.4-53
3SIS	SIS-093	7a	Low	1-SI04B	Low	None	Low	S6-1990-2(2)	WIB-438	1	1.4-53
5CSS	CSS-007	7a	Low	1-CS05	Low	None	Low	S3-325-8	RB-325-1, RB-325-2, RB-325-3, RB-325-4, RB-325-5, RB-325-6	6	-
5CSS	CSS-008	7a	Low	1-CS06	Low	None	Low	S3-326-8	RB-326-2, RB-326-3, RB-326-4, RB-326-5, RB-326-6, RB-326-7	6	-
6RWST	RWST-001	7a	Low	1-RHR01	Low	None	Low	S1-223-12	RB-223-1, RB-223-2, RB-223-3, RB-223-4	4	-
									Total:	**2520**	

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-027	2	High	2-RCS06	High	TASCS, TT	Medium	*-16-14	***WIB-432***	1	1.4-2
1RCS	RCS-045	2	High	2-RCS13	High	TASCS, TT	Medium	*-16-14	WIB-433, ***WIB-433A***, WIB-433B, WIB-433C, WIB-434, WIB-435, ***WIB-436***, Elbow Between WIB-436 and WIB-437 (does not count as a weld), WIB-437	8	1 4-5
1RCS	RCS-049	2	High	2-RCS14B	High	TASCS	Medium	S6-15-4	WIB-341, WIB-342, ***WIB-343***, WIB-344	4	1 4-26
1RCS	RCS-079	2	High	2-SI05B	High	TASCS	Medium	S6-109-14	WIB-245, ***WIB-246***, WIB-247, WIB-248, ***WIB-249***, WIB-250	6	1 4-10
1RCS	RCS-006	2	High	2-RCS01	High	TT	Medium	S6-1991-1-1/2	WIB-507	1	1 4-1
1RCS	RCS-013	2	High	2-RCS02	High	TT	Medium	S6-1992-1-1/2	WIB-560	1	1 4-2
1RCS	RCS-017	2	High	2-RCS03	High	TT	Medium	S6-50-3	WIB-183	1	1.4-3
1RCS	RCS-018	2	High	2-RCS03	High	TT	Medium	S6-1993-1-1/2	WIB-654	1	1 4-3
1RCS	RCS-022	2	High	2-RCS04	High	TT	Medium	S6-246-3	WIB-310	1	1 4-4
1RCS	RCS-023	2	High	2-RCS04	High	TT	Medium	S6-1994-1-1/2	***WIB-732***	1	1 4-4
1RCS	RCS-046	2	High	2-RCS13	High	TT	Medium	*-16-14	WIB-438, ***WIB-439(SE)****	2	1 4-5
1RCS	RCS-057	2	High	2-RCS17A	High	TT	Medium	S6-1171-3	WIB-411	1	1.4-34
1RCS	RCS-059	2	High	2-RCS17B	High	TT	Medium	S6-1172-3	WIB-404	1	1.4-35
1RCS	RCS-061	2	High	2-RCS17C	High	TT	Medium	S6-1195-3	***WIB-422***	1	1 4-36
1RCS	RCS-063	2	High	2-RCS18A	High	TT	Medium	S6-729-6	***WIB-378***	1	1.4-19
1RCS	RCS-065	2	High	2-RCS18B	High	TT	Medium	S6-728-6	WIB-431	1	1.4-20
1RCS	RCS-067	2	High	2-RCS18C	High	TT	Medium	S6-727-6	WIB-367	1	1 4-21
2CVCS	CVCS-008A	2	High	2-CVCS04A	High	TASCS, TT	Medium	S6-51-2	***WIB-790***	1	1 4-37
2CVCS	CVCS-005	2	High	2-CVCS02A	High	TASCS, TT	Medium	S6-50-3	WIB-189, WIB-188, ***WIB-187***, ***WIB-186***	4	1.4-31

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-001	2	High	2-CVCS01A	High	TT	Medium	S6-246-3	WIB-315	1	1.4-31
2CVCS	CVCS-003	2	High	2-CVCS01A	High	TT	Medium	S6-246-3	WIB-311	1	1.4-31
2CVCS	CVCS-008B	2	High	2-CVCS04A	High	TT	Medium	S6-51-2	***WIB-789***	1	1.4-37
3SIS	SIS-053	2	High	2-CVCS13A	High	TT	Medium	S6-1991-1-1/2	WIB-511, WIB-510, WIB-509, WIB-508	4	1.4-60
3SIS	SIS-054	2	High	2-CVCS13B	High	TT	Medium	S6-1992-1-1/2	***WIB-564***, ***WIB-563***, WIB-562, ***WIB-561***	4	1.4-62
3SIS	SIS-055	2	High	2-CVCS13C	High	TT	Medium	S6-1993-1-1/2	***WIB-660***, ***WIB-659***, WIB-658, WIB-657, WIB-656, ***WIB-655***	6	1.4-64
3SIS	SIS-056	2	High	2-CVCS13D	High	TT	Medium	S6-1994-1-1/2	WIB-737, ***WIB-736***, WIB-735, WIB-733	4	1.4-66
4RHRS	RHRS-015	2	High	2-RHR06	High	TASCS	Medium	S1-118-8	WIC-67, WIC-68	2	2 2-26A
4RHRS	RHRS-018	2	High	2-RHR06	High	TASCS	Medium	S1-1669-8	WIC-178	1	2.2-14
4RHRS	RHRS-020	2	High	2-RHR06	High	TASCS	Medium	S1-985-12	WIC-126, ***WIC-127***, WIC-128	3	2.2-3
4RHRS	RHRS-022	2	High	2-RHR06	High	TASCS	Medium	S1-2212-8	WIC-174, ***WIC-175***	2	2.2-14
4RHRS	RHRS-024	2	High	2-RHR06	High	TASCS	Medium	S1-2458-8	WIC-122	1	2.2-3
4RHRS	RHRS-027	2	High	2-RHR06	High	TASCS	Medium	S1-119-8	RB-119-27, RB-119-28	2	2 2-27A
1RCS	RCS-002	4	Medium	2-RCS01	High	None	Low	*-9-27-1/2	***WIB-RC-1-12***, WIB-RC-1-13, WIB-RC-1-14, WIB-RC-1-15, ***WIB-RC-1-16(SE)****	5	1.4-1
1RCS	RCS-003	4	Medium	2-RCS01	High	None	Low	S6-253-10	***WIB-37***	1	1.4-1
1RCS	RCS-004	4	Medium	2-RCS01	High	None	Low	S6-1140-2	WIB-971	1	1.4-1
1RCS	RCS-005	4	Medium	2-RCS01	High	None	Low	S6-13-4	***WIB-55***	1	1.4-1
1RCS	RCS-007	4	Medium	2-RCS01A	High	None	Low	S6-1140-2	WIB-975A, WIB-975B, ***WIB-975C***, WIB-975D, WIB-975E, WIB-975F, WIB-975G, WIB-975H	8	1 4-55
1RCS	RCS-009	4	Medium	2-RCS02	High	None	Low	*-10-27-1/2	***WIB-RC-2-12***, WIB-RC-2-13, WIB-RC-2-14, ***WIB-RC-2-15***, ***WIB-RC-2-16(SE)****	5	1 4-2

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-010	4	Medium	2-RCS02	High	None	Low	S6-254-10	WIB-163	1	1 4-2
1RCS	RCS-011	4	Medium	2-RCS02	High	None	Low	S6-1146-2	WIB-991, WIB-992B, WIB-992C	3	1 4-2 1 4-56
1RCS	RCS-012	4	Medium	2-RCS02	High	None	Low	S6-14-4	WIB-104	1	1 4-2
1RCS	RCS-014	4	Medium	2-RCS03	High	None	Low	*-11-27-1/2	***WIB-RC-3-12***, WIB-RC-3-13, WIB-RC-3-14, WIB-RC-3-15, ***WIB-RC-3-16(SE)****	5	1 4-3
1RCS	RCS-015	4	Medium	2-RCS03	High	None	Low	S6-255-10	WIB-192	1	1 4-3
1RCS	RCS-016	4	Medium	2-RCS03	High	None	Low	S6-1152-2	WIB-1012, ***WIB-1013***, WIB-1013B	3	1 4-3 1 4-57
1RCS	RCS-019	4	Medium	2-RCS04	High	None	Low	*-12-27-1/2	***WIB-RC-4-12***, WIB-RC-4-13, WIB-RC-4-14, WIB-RC-4-15, ***WIB-RC-4-16(SE)****	5	1 4-4
1RCS	RCS-020	4	Medium	2-RCS04	High	None	Low	S6-256-10	WIB-289	1	1 4-4
1RCS	RCS-021	4	Medium	2-RCS04	High	None	Low	S6-1159-2	WIB-1026, WIB-1026A, WIB-1026C	3	1 4-4 1.4-58
1RCS	RCS-024	4	Medium	2-RCS05	High	None	Low	*-1-29	***WIB-RC-1-1(SE)****, WIB-RC-1-2, WIB-RC-1-3, WIB-RC-1-4, ***WIB-RC-1-5(SE)****	5	1.4-1
1RCS	RCS-025	4	Medium	2-RCS05	High	None	Low	S6-235-6	WIB-1	1	1.4-1
1RCS	RCS-026	4	Medium	2-RCS06	High	None	Low	*-2-29	***WIB-RC-2-1(SE)****, WIB-RC-2-2, WIB-RC-2-3, ***WIB-RC-2-4***, ***WIB-RC-2-5(SE)****	5	1 4-2
1RCS	RCS-028	4	Medium	2-RCS06	High	None	Low	S6-236-6	***WIB-105***	1	1 4-2
1RCS	RCS-029	4	Medium	2-RCS07	High	None	Low	*-3-29	***WIB-RC-3-1(SE)****, WIB-RC-3-2, WIB-RC-3-3, WIB-RC-3-4, ***WIB-RC-3-5(SE)****	5	1 4-3
1RCS	RCS-030	4	Medium	2-RCS07	High	None	Low	S6-237-6	WIB-232	1	1 4-3
1RCS	RCS-031	4	Medium	2-RCS08	High	None	Low	*-4-29	***WIB-RC-4-1(SE)****, WIB-RC-4-2, WIB-RC-4-3, WIB-RC-4-4, ***WIB-RC-4-5(SE)****	5	1 4-4
1RCS	RCS-032	4	Medium	2-RCS08	High	None	Low	S6-109-14	WIB-243	1	1.4-4

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-033	4	Medium	2-RCS09	High	None	Low	*-5-31	***WIB-RC-1-6(SE)****, WIB-RC-1-7, WIB-RC-1-8, WIB-RC-1-9, WIB-RC-1-10, ***WIB-RC-1-11***	6	1 4-1
1RCS	RCS-034	4	Medium	2-RCS09	High	None	Low	S6-1141-3	WIB-17, WIB-18A	2	1.4-1 1 4-27
1RCS	RCS-035	4	Medium	2-RCS09	High	None	Low	S6-958-2	WIB-500	1	1 4-1
1RCS	RCS-036	4	Medium	2-RCS10	High	None	Low	*-6-31	***WIB-RC-2-6(SE)****, WIB-RC-2-7, ***WIB-RC-2-8***, ***WIB-RC-2-9***, WIB-RC-2-10, ***WIB-RC-2-11***	6	1 4-2
1RCS	RCS-037	4	Medium	2-RCS10	High	None	Low	S6-1147-3	***WIB-123***, ***WIB-124***, WIB-124A	3	1.4-2 1 4-28
1RCS	RCS-038	4	Medium	2-RCS10	High	None	Low	S6-24-3	***WIB-142***	1	1 4-2
1RCS	RCS-039	4	Medium	2-RCS11	High	None	Low	*-7-31	***WIB-RC-3-6(SE)****, WIB-RC-3-7, WIB-RC-3-8, WIB-RC-3-9, WIB-RC-3-10, ***WIB-RC-3-11***	6	1 4-3
1RCS	RCS-040	4	Medium	2-RCS11	High	None	Low	S6-1153-3	WIB-204, WIB-205A	2	1 4-29 1 4-3
1RCS	RCS-041	4	Medium	2-RCS11	High	None	Low	S6-960-2	***WIB-649***	1	1 4-3
1RCS	RCS-042	4	Medium	2-RCS12	High	None	Low	*-8-31	***WIB-RC-4-6(SE)****, WIB-RC-4-7, WIB-RC-4-8, WIB-RC-4-9, WIB-RC-4-10, ***WIB-RC-4-11***	6	1 4-4
1RCS	RCS-043	4	Medium	2-RCS12	High	None	Low	S6-1158-3	WIB-268, ***WIB-269A***	2	1 4-30 1 4-4
1RCS	RCS-044	4	Medium	2-RCS12	High	None	Low	S6-961-2	***WIB-722***	1	1 4-4
1RCS	RCS-047	4	Medium	2-RCS14A	High	None	Low	S6-13-4	***WIB-56***, WIB-57, WIB-58, WIB-59, WIB-59A, ***WIB-59B***, WIB-60, WIB-61, ***WIB-62***, WIB-63, WIB-64, ***WIB-65C***, WIB-65D, WIB-65B	14	1 4-23

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-048	4	Medium	2-RCS14B	High	None	Low	S6-13-4 S6-15-4	WIB-66A, WIB-66B, ***WIB-67***, WIB-68, WIB-69, WIB-70, ***WIB-71***, WIB-72, WIB-73, WIB-74, ***WIB-75***, WIB-76, WIB-77, WIB-78, ***WIB-78A***, WIB-79 WIB-318, WIB-319, WIB-320, WIB-321, ***WIB-322***, ***WIB-323***, WIB-324, ***WIB-325***, WIB-326, WIB-327, WIB-328, WIB-329, WIB-330, WIB-331, ***WIB-332***, ***WIB-333***, WIB-334, WIB-335, ***WIB-336***, ***WIB-337***, WIB-338, WIB-339, WIB-340	39	1 4-23 1 4-24 1 4-26
1RCS	RCS-050	4	Medium	2-RCS14B	High	None	Low	S6-15-4	WIB-345, ***WIB-345(SE)****	2	1 4-26
1RCS	RCS-051	4	Medium	2-RCS14B	High	None	Low	S6-14-4	WIB-92B, ***WIB-92A***, WIB-91, WIB-90, WIB-89, ***WIB-88***, WIB-87, ***WIB-86***, WIB-85, WIB-84, WIB-83, ***WIB-82***, WIB-81, WIB-80	14	1 4-24 1 4-25
1RCS	RCS-052	4	Medium	2-RCS15A	High	None	Low	S6-14-4	WIB-103, WIB-102, WIB-101, WIB-100, WIB-99, WIB-98A, ***WIB-98***, WIB-97, WIB-96, ***WIB-95***, WIB-94, WIB-93B, WIB-93A	13	1 4-25
1RCS	RCS-053	4	Medium	2-RCS16	High	None	Low	S6-730-6 S6-4081-4 S6-1172-3	WIB-380(SE)*, WIB-380, WIB-381, WIB-382, WIB-383, WIB-384, WIB-385, WIB-386, ***WIB-387***, ***WIB-388***, WIB-389, WIB-390, ***WIB-391*** WIB-392, ***WIB-393***, WIB-394, WIB-395 WIB-396, WIB-397, ***WIB-398***, WIB-399	21	1 4-22 1 4-35
1RCS	RCS-054	4	Medium	2-RCS16	High	None	Low	S6-1171-3	WIB-405, WIB-406, WIB-407, ***WIB-408***	4	1 4-34
1RCS	RCS-055	4	Medium	2-RCS16	High	None	Low	S6-1195-3	WIB-412, WIB-413, WIB-414, ***WIB-415***, WIB-416, WIB-417	6	1 4-36
1RCS	RCS-056	4	Medium	2-RCS17A	High	None	Low	S6-1171-3	WIB-409, WIB-409A, WIB-410, ***WIB-410A***	4	1.4-34
1RCS	RCS-058	4	Medium	2-RCS17B	High	None	Low	S6-1172-3	WIB-400, WIB-401, WIB-402, ***WIB-403***	4	1 4-35

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
1RCS	RCS-060	4	Medium	2-RCS17C	High	None	Low	S6-1195-3	WIB-418, WIB-419, ***WIB-420***, WIB-421	4	1 4-36
1RCS	RCS-062	4	Medium	2-RCS18A	High	None	Low	S6-729-6	***WIB-369(SE)****, WIB-369, WIB-370, WIB-371, WIB-372, WIB-373, ***WIB-374***, WIB-375, WIB-377	9	1 4-19
1RCS	RCS-064	4	Medium	2-RCS18B	High	None	Low	S6-728-6	***WIB-423(SE)****, WIB-423, WIB-424, ***WIB-425***, WIB-426, WIB-427, WIB-428, ***WIB-429***, ***WIB-430***	9	1 4-20
1RCS	RCS-066	4	Medium	2-RCS18C	High	None	Low	S6-727-6	WIB-359(SE)*, WIB-359, ***WIB-360***, WIB-361, ***WIB-362***, WIB-363, WIB-364, WIB-365, WIB-366	9	1 4-21
1RCS	RCS-068	4	Medium	2-RCS19A	High	None	Low	S6-958-2	WIB-501, WIB-502, ***WIB-503***, WIB-504	4	1 4-44
1RCS	RCS-070	4	Medium	2-RCS20A	High	None	Low	S6-24-3	WIB-143, WIB-143A, WIB-143B, WIB-144, ***WIB-146***, WIB-147, WIB-148, WIB-150, WIB-151, WIB-152, ***WIB-152A***, WIB-153, WIB-154, WIB-155, WIB-156, ***WIB-158***, WIB-159, WIB-160, WIB-160A	19	1 4-33
1RCS	RCS-071	4	Medium	2-RCS20A	High	None	Low	S6-24-3(1) S6-959-2	***WIB-145*** ***WIB-1006***, WIB-1007, WIB-1007A, WIB-1008, ***WIB-1009***	6	1 4-33 1 4-45
1RCS	RCS-073	4	Medium	2-RCS21A	High	None	Low	S6-960-2	***WIB-650***, WIB-651	2	1 4-46
1RCS	RCS-075	4	Medium	2-RCS22A	High	None	Low	S6-961-2	WIB-723, WIB-724, WIB-725, ***WIB-94A***	4	1 4-47
1RCS	RCS-078	4	Medium	2-SI05B	High	None	Low	S6-109-14	WIB-244	1	1 4-10
1RCS	RCS-080	4	Medium	2-SI05B	High	None	Low	S6-109-14	WIB-251, WIB-251A, WIB-252, ***WIB-253***, WIB-254	5	1.4-10
2CVCS	CVCS-002	4	Medium	2-CVCS01A	High	None	Low	S6-246-3	***WIB-314***, WIB-313, ***WIB-312***	3	1 4-31
2CVCS	CVCS-006	4	Medium	2-CVCS02A	High	None	Low	S6-50-3	WIB-185, WIB-184	2	1 4-31
2CVCS	CVCS-015	4	Medium	2-CVCS06A	High	None	Low	S6-45-4	RB-45-1, ***WIC-45A***, RB-45-2, RB-45-3, RB-45-4, RB-45-5, RB-45-7, RB-45-8	8	2.2-38
2CVCS	CVCS-016	4	Medium	2-CVCS06A	High	None	Low	S6-45-4(1) S6-1466-2	RB-45-6 ***WIC-1466A***	2	2 2-38 2 2-63
2CVCS	CVCS-017	4	Medium	2-CVCS06B	High	None	Low	S6-46-4	WIC-46A, RB-46-1, RB-46-2, RB-46-3, RB-46-4, RB-46-5, RB-46-6, RB-46-8, RB-46-9	9	2 2-41

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-018	4	Medium	2-CVCS06B	High	None	Low	S6-46-4(1) S6-1468-2	RB-46-7 RB-1468-1	2	2.2-41 2 2-64
2CVCS	CVCS-064	4	Medium	2-RCS23A	High	None	Low	S6-54-2 S6-54-1-1/2	WIB-853, WIB-852, WIB-851, WIB-850, WIB-849, ***WIB-848***, WIB-847, WIB-846, WIB-845, ***WIB-844***, WIB-843 ***WIB-842***, WIB-841	13	1 4-40
2CVCS	CVCS-067	4	Medium	2-RCS24A	High	None	Low	S6-55-2 S6-5398-1-1/2	WIB-865, ***WIB-864***, WIB-863A, WIB-858U ***WIB-858T***, WIB-858S, WIB-858R, WIB-858Q, WIB-858P, ***WIB-858N***, WIB-858M, WIB-858L, WIB-858K, WIB-858J, ***WIB-858I***, WIB-858H, WIB-858G, WIB-858F, WIB-858E, WIB-858D, ***WIB-858C***, WIB-858B, WIB-858A, WIB-857, ***WIB-856***	25	1.4-41
2CVCS	CVCS-070	4	Medium	2-RCS25A	High	None	Low	S6-56-2 S6-56-1-1/2	WIB-878, WIB-877, WIB-876, ***WIB-875***, WIB-870X, ***WIB-870W***, WIB-870V, WIB-870U WIB-870T, ***WIB-870S***, WIB-870R, WIB-870Q, WIB-870P, WIB-870N, WIB-870M, WIB-870L, WIB-870K, ***WIB-870J***, WIB-870H, WIB-870G, WIB-870F, WIB-870E, WIB-870D, ***WIB-870C***, WIB-870B, ***WIB-870A***, WIB-869, WIB-868	28	1.4-42
2CVCS	CVCS-073	4	Medium	2-RCS26A	High	None	Low	S6-57-2 S6-57-1-1/2	WIB-893, WIB-892, ***WIB-891***, ***WIB-883R*** ***WIB-883Q***, WIB-883P, WIB-883N, WIB-883M, WIB-883L, ***WIB-883K***, WIB-883J, WIB-883H, WIB-883G, WIB-883F, WIB-883E, WIB-883D, WIB-883C, WIB-883B, WIB-883A, ***WIB-882***, ***WIB-881***	21	1.4-43
3SIS	SIS-001	4	Medium	2-ACC01A	High	None	Low	S6-253-10	WIB-40, ***WIB-39***, WIB-38	3	1 4-6
3SIS	SIS-002	4	Medium	2-ACC01B	High	None	Low	S6-254-10	WIB-166, WIB-165, ***WIB-164***	3	1.4-7
3SIS	SIS-003	4	Medium	2-ACC01C	High	None	Low	S6-255-10	***WIB-196***, WIB-195, WIB-194, WIB-193	4	1 4-8
3SIS	SIS-004	4	Medium	2-ACC01D	High	None	Low	S6-256-10	WIB-293, WIB-292, ***WIB-291***, WIB-290	4	1 4-9

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-027	4	Medium	2-CVCS05A	High	None	Low	S2-1988-8	RB-1988-1, RB-1988-2, RB-1988-3, RB-1988-4, RB-1988-5, RB-1988-6, RB-1988-7, WIC-1054, WIC-1055	9	2 2-28
3SIS	SIS-028	4	Medium	2-CVCS05A	High	None	Low	S2-1987-8	WIC-1052, RB-1987-1, RB-1987-2, RB 1987-3, RB-1987-4, ***WIC-1053***	6	2 2-28
3SIS	SIS-032	4	Medium	2-CVCS10	High	None	Low	S6-1975-4 S6-2032-6 S6-2033-4 S6-1978-4 S6-282-3 S6-1016-3	RB-1975-4, RB-1975-5, RB-1975-6 RB-2032-1, WIC-1033, ***WIC-1034***, RB-2032-3, RB-2032-4, RB-2032-5, WIC-319A WIC-2033A, RB-2033-1, RB-2033-2, RB-2033-3, RB-2033-4, RB-2033-5, RB-2033-6, RB-2033-7, RB-2033-8, RB-2033-9 WIC-1978A, RB-1978-1, RB-1978-2, RB-1978-3 WIC-282A, RB-282-1, RB-282-2, RB-282-3, RB-282-4, RB-282-5 WIC-1016A, RB-1016-1, RB-1016-2, RB-1016-3, RB-1016-4, RB-1016-5, RB-1016-6, RB-1016-7, RB-1016-8	39	2 2-15 2 2-47 2 2-48 2 2-49 2 2-51 2 2-53
3SIS	SIS-033	4	Medium	2-CVCS10	High	None	Low	S6-2032-6(1) S6-1974-4	RB-2032-2 WIC-1974A, RB-1974-5, RB-1974-6	4	2 2-15 2 2-46
3SIS	SIS-034	4	Medium	2-CVCS10	High	None	Low	S6-1979-4 S6-283-3	RB-1979-1, ***WIC-1979A***, RB-1979-2, RB-1979-3, RB-1979-4, RB-1979-5 RB-283-2, RB-283-1	8	2 2-50 2 2-52
3SIS	SIS-063	4	Medium	2-RHR06	High	None	Low	S6-508-8	WIC-72	1	2 2-30
3SIS	SIS-064	4	Medium	2-RHR06	High	None	Low	S6-509-8	RB-509-1	1	2 2-33
3SIS	SIS-073	4	Medium	2-RHR11A	High	None	Low	S6-235-6	WIB-5, WIB-4, WIB-3, WIB-2	4	1 4-11
3SIS	SIS-074	4	Medium	2-RHR11B	High	None	Low	S6-236-6	WIB-109, WIB-108, WIB-107, ***WIB-106***	4	1.4-12
3SIS	SIS-088	4	Medium	2-SI05A	High	None	Low	S6-237-6	WIB-236, WIB-235, ***WIB-234***, WIB-233	4	1.4-13
3SIS	SIS-089	4	Medium	2-SI05B	High	None	Low	S6-238-6	WIB-264, ***WIB-263***, WIB-262, WIB-261	4	1 4-14

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
4RHRS	RHRS-007	4	Medium	2-RHR04B	High	None	Low	S1-112-8	WIC-34, WIC-35, ***WIC-36***, WIC-37, WIC-38, WIC-39, WIC-40, ***WIC-41***, WIC-42, WIC-43, WIC-44, ***WIC-45***, WIC-46, WIC-47, WIC-48, ***WIC-49***, ***WIC-210***	17	2.2-8
4RHRS	RHRS-008	4	Medium	2-RHR04B	High	None	Low	S1-3551-14 S1-118-8	WIC-50, ***WIC-51*** ***WIC-52***, RB-118-1, ***WIC-52A***, WIC-52B, WIC-52C, WIC-52D, WIC-52E	9	2 2-2 2.2-26B
4RHRS	RHRS-010	4	Medium	2-RHR04B	High	None	Low	S1-1971-8	WIC-106, WIC-107, WIC-108, WIC-109, WIC-11, ***WIC-110***, WIC-112, WIC-113	8	2 2-2
4RHRS	RHRS-012	4	Medium	2-RHR05B	High	None	Low	S1-113-8(1) S1-113-8	WIC-1014 RB-113-1, RB-113-2, RB-113-3, RB-113-4, RB-113-5, RB-113-6, RB-113-7, RB-113-8, RB-113-9, RB-113-10, RB-113-11, RB-113-12, RB-113-13, RB-113-14, RB-113-15, RB-113-16	17	2 2-9
4RHRS	RHRS-013	4	Medium	2-RHR05B	High	None	Low	S1-119-8	RB-119-1, RB-119-2, RB-119-3	3	2 2-27B
4RHRS	RHRS-014	4	Medium	2-RHR06	High	None	Low	S1-118-8	WIC-52F, WIC-52G, WIC-52H, WIC-52J, WIC-52K, WIC-57A, RB-118-2, WIC-57B, WIC-57C, WIC-57D, WIC-57E, WIC-57F, WIC-57G, WIC-57H, WIC-57J, WIC-57K, WIC-57L, WIC-57M, WIC-57N	19	2 2-26A 2 2-26B
4RHRS	RHRS-016	4	Medium	2-RHR06	High	None	Low	S1-118-8	WIC-69, WIC-70, WIC-71	3	2 2-26A
4RHRS	RHRS-017	4	Medium	2-RHR06	High	None	Low	S1-1661-8	WIC-180D, WIC-180C, WIC-180B, WIC-180	4	2 2-10
4RHRS	RHRS-019	4	Medium	2-RHR06	High	None	Low	S1-1669-8 S1-985-12	WIC-177, WIC-176, ***WIC-173***, WIC-172, WIC-171, WIC-169B, WIC-169A, ***WIC-168*** WIC-167, WIC-166	10	2 2-14 2 2-3
4RHRS	RHRS-021	4	Medium	2-RHR06	High	None	Low	S1-985-12	WIC-129, ***WIC-130***, WIC-131, WIC-132, RB-985-1	5	2 2-3
4RHRS	RHRS-023	4	Medium	2-RHR06	High	None	Low	S1-279-8	WIC-59A, RB-279-1, RB-279-2, RB-279-3, WIC-117, WIC-118, WIC-119, WIC-120, ***WIC-121***	9	2 2-29
4RHRS	RHRS-025	4	Medium	2-RHR06	High	None	Low	S1-2458-8	***WIC-123***, WIC-125	2	2 2-3

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
4RHRS	RHRS-026	4	Medium	2-RHR06	High	None	Low	S1-119-8	RB-119-4, RB-119-5, RB-119-6, RB-119-7, RB-119-8, RB-119-9, RB-119-10, RB-119-11, RB-119-12, RB-119-13, RB-119-14, RB-119-15, RB-119-16, RB-119-17, RB-119-18, RB-119-19, RB-119-20, RB-119-21, RB-119-22, RB-119-23, RB-119-24, RB-119-25, RB-119-26	23	2 2-27A 2 2-27B
4RHRS	RHRS-028	4	Medium	2-RHR06	High	None	Low	S1-119-8	RB-119-29, RB-119-30, RB-119-31, RB-119-32, RB-119-33	5	2.2-27A
4RHRS	RHRS-029	4	Medium	2-RHR06	High	None	Low	S1-735-8	WIC-265, WIC-266, WIC-267, RB-735-1, ***WIC-269***, ***WIC-270***, WIC-271, WIC-272, WIC-273, WIC-274	10	2.2-11
4RHRS	RHRS-030	4	Medium	2-RHR06	High	None	Low	S1-280-8	RB-280-1, RB-280-2, RB-280-3, RB-280-4, RB-280-5, RB-280-6, RB-280-7	7	2 2-11
4RHRS	RHRS-033	4	Medium	2-RHR08	High	None	Low	S1-985-12	***WIC-134***, WIC-136, WIC-137, WIC-138, WIC-139, RB-985-2, RB-985-3, RB-985-4, WIC-143, WIC-144, WIC-145, WIC-146, RB-985-5, RB-985-6, RB-985-7, WIC-149A, ***WIC-149B***, RB-985-8, RB-985-9, RB-985-10, WIC-153, WIC-154, WIC-156, ***WIC-157***	24	2.2-4 2 2-5
6RWST	RWST-001	4	Medium	2-RWST01A	High	None	Low	S2-221-18	RB-221-1, RB-221-2	2	RWST-2-1
6RWST	RWST-002	4	Medium	2-RWST01B	High	None	Low	S2-261-12	RB-261-1, RB-261-2	2	RWST-2-2
6RWST	RWST-003	4	Medium	2-RWST02A-FHC	High	None	Low	S2-221-18	RB-221-3, RB-221-4, RB-221-5, RB-221-6, RB-221-7, RB-221-8, RB-221-9, RB-221-10, RB-221-11	9	RWST-2-1
6RWST	RWST-004	4	Medium	2-RWST02A-MDAFW	High	None	Low	S2-221-18	RB-221-15	1	RWST-2-1
6RWST	RWST-005	4	Medium	2-RWST02A-MDAFW	High	None	Low	S2-222-4	RB-222-1, RB-222-2, RB-222-3, RB-222-4, RB-222-5, RB-222-6, RB-222-7	7	RWST-2-1
6RWST	RWST-011	4	Medium	2-RWST02A-SFP	High	None	Low	S2-222-4	RB-222-8, RB-222-9, RB-222-10, RB-222-11, RB-222-12, RB-222-13, RB-222-14	7	RWST-2-1
6RWST	RWST-012	4	Medium	2-RWST02A-TDAFW	High	None	Low	S2-221-18	RB-221-12, RB-221-13, RB-221-14	3	RWST-2-1

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
6RWST	RWST-013	4	Medium	2-RWST02B-100ELV	High	None	Low	S2-261-12	RB-261-3, RB-261-4, RB-261-5, RB-261-6, RB-261-7, RB-261-8, RB-261-9, RB-261-10, RB-261-11, RB-261-12, RB-261-13, RB-261-14, RB-261-15, RB-261-16	14	RWST-2-2
7CCW	CCW-001	4	Medium	2-CCW01	High	None	Low	K17-1357-6	WIC-1357D, RB-1357-2, ***WIC-1357C***, RB-1357-1, WIC-1357B, WIC-1357A	6	2 2-36
7CCW	CCW-002	4	Medium	2-CCW02	High	None	Low	K17-1357-6	RB-1357-6, WIC-1357F, RB-1357-5, WIC-1357E, RB-1357-4, RB-1357-3	6	2 2-36
8FWS	FWS-006	5a (3)	Medium (High)	2-FW02A	Medium	TASCS, (FAC)	Medium (High)	K16-554-16	WICG 108-1, WICG 107-1, WICG 106-1, ***WICG 105-1***, WICG 104-1, ***WICG 103-1***, WICG 102-1	7	2 2-21
8FWS	FWS-009	5a (3)	Medium (High)	2-FW02B	Medium	TASCS, (FAC)	Medium (High)	K16-555-16	RB-555-9, RB-555-10, RB-555-11, RB-555-12, RB-555-13, WICG-94-2B, WICG-94-2A	7	2 2-22
8FWS	FWS-011	5a (3)	Medium (High)	2-FW02C	Medium	TASCS, (FAC)	Medium (High)	K16-557-16	RB-557-11, RB-557-12, RB-557-13, RB-557-14, RB-557-15, RB-557-16, RB-557-17	7	2 2-23
8FWS	FWS-013	5a (3)	Medium (High)	2-FW02D	Medium	TASCS, (FAC)	Medium (High)	K16-556-16	RB-556-12, RB-556-13, RB-556-14, RB-556-15, RB-556-16, RB-556-17, RB-556-18	7	2 2-24
2CVCS	CVCS-007	5a	Medium	2-CVCS02B	Medium	TASCS, TT	Medium	S6-50-3	WIB-191, WIB-190	2	1 4-31
2CVCS	CVCS-004	5a	Medium	2-CVCS01B	Medium	TT	Medium	S6-246-3	WIB-317, WIB-316	2	1.4-31
3SIS	SIS-009	5a	Medium	2-ACC02B	Medium	IGSCC	Medium	S6-254-10	WIB-168, WIB-167	2	1 4-7
3SIS	SIS-013	5a	Medium	2-ACC02C	Medium	IGSCC	Medium	S6-255-10	WIB-198, ***WIB-197***	2	1 4-8
3SIS	SIS-018	5a	Medium	2-ACC02D	Medium	IGSCC	Medium	S6-256-10	***WIB-295***, WIB-294	2	1 4-9
3SIS	SIS-024	5a	Medium	2-ACC03A	Medium	IGSCC	Medium	S6-253-10	WIB-42, WIB-41	2	1 4-6
3SIS	SIS-068	5a	Medium	2-RHR10A	Medium	IGSCC	Medium	S6-235-6	WIB-7, ***WIB-6***	2	1 4-11
3SIS	SIS-072	5a	Medium	2-RHR10B	Medium	IGSCC	Medium	S6-236-6	WIB-111, ***WIB-110***, WIB-109A	3	1 4-12
3SIS	SIS-059	5a	Medium	2-RHR04A	Medium	TASCS	Medium	S1-512-14	WIC-21, WIC-20	2	2 2-25

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-061	5a	Medium	2-RHR05A	Medium	TASCS	Medium	S1-513-14	RB-513-12, RB-513-13	2	2 2-6
8FWS	FWS-001	6a (3)	Low (High)	2-FW01A	Medium	None (FAC)	Low (High)	K16-554-16	RB-554-1, RB-554-2, RB-554-3, ***WICG 112-1***, RB-554-4	5	2 2-21
8FWS	FWS-002	6a (3)	Low (High)	2-FW01B	Medium	None (FAC)	Low (High)	K16-555-16	RB-555-1, RB-555-2, RB-555-3, RB-555-4, RB-555-5	5	2 2-22
8FWS	FWS-003	6a (3)	Low (High)	2-FW01C	Medium	None (FAC)	Low (High)	K16-557-16	RB-557-1, RB-557-2, RB-557-3, RB-557-4, RB-557-5, RB-557-6, RB-557-7	7	2 2-23
8FWS	FWS-004	6a (3)	Low (High)	2-FW01D	Medium	None (FAC)	Low (High)	K16-556-16	RB-556-1, RB-556-2, RB-556-3, RB-556-4, RB-556-5, RB-556-6, RB-556-7, RB-556-8	8	2.2-24
8FWS	FWS-005	6a (3)	Low (High)	2-FW02A	Medium	None (FAC)	Low (High)	K16-554-16	WICG 111-1, ***WICG 110-1***, WICG 109-1	3	2 2-21
8FWS	FWS-008	6a (3)	Low (High)	2-FW02B	Medium	None (FAC)	Low (High)	K16-555-16	RB-555-6, RB-555-7, RB-555-8	3	2 2-22
8FWS	FWS-010	6a (3)	Low (High)	2-FW02C	Medium	None (FAC)	Low (High)	K16-557-16	RB-557-8, RB-557-9, RB-557-10	3	2 2-23
8FWS	FWS-012	6a (3)	Low (High)	2-FW02D	Medium	None (FAC)	Low (High)	K16-556-16	RB-556-9, RB-556-10, RB-556-11	3	2 2-24
1RCS	RCS-001	6a	Low	2-CVCS03	Medium	None	Low	S6-24-3	***WIB-160B***, WIB-161, ***WIB-162***	3	1 4-33
2CVCS	CVCS-013	6a	Low	2-CVCS05B	Medium	None	Low	S2-1456-8 S2-43-6	RB-1456-1, ***WIC-1009***, RB-1456-3, WIC-1010, RB-1456-4 RB-43-1, RB-43-2, RB-43-3, RB-43-4, RB-43-5, RB-43-6, RB-43-7, RB-43-8, RB-43-9, RB-43-10, RB-43-11, RB-43-12, RB-43-13, RB-43-14, RB-43-17, RB-43-15, RB-43-16	22	2 2-7
2CVCS	CVCS-014	6a	Low	2-CVCS05B	Medium	None	Low	S2-1456-8(1) S2-42-6	RB-1456-2 ***WIC-1056***, WIC-1057, ***WIC-1058***, WIC-1059, WIC-1060, WIC-1061, ***WIC-1062***, WIC-1063, WIC-1064, RB-42-1, WIC-1065, WIC-1066, WIC-1067, WIC-1068, WIC-1069, ***WIC-1070***, RB-42-2	18	2.2-35 2 2-7

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-019	6a	Low	2-CVCS07	Medium	None	Low	S6-1468-2	RB-1468-2, RB-1468-3, RB-1468-4, RB-1468-5, RB-1468-6, RB-1468-7, ***WIC-1468B***, RB-1468-8, RB-1468-9, RB-1468-10, RB-1468-11, RB-1468-12, RB-1468-13, RB-1468-14, RB-1468-15	15	2 2-64
2CVCS	CVCS-020	6a	Low	2-CVCS07	Medium	None	Low	S6-1468-2(1) S6-1466-2 S6-1464-2	WIC-1468A RB-1466-1, RB-1466-2, RB-1466-4, RB-1466-5, WIC-1466B, RB-1466-6, RB-1466-7, RB-1466-8, RB-1466-9, RB-1466-10, RB-1466-11, RB-1466-12, RB-1466-13, RB-1466-14, RB-1466-15 RB-1464-1, RB-1464-2, RB-1464-3, RB-1464-4, RB-1464-6, RB-1464-7, RB-1464-8, RB-1464-9, RB-1464-10, RB-1464-11, RB-1464-12, RB-1464-13, RB-1464-14, RB-1464-15, RB-1464-16, RB-1464-17	32	2 2-63 2 2-64 2 2-65
2CVCS	CVCS-021	6a	Low	2-CVCS07	Medium	None	Low	S6-1466-2(1)	RB-1466-3	1	2 2-63
2CVCS	CVCS-022	6a	Low	2-CVCS07	Medium	None	Low	S6-1464-2(1)	RB-1464-5	1	2.2-65
2CVCS	CVCS-023	6a	Low	2-CVCS07	Medium	None	Low	S6-1464-2(2)	WIC-1464A	1	2 2-65
2CVCS	CVCS-024	6a	Low	2-CVCS08	Medium	None	Low	S6-46-4 S6-1454-6 S6-3678-3	RB-46-10, RB-46-11, RB-46-12, RB-46-13, RB-46-14, WIC-46B WIC-334, WIC-333, ***WIC-332***, WIC-331, WIC-121, RB-1454-1, WIC-328, WIC-327, WIC-326 RB-3678-1, RB-3678-2, RB-3678-3	18	2.2-15 2 2-40 2.2-41
2CVCS	CVCS-025	6a	Low	2-CVCS08	Medium	None	Low	S6-1475-3	RB-1475-1, RB-1475-2	2	2.2-42
2CVCS	CVCS-026	6a	Low	2-CVCS08	Medium	None	Low	S6-1973-6	WIC-325, WIC-324, WIC-323, ***WIC-322***, WIC-322A, WIC-321, WIC-320	7	2.2-15
2CVCS	CVCS-027	6a	Low	2-CVCS08	Medium	None	Low	S6-1973-6(1) S6-45-4	WIC-319 RB-45-9, RB-45-10, RB-45-11, RB-45-12, RB-45-13, RB-45-14, WIC-45B, RB-45-15	9	2.2-15 2 2-38
2CVCS	CVCS-028	6a	Low	2-CVCS08	Medium	None	Low	S6-1474-3	RB-1474-1, RB-1474-2	2	2 2-39

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-029	6a	Low	2-CVCS09	Medium	None	Low	S6-3678-3 S6-48-3	RB-3678-4, RB-3678-5, RB-3678-6, ***WIC-3678A***, RB-3678-7, RB-3678-8, RB-3678-9, RB-3678-10 RB-48-1, RB-48-2, RB-48-3, RB-48-4, RB-48-5, ***WIC-48A***, ***WIC-48B***, RB-48-6, RB-48-7, RB-48-8, RB-48-9, WIC-48C, RB-48-10, RB-48-11, RB-48-12, RB-48-13, RB-48-14, RB-48-15, RB-48-16, RB-48-17, RB-48-18, RB-48-19, RB-48-20, WIC-48D, RB-48-21, RB-48-22, RB-48-23, ***WIC-48E***, RB-48 24, RB-48-25, RB-48-26, RB-48-27, RB-48-28, RB-48-29, RB-48-30, RB-48-31, RB-48-32, RB-48-33, WIC-48F, RB-48-34, RB-48-35, RB-48-36, RB-48-37, RB-48-38, RB-48-39, RB-48-40, RB-48-41, RB-48-42, RB-48-43, RB-48-44, RB-48-45, RB-48-46, RB-48-47, RB-48-48, RB-48-49, RB-48-50	64	2 2-40 2 2-44
2CVCS	CVCS-030	6a	Low	2-CVCS09	Medium	None	Low	S6-1475-3	RB-1475-3, ***WIC-1475A***, RB-1475-4, RB-1475-5, RB-1475-6, RB-1475-7	6	2 2-42
2CVCS	CVCS-031	6a	Low	2-CVCS09	Medium	None	Low	S6-47-3	RB-47-1, RB-47-2, RB-47-3, WIC-47A, RB-47-4, RB-47-5, RB-47-6, RB-47-7, RB-47-8	9	2.2-43
2CVCS	CVCS-032	6a	Low	2-CVCS09	Medium	None	Low	S6-1312-3	RB-1312-1, RB-1312-2, RB-1312-3, RB-1312-4	4	2.2-45
2CVCS	CVCS-033	6a	Low	2-CVCS09	Medium	None	Low	S6-1474-3 S6-53-3	RB-1474-3, RB-1474-4, RB-1474-5, RB-1474-6, WIC-1474, RB-1474-7, RB 1474-8, RB-1474-9 RB-53-1, RB-53-2, RB-53-3, RB-53-4, RB-53-5, RB-53-6, WIC-53A, RB-53-7, RB-53-8, RB-53-9, RB-53-10, RB-53-11, RB-53-12, RB-53-13	22	2 2-39 2 2-55

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-034	6a	Low	2-CVCS09	Medium	None	Low	S6-52-3 S6-2044-3 S6-3673-2	RB-52-1, WIC-52A, RB-52-2, RB-52-3, RB-52-4, RB-52-5, RB-52-6, WIC-52B, RB-52-7, RB-52-8, RB-52-9, RB-52-10, RB-52-11, RB-52-12, RB-52-13 RB-2044-1, RB-2044-2, RB-2044-3, RB-2044-4, WIC-2044A, RB-2044-5, RB-2044-6 WIC-3673A, RB-3673-1, ***WIC-3673B***, RB-3673-3, RB-3673-4, RB-3673-5, RB-3673-6, RB-3673-10, RB-3673-11, RB-3673-12, RB-3673-13, RB-3673-14, RB-3673-15, RB-3673-16	36	2.2-54 2.2-59 2.2-66
2CVCS	CVCS-035	6a	Low	2-CVCS09	Medium	None	Low	S6-1477-2 S6-2046-3 S6-746-3	RB-1477-1, RB-1477-2, RB-1477-3, RB-1477-4, RB-1477-5, RB-1477-6, RB-1477-7, RB-1477-11, RB-1477-12, RB-1477-13, RB-1477-14, RB-1477-16, WIC-1477A, ***WIC-1477B*** RB-2046-1, RB-2046-2, RB-2046-3, RB-2046-4 RB-746-1, RB-746-2, RB-746-3, RB-746-4, RB-746-5, ***WIC-746A***, RB-746-6, RB-746-7, RB-746-8, RB-746-9, RB-746-10, RB-746-11, RB-746-12, RB-746-13, RB-746-14, RB-746-15, RB-746-16, WIC-746B, RB-746-17, RB-746-18, RB-746-19, RB-746-20, RB-746-21, RB-746-22, RB-746-23, WIC-746C, RB-746-24	45	2 2-60 2 2-61 2 2-68
2CVCS	CVCS-036	6a	Low	2-CVCS09	Medium	None	Low	S6-3673-2(1)	RB-3673-2	1	2.2-66
2CVCS	CVCS-037	6a	Low	2-CVCS09	Medium	None	Low	S6-3673-2(2)	RB-3673-7, RB-3673-8, RB-3673-9	3	2.2-66
2CVCS	CVCS-038	6a	Low	2-CVCS09	Medium	None	Low	S6-1477-2(1)	RB-1477-8, RB-1477-9, RB-1477-10	3	2.2-68
2CVCS	CVCS-039	6a	Low	2-CVCS09	Medium	None	Low	S6-1477-2(2)	RB-1477-15	1	2 2-68

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-040	6a	Low	2-CVCS09	Medium	None	Low	S6-2047-3 S6-3674-2	RB-2047-7, RB-2047-6, RB-2047-5, RB-2047-4, RB-2047-3, RB-2047-2, RB-2047-1, ***WIC-2047A*** WIC-3674A, RB-3674-1, RB-3674-2, RB-3674-4, RB-3674-5, RB-3674-6, RB-3674-7, RB-3674-11, RB-3674-12, RB-3674-13, RB-3674-14, RB-3674-15, RB-3674-16, RB-3674-17	22	2 2-56 2.2-67
2CVCS	CVCS-041	6a	Low	2-CVCS09	Medium	None	Low	S6-1478-2 S6-2048-3	RB-1478-1, RB-1478-2, RB-1478-3, RB-1478-4, RB-1478-5, RB-1478-6, RB-1478-7, RB-1478-11, RB-1478-12, WIC-1478A, RB-1478-13, RB-1478-15, WIC-1478B, RB-1478-16 WIC-2048A, RB-2048-1, RB-2048-2, RB-2048-3, RB-2048-4, RB-2048-5, RB-2048-6, RB-2048-7	22	2.2-58 2.2-69
2CVCS	CVCS-042	6a	Low	2-CVCS09	Medium	None	Low	S6-1455-3	RB-1455-1, RB-1455-2, RB-1455-3	3	2 2-57
2CVCS	CVCS-043	6a	Low	2-CVCS09	Medium	None	Low	S6-3674-2(1)	RB-3674-3	1	2 2-67
2CVCS	CVCS-044	6a	Low	2-CVCS09	Medium	None	Low	S6-3674-2(2)	RB-3674-8, RB-3674-9, RB-3674-10	3	2 2-67
2CVCS	CVCS-045	6a	Low	2-CVCS09	Medium	None	Low	S6-1478-2(1)	RB-1478-8, RB-1478-9, RB-1478-10	3	2 2-69
2CVCS	CVCS-046	6a	Low	2-CVCS09	Medium	None	Low	S6-1478-2(2)	RB-1478-14	1	2 2-69
2CVCS	CVCS-047	6a	Low	2-CVCS09	Medium	None	Low	S6-1683-3	WIC-1683A, RB-1683-5, RB-1683-4, RB-1683-1, RB-1683-2, RB-1683-3	6	2.2-62

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-048	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2	RB-54-1, WIC-54A, RB-54-2, RB-54-3, RB-54-4, RB-54-5, RB-54-6, RB-54-7, RB-54-8, RB-54-9, RB-54-10, RB-54-11, ***WIC-54B***, RB-54-12, RB-54-13, RB-54-15, RB-54-16, RB-54-17, RB-54-18, RB-54-19, WIC-54C, RB-54-20, RB-54-21, RB-54-23, RB-54-24, RB-54-25, RB-54-26, RB-54-27, RB-54-28, RB-54-29, RB-54-30, RB-54-31, RB-54-32, RB-54-33, WIC-54D, RB-54-34, ***WIC-54E***, WIC-54F, RB-54-35, RB-54-37, RB-54-38, RB-54-39, RB-54-40, RB-54-41, RB-54-42, RB-54-43, RB-54-44, RB-54-45, RB-54-46, RB-54-47, RB-54-48, RB-54-49, RB-54-50, RB-54-51, RB-54-52, RB-54-53, RB-54-54, RB-54-55, RB-54-56, RB-54-57, RB-54-58, RB-54-59, RB-54-60, RB-54-61, RB-54-62, RB-54-63, RB-54-64, RB-54-65, RB-54-66, RB-54-67, RB-54-68, RB-54-69, RB-54-70, RB-54-71, RB-54-72, RB-54-74, RB-54-75, RB-54-76, RB-54-77, RB-54-78, RB-54-79, RB-54-80, ***WIC-54H***, WIC-54J, RB-54-81, RB-54-82, RB-54-83, RB-54-84, RB-54-85, RB-54-86, RB-54-87, RB-54-88, RB-54-	97	2 2-70 2.2-74 2 2-75 2 2-76
2CVCS	CVCS-049	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2(1)	RB-54-14	1	2 2-70
2CVCS	CVCS-050	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2(2)	RB-54-22	1	2.2-70
2CVCS	CVCS-051	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2(3)	RB-54-36	1	2 2-74
2CVCS	CVCS-052	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2(4)	WIC-54G	1	2 2-74
2CVCS	CVCS-053	6a	Low	2-CVCS09	Medium	None	Low	S6-54-2(5)	RB-54-73	1	2 2-75

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-054	6a	Low	2-CVCS09	Medium	None	Low	S6-55-2	RB-55-1, RB-55-2, RB-55-3, RB-55-4, RB-55-5, RB-55-6, WIC-55A, RB-55-7, RB-55-8, RB-55-9, RB-55-10, RB-55-12, RB-55-13, RB-55-14, ***WIC-55B***, RB-55-15, RB-55-16, WIC-55C, RB-55-17, RB-55-19, RB-55-20, RB-55-21, RB-55-22, RB-55-23, RB-55-24, RB-55-25, RB-55-26, RB-55-27, RB-55-28, RB-55-29, WIC-55D, RB-55-30, RB-55-31, RB-55-32, RB-55-33, ***WIC-55E***, RB-55-35, RB-55-36, RB-55-37, RB-55-38, RB-55-39, WIC-55F, RB-55-40, RB-55-41, WIC-55G, RB-55-42, RB-55-43, RB-55-44, RB-55-45, RB-55-46, RB-55-47, RB-55-48, RB-55-49, RB-55-50, RB-55-51, RB-55-52, RB-55-53, RB-55-54, RB-55-55, RB-55-56, RB-55-57, RB-55-58, RB-55-59, RB-55-60, RB-55-61, RB-55-62, RB-55-63	67	2 2-71 2 2-77 2 2-78
2CVCS	CVCS-055	6a	Low	2-CVCS09	Medium	None	Low	S6-55-2(1)	RB-55-11	1	2 2-78
2CVCS	CVCS-056	6a	Low	2-CVCS09	Medium	None	Low	S6-55-2(2)	RB-55-18	1	2 2-78
2CVCS	CVCS-057	6a	Low	2-CVCS09	Medium	None	Low	S6-55-2(3)	RB-55-34	1	2 2-77
2CVCS	CVCS-058	6a	Low	2-CVCS09	Medium	None	Low	S6-56-2	RB-56-1, RB-56-2, RB-56-3, RB-56-4, RB-56-5, RB-56-6, ***WIC-56A***, RB-56-7, RB-56-8, RB-56-9, WIC-56B, RB-56-11, RB-56-12, RB-56-13, RB-56-14, RB-56-15, RB-56-16, WIC-56C, RB-56-17, RB-56-19, RB-56-20, RB-56-21, RB-56-22, RB-56-23, RB-56-24, ***WIC-56D***, RB-56-25, RB-56-26, RB-56-27, RB-56-28, RB-56-29, RB-56-30, RB-56-31, RB-56-32, RB-56-33, RB-56-34, RB-56-35	37	2 2-72 2 2-79 2 2-80
2CVCS	CVCS-059	6a	Low	2-CVCS09	Medium	None	Low	S6-56-2(1)	RB-56-10	1	2 2-79
2CVCS	CVCS-060	6a	Low	2-CVCS09	Medium	None	Low	S6-56-2(2)	RB-56-18	1	2 2-79

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-061	6a	Low	2-CVCS09	Medium	None	Low	S6-57-2	WIC-57A, RB-57-1, RB-57-2, RB-57-3, RB-57-4, RB-57-5, RB-57-6, RB-57-7, RB-57-8, RB-57-9, RB-57-10, WIC-57B, RB-57-11, RB-57-12, RB-57-13, ***WIC-57C***, RB-57-14, RB-57-16, RB-57-17, RB-57-18, RB-57-19, RB-57-20, WIC-57D, RB-57-21, RB-57-22, RB-57-24, RB-57-25, RB-57-26, RB-57-27, RB-57-28, RB-57-29, RB-57-30, RB-57-31, RB-57-32, RB-57-33, RB-57-34, RB-57-35, RB-57-36, RB-57-37, RB-57-38, RB-57-39, RB-57-40, RB-57-41, RB-57-42, RB-57-43, RB-57-44, RB-57-45, RB-57-46, RB-57-47, RB-57-48, RB-57-49, RB-57-50, WIC-57E, WIC-57F, RB-57-51, RB-57-52, WIC-57G, WIC-57H, RB-57-53, RB-57-54, RB-57-55, RB-57-56, RB-57-57, RB-57-58, RB-57-59, RB-57-60, RB-57-61, RB-57-62, RB-57-63, RB-57-64, RB-57-65	71	2 2-73 2 2-81 2 2-82
2CVCS	CVCS-062	6a	Low	2-CVCS09	Medium	None	Low	S6-57-2(1)	RB-57-15	1	2 2-81
2CVCS	CVCS-063	6a	Low	2-CVCS09	Medium	None	Low	S6-57-2(2)	RB-57-23	1	2 2-73
2CVCS	CVCS-066	6a	Low	2-RCS23B	Medium	None	Low	S6-54-2	***WIB-855***, WIB-854	2	1.4-40
2CVCS	CVCS-069	6a	Low	2-RCS24B	Medium	None	Low	S6-55-2	WIB-867, WIB-866	2	1 4-41
2CVCS	CVCS-072	6a	Low	2-RCS25B	Medium	None	Low	S6-56-2	***WIB-880***, WIB-879	2	1.4-42
2CVCS	CVCS-075	6a	Low	2-RCS26B	Medium	None	Low	S6-57-2	WIB-895, WIB-894	2	1.4-43
3SIS	SIS-005	6a	Low	2-ACC02A	Medium	None	Low	S6-3855-2	WIB-934, WIB-933, ***WIB-931***, WIB-930	4	1 4-15
3SIS	SIS-006	6a	Low	2-ACC02A	Medium	None	Low	S6-3855-2(1)	WIB-932	1	1 4-15
3SIS	SIS-007	6a	Low	2-ACC02B	Medium	None	Low	S6-3845-6	WIB-182, WIB-935, WIB-181, WIB-180, ***WIB-179***, WIB-178, ***WIB-177***, WIB-176, ***WIB-175***, WIB-174, WIB-173	11	1 4-16

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-008	6a	Low	2-ACC02B	Medium	None	Low	S6-254-10	***WIB-172***, WIB-171, WIB-170, WIB-170A, WIB-169	5	1.4-7
3SIS	SIS-010	6a	Low	2-ACC02B	Medium	None	Low	S6-3856-2	WIB-940, ***WIB-939***, WIB-937, WIB-936	4	1.4-16
3SIS	SIS-011	6a	Low	2-ACC02B	Medium	None	Low	S6-3856-2(1)	WIB-938	1	1.4-16
3SIS	SIS-012	6a	Low	2-ACC02C	Medium	None	Low	S6-3846-6	***WIB-203***, WIB-202, WIB-941, WIB-201B, WIB-201C, ***WIB-201A***, WIB-201, WIB-200, WIB-199	9	1.4-17
3SIS	SIS-014	6a	Low	2-ACC02C	Medium	None	Low	S6-3857-2	***WIB-950***, WIB-949, WIB-947, ***WIB-946***, WIB-945, WIB-944, ***WIB-943***, WIB-942D, WIB-942C, WIB-942B, WIB-942A, WIB-942	12	1.4-17
3SIS	SIS-015	6a	Low	2-ACC02C	Medium	None	Low	S6-3857-2(1)	WIB-948	1	1 4-17
3SIS	SIS-016	6a	Low	2-ACC02D	Medium	None	Low	S6-3847-6	WIB-309, WIB-308, WIB-307, WIB-306, WIB-305, WIB-304, ***WIB-303***, WIB-302A, ***WIB-302B***, WIB-302, WIB-301, ***WIB-300***	12	1.4-18
3SIS	SIS-017	6a	Low	2-ACC02D	Medium	None	Low	S6-256-10	WIB-299, ***WIB-298***, WIB-297, WIB-296	4	1 4-9
3SIS	SIS-019	6a	Low	2-ACC02D	Medium	None	Low	S6-3858-2	WIB-951, WIB-952, ***WIB-952A***, WIB-952B, WIB-952C, WIB-952D, WIB-953, WIB-953A, WIB-953B, ***WIB-953C***, WIB-953D, WIB-953E, WIB-954, ***WIB-956***, WIB-957	15	1.4-50
3SIS	SIS-020	6a	Low	2-ACC02D	Medium	None	Low	S6-3858-2(1)	***WIB-955***	1	1.4-50
3SIS	SIS-021	6a	Low	2-ACC03A	Medium	None	Low	S6-508-8 S6-3845-6	WIC-73, WIC-74, WIC-75, WIC-77, RB-508-1, WIC-79, WIC-80, WIC-81, WIC-82, WIC-83, WIC-84, WIC-85, RB-508-2, RB-508-3, RB-508-4, WIC-88, RB-508-5, RB-508-6, RB-508-7, ***WIC-90***, WIC-91 WIC-92, RB-3845-1, WIC-94, WIC-95, WIC-96, WIC-97	27	2.2-30 2 2-31 2 2-32 2.2-34
3SIS	SIS-022	6a	Low	2-ACC03A	Medium	None	Low	S6-508-8(1) S6-3844-6	WIC-98 WIC-99, RB-3844-1, WIC-100A, RB-3844-2, WIC-102, WIC-103, WIC-104, ***WIC-105***, WIB-54, WIB-929, ***WIB-53***, WIB-52, WIB-51, WIB-50, WIB-49, WIB-48, ***WIB-47***	18	1 4-15 2 2-32 2 2-34

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-023	6a	Low	2-ACC03A	Medium	None	Low	S6-253-10	WIB-46, WIB-45, WIB-44, WIB-43A, ***WIB-43***	5	1 4-6
3SIS	SIS-025	6a	Low	2-ACC03B	Medium	None	Low	S6-509-8 S6-3847-6	RB-509-2, RB-509-3, RB-509-4, RB-509-5, RB-509-6, RB-509-7, RB-509-8, RB-509-9, RB-509-10, RB-509-11, RB-509-12, RB-509-13 RB-3847-1, RB-3847-2, RB-3847-3, RB-3847-4	16	2 2-33
3SIS	SIS-026	6a	Low	2-ACC03B	Medium	None	Low	S6-3846-6	RB-3846-1	1	2.2-33
3SIS	SIS-029	6a	Low	2-CVCS05B	Medium	None	Low	S2-734-8	WIC-1000, RB-734-1, ***WIC-1001***, WIC-1002, WIC-1003, WIC-1004	6	2 2-2
3SIS	SIS-030	6a	Low	2-CVCS05B	Medium	None	Low	S2-734-8(1) S2-4296-6	RB-734-2 RB-4296-1, RB-4296-2, RB-4296-3, RB-4296-4, WIC-1005, ***WIC-1006***, RB-4296-5, RB-4296-6, WIC-1007, WIC-1008	11	2 2-2
3SIS	SIS-031	6a	Low	2-CVCS08	Medium	None	Low	S6-1975-4 S6-1974-4	RB-1975-1, RB-1975-2, ***WIC-1975A***, RB-1975-3 RB-1974-1, RB-1974-2, RB-1974-3, RB-1974-4	8	2.2-46 2.2-47
3SIS	SIS-035	6a	Low	2-CVCS11	Medium	None	Low	S6-1016-3	RB-1016-9, RB-1016-10, WIB-357, ***WIB-356***, WIB-355, WIB-354	6	1 4-32 2 2-53
3SIS	SIS-036	6a	Low	2-CVCS11	Medium	None	Low	S6-1995-3	***WIB-98Q***, WIB-98P, WIB-98K, WIB-98J, WIB-350, WIB-349, WIB-348, WIB-98H, WIB-98G, WIB-98C, WIB-98B	11	1.4-32
3SIS	SIS-037	6a	Low	2-CVCS11	Medium	None	Low	S6-1995-3(1)	***WIB-98L***, WIB-98M	2	1.4-32
3SIS	SIS-038	6a	Low	2-CVCS11	Medium	None	Low	S6-1995-3(2)	WIB-98D, WIB-98E	2	1 4-32
3SIS	SIS-057	6a	Low	2-RHR02	Medium	None	Low	S1-223-12	WIC-254, WIC-253A, WIC-253	3	2 2-6
3SIS	SIS-058A	6a	Low	2-RHR04A	Medium	None	Low	S1-512-14	RB-512-2, RB-512-3, RB-512-4, WIC-24, WIC-23, WIC-22	6	2 2-25
3SIS	SIS-060A	6a	Low	2-RHR05A	Medium	None	Low	S1-513-14	RB-513-6, RB-513-7, RB-513-8, RB-513-9, RB-513-10, RB-513-11	6	2 2-6
3SIS	SIS-065	6a	Low	2-RHR10A	Medium	None	Low	S6-3863-2	***WIB-918***, WIB-917, WIB-915, WIB-914	4	1.4-11
3SIS	SIS-066	6a	Low	2-RHR10A	Medium	None	Low	S6-3863-2(1)	WIB-916	1	1 4-11

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-067	6a	Low	2-RHR10A	Medium	None	Low	S6-235-6	***WIB-11***, WIB-10, ***WIB-9***, WIB-8	4	1.4-11
3SIS	SIS-069	6a	Low	2-RHR10B	Medium	None	Low	S6-3864-2	WIB-928, ***WIB-927***, WIB-923, WIB-922, ***WIB-921***, WIB-920	6	1.4-12
3SIS	SIS-070	6a	Low	2-RHR10B	Medium	None	Low	S6-3864-2(1)	WIB-926	1	1.4-12
3SIS	SIS-071	6a	Low	2-RHR10B	Medium	None	Low	S6-236-6	WIB-116, WIB-115, WIB-114, ***WIB-113***, WIB-112	5	1.4-12
3SIS	SIS-075	6a	Low	2-SI02	Medium	None	Low	S2-1986-8 S2-1983-6	WIC-1021, RB-1986-1, RB-1986-2, ***WIC-1022***, RB-1986-3, WIC-1023, WIC-1024, RB-1986-4 RB-1983-1, RB-1983-2, RB-1983-3, RB-1983-4, RB-1983-5, RB-1983-6, RB-1983-7, RB-1983-8, RB-1983-9	17	2.2-12 2.2-13
3SIS	SIS-076	6a	Low	2-SI02	Medium	None	Low	S2-1986-8(1) S2-1982-6	RB-1986-5 RB-1982-1, WIC-1041, RB-1982-2, RB-1982-3, ***WIC-1042***, RB-1982-4, RB-1982-5	8	2.2-13 2.2-16
3SIS	SIS-077	6a	Low	2-SI03A	Medium	None	Low	S2-1982-6	WIC-1043, WIC-1044, RB-1982-6, RB-1982-7, RB-1982-8, WIC-1045, RB-1982-9	7	2.2-16
3SIS	SIS-078	6a	Low	2-SI03A	Medium	None	Low	S2-5848-6	WIC-1046, WIC-1047, RB-5848-1, RB-5848-2, RB-5848-3, WIC-1048, RB-5848-4, ***WIC-1049***, RB-5848-5	9	2.2-16
3SIS	SIS-079	6a	Low	2-SI03B	Medium	None	Low	S2-1983-6	RB-1983-10, RB-1983-11, RB-1983-13, RB-1983-14, RB-1983-15, RB-1983-16, RB-1983-17	7	2.2-12
3SIS	SIS-080	6a	Low	2-SI03B	Medium	None	Low	S2-1984-8 S2-1983-6(1)	WIC-1015, WIC-1016, ***WIC-1017***, RB-1984-1, WIC-1018, ***WIC-1019***, RB-1984-2, RB-1984-3, RB-1984-4, WIC-1020, RB-1984-5, RB-1984-6, RB-1984-7, RB-1984-8 RB-1983-12	15	2.2-12
4RHRS	RHRS-001	6a	Low	2-RHR02	Medium	None	Low	S1-927-14 S1-110-14	RB-927-1, WIC-5, ***WIC-6***, WIC-7 ***WIC-8***, WIC-9, WIC-10, WIC-11, WIC-12, ***WIC-12A***, WIC-13	11	2 2-1 2.2-25
4RHRS	RHRS-002	6a	Low	2-RHR02	Medium	None	Low	S1-111-14	RB-111-1, RB-111-2, RB-111-3, RB-111-4, RB-111-6, RB-111-7, RB-111-8	7	2 2-6
4RHRS	RHRS-003	6a	Low	2-RHR02	Medium	None	Low	S1-111-14(1)	RB-111-5	1	2.2-6

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
4RHRS	RHRS-004	6a	Low	2-RHR03A	Medium	None	Low	S1-927-14	WIC-1, WIC-2, ***WIC-3***, WIC-4	4	2 2-1
4RHRS	RHRS-005	6a	Low	2-RHR03B	Medium	None	Low	S6-1665-14	WIB-255, WIB-256, WIB-257, ***WIB-258***, WIB-259, ***WIB-259A***, WIB-260	7	1 4-10
4RHRS	RHRS-006	6a	Low	2-RHR04A	Medium	None	Low	S1-110-14	WIC-14, WIC-15, WIC-16, WIC-17, ***WIC-18***, RB-110-1, WIC-19, WIC-28, WIC-30, ***WIC-31***, WIC-32, WIC-33	12	2 2-25
4RHRS	RHRS-011	6a	Low	2-RHR05A	Medium	None	Low	S1-111-14	RB-111-9, RB-111-10, RB-111-11, RB-111-12, RB-111-13, RB-111-14, RB-111-15, RB-111-16, RB-111-17, RB-111-18, RB-111-19, RB-111-20	12	2 2-6
4RHRS	RHRS-031	6a	Low	2-RHR07	Medium	None	Low	S1-1663-8	WIC-209, WIC-208, WIC-207, WIC-206, WIC-205, WIC-204, WIC-203, WIC-202, WIC-201, WIC-200, WIC-199, ***WIC-198***, WIC-197, ***WIC-196***, WIC-1011, WIC-1012, ***WIC-1013***	17	2 2-8 2 2-9
4RHRS	RHRS-032	6a	Low	2-RHR07	Medium	None	Low	S1-1661-8	WIC-195, ***WIC-194***, WIC-193, WIC-192, WIC-191, WIC-190, WIC-189, ***WIC-188***, WIC-187, ***WIC-186***, WIC-185, WIC-184, WIC-180E	13	2 2-10
4RHRS	RHRS-034	6a	Low	2-RHR09	Medium	None	Low	S6-120-12 S6-2576-8	WIC-158, RB-120-1 RB-2576-1, RB-2576-2, RB-2576-3, RB-2576-4	6	2 2-5
4RHRS	RHRS-035	6a	Low	2-RHR09	Medium	None	Low	S6-2575-8	WIC-159, WIC-160	2	2.2-5
4RHRS	RHRS-036	6a	Low	2-RHR10A	Medium	None	Low	S6-2575-8	WIB-16, ***WIB-913, WIB-15***, WIB-14, WIB-13, WIB-12	6	1 4-11
4RHRS	RHRS-037	6a	Low	2-RHR10B	Medium	None	Low	S6-2576-8	WIB-122, ***WIB-919***, WIB-121, ***WIB-120***, WIB-119, WIB-118, ***WIB-117***	7	1.4-12

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
5CSS	CSS-001	6a	Low	2-CS01	Medium	None	Low	S2-264-8	RB-264-1, RB-264-2, RB-264-3, RB-264-4, RB-264-5, RB-264-6, ***WIC-264A***, RB-264-7, RB-264-8, RB-264-9, RB-264-10, RB-264-11, RB-264-12, RB-264-13, RB-264-14, WIC-264C, RB-264-15, RB-264-16, RB-264-17	19	-
5CSS	CSS-002	6a	Low	2-CS02	Medium	None	Low	S2-265-8	RB-265-1, RB-265-2, RB-265-3, RB-265-4, RB-265-5, RB-265-6, RB-265-7, RB-265-8, RB-265-9, RB-265-10, RB-265-11, RB-265-12, RB-265-13, RB-265-14, ***RB-265-15***, RB-265-16, RB-265-17, RB-265-18, RB-265-19, RB-265-20, RB-265-21	21	-
5CSS	CSS-003	6a	Low	2-CS03A	Medium	None	Low	S2-264-8	RB-264-18, RB-264-19	2	-
5CSS	CSS-004	6a	Low	2-CS03B	Medium	None	Low	S2-264-8	RB-264-20, RB-264-21, RB-264-22, RB-264-23, RB-264-24, RB-264-25, ***WIC-264B***, RB-264-26, RB-264-27, RB-264-28, RB-264-29, RB-264-30	12	-
5CSS	CSS-005	6a	Low	2-CS04A	Medium	None	Low	S2-265-8	RB-265-22, RB-265-23	2	-
5CSS	CSS-006	6a	Low	2-CS04B	Medium	None	Low	S2-265-8	RB-265-24, RB-265-25, RB-265-26, RB-265-27, RB-265-28, RB-265-29, RB-265-30, RB-265-31, RB-265-32, RB-265-33, RB-265-34, RB-265-35, RB-265-36, RB-265-37, RB-265-38, RB-265-39	16	-
6RWST	RWST-006	6a	Low	2-RWST02A-PEN	Medium	None	Low	S2-221-18	RB-221-16, RB-221-17, RB-221-18, RB-221-19, RB-221-20, RB-221-21, RB-221-22, RB-221-23, RB-221-24, RB-221-25	10	-
6RWST	RWST-007	6a	Low	2-RWST02A-PEN	Medium	None	Low	S1-223-12	RB-223-1, RB-223-2, RB-223-3, RB-223-4	4	-
6RWST	RWST-008	6a	Low	2-RWST02A-PEN	Medium	None	Low	S2-1986-8	RB-1986-1a, RB-1986-2a, RB-1986-3a	3	-
6RWST	RWST-009	6a	Low	2-RWST02A-PEN	Medium	None	Low	S2-224-8	RB-224-1, RB-224-2, RB-224-3, RB-224-4, RB-224-5, RB-224-6, RB-224-7, RB-224-8, RB-224-9	9	-

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	Segment	Category	Rank	ID	Rank	DMs	Rank				
6RWST	RWST-010	6a	Low	2-RWST02A-PEN	Medium	None	Low	S2-1988-8	RB-1988-1A, RB-1988-2A, RB-1988-3A, RB-1988-4A, RB-1988-5A, RB-1988-6A, RB-1988-7A, RB-1988-8, RB-1988-9, RB-1988-10, RB-1988-11, RB-1988-12, RB-1988-13, RB-1988-14, RB-1988-15, RB-1988-16, RB-1988-17	17	-
6RWST	RWST-014	6a	Low	2-RWST02B-PEN	Medium	None	Low	S2-261-12	RB-261-17, RB-261-18, RB-261-19, RB-261-20, RB-261-21, RB-261-22, RB-261-23, RB-261-24, RB-261-25	9	-
6RWST	RWST-015	6a	Low	2-RWST02B-PEN	Medium	None	Low	S2-262-10	RB-262-1, RB-262-2, RB-262-3, RB-262-4, RB-262-5	5	-
6RWST	RWST-016	6a	Low	2-RWST02B-PEN	Medium	None	Low	S2-263-10	RB-263-1, RB-263-2, RB-263-3	3	-
6RWST	RWST-017	6a	Low	2-RWST03A	Medium	None	Low	S2-262-10	RB-262-6, RB-262-7, RB-262-8, RB-262-9, RB-262-10, RB-262-11	6	-
6RWST	RWST-018	6a	Low	2-RWST03B	Medium	None	Low	S2-263-10	RB-263-4, RB-263-5, RB-263-6, RB-263-7, RB-263-8, RB-263-9	6	-
9MSS	MSS-001	6a	Low	2-MS01A	Medium	None	Low	K15-228-28	WICG1-1, WICG2-1, ***WICG4-1***, RB-228-1, WICG5-1, WICG6-1, RB-228-2, RB-228-3, WICG7-1, WICG8-1, RB-228-4, ***WICG9-1***	12	2 2-17
9MSS	MSS-002	6a	Low	2-MS01B	Medium	None	Low	K15-227-28	RB-227-1, RB-227-2, RB-227-3, RB-227-4, RB-227-5, RB-227-6, RB-227-7, RB-227-8, RB-227-9, RB-227-10, RB-227-11, RB-227-12	12	2 2-18
9MSS	MSS-003	6a	Low	2-MS01C	Medium	None	Low	K15-226-28	RB-226-1, RB-226-2, RB-226-3, RB-226-4, RB-226-5, RB-226-6, RB-226-7, RB-226-8, RB-226-9, RB-226-10, RB-226-11, RB-226-12	12	2 2-19
9MSS	MSS-004	6a	Low	2-MS01D	Medium	None	Low	K15-225-28	RB-225-1, RB-225-2, RB-225-3, RB-225-4, RB-225-5, RB-225-6, RB-225-7, RB-225-8, RB-225-9, RB-225-10, RB-225-11, RB-225-12	12	2 2-20
9MSS	MSS-005	6a	Low	2-MS02A	Medium	None	Low	K15-228-28	RB-228-5, WICG10-1, WICG19-1, WICG20-1, ***WICG21-1***, RB-228-6, WICG22-1	7	2 2-17
9MSS	MSS-006	6a	Low	2-MS02A	Medium	None	Low	K15-228-8	***WICG11-1***, RB-228-7	2	2 2-17
9MSS	MSS-007	6a	Low	2-MS02A	Medium	None	Low	K15-228-8(1)	WICG12-1	1	2 2-17

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
9MSS	MSS-008	6a	Low	2-MS02A	Medium	None	Low	K15-228-8(2)	WICG13-1	1	2 2-17
9MSS	MSS-009	6a	Low	2-MS02A	Medium	None	Low	K15-228-8(3)	WICG15-1, WICG14-1	2	2 2-17
9MSS	MSS-010	6a	Low	2-MS02A	Medium	None	Low	K15-228-8(4)	***WICG17-1***, WICG16-1	2	2 2-17
9MSS	MSS-011	6a	Low	2-MS02A	Medium	None	Low	K15-228-8(5)	WICG18-1	1	2 2-17
9MSS	MSS-012	6a	Low	2-MS02***B***	Medium	None	Low	K15-227-28	RB-227-13, RB-227-14, RB-227-15, RB-227-16, RB-227-17, RB-227-18, RB-227-19	7	2 2-18
9MSS	MSS-013	6a	Low	2-MS02B	Medium	None	Low	K15-227-8	RB-227-20, RB-227-21	2	2 2-18
9MSS	MSS-014	6a	Low	2-MS02B	Medium	None	Low	K15-227-8(1)	RB-227-22	1	2 2-18
9MSS	MSS-015	6a	Low	2-MS02B	Medium	None	Low	K15-227-8(2)	RB-227-23	1	2 2-18
9MSS	MSS-016	6a	Low	2-MS02B	Medium	None	Low	K15-227-8(3)	RB-227-24, RB-227-25	2	2 2-18
9MSS	MSS-017	6a	Low	2-MS02B	Medium	None	Low	K15-227-8(4)	RB-227-27, RB-227-28	2	2 2-18
9MSS	MSS-018	6a	Low	2-MS02B	Medium	None	Low	K15-227-8(5)	RB-227-26	1	2 2-18
9MSS	MSS-019	6a	Low	2-MS02C	Medium	None	Low	K15-226-28	RB-226-13, RB-226-14, RB-226-15, RB-226-16, RB-226-17, RB-226-18, RB-226-19	7	2.2-19
9MSS	MSS-020	6a	Low	2-MS02C	Medium	None	Low	K15-1065-24	WIC-526, A, ***B***, C	4	2.2-19
9MSS	MSS-021	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8	RB-1065-1, RB-1065-2	2	2 2-19
9MSS	MSS-022	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8(1)	RB-1065-3	1	2 2-19
9MSS	MSS-023	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8(2)	RB-1065-4	1	2 2-19
9MSS	MSS-024	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8(3)	RB-1065-5	1	2.2-19
9MSS	MSS-025	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8(4)	RB-1065-6	1	2 2-19
9MSS	MSS-026	6a	Low	2-MS02C	Medium	None	Low	K15-1065-8(5)	RB-1065-7	1	2 2-19

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
9MSS	MSS-027	6a	Low	2-MS02D	Medium	None	Low	K15-225-28	RB-225-13, RB-225-14, RB-225-15, RB-225-16, RB-225-17, RB-225-18, RB-225-19	7	2 2-20
9MSS	MSS-028	6a	Low	2-MS02D	Medium	None	Low	K15-1066-24	RB-1066-1, RB-1066-2, RB-1066-3, RB-1066-4, RB-1066-5, RB-1066-6	6	2.2-20
9MSS	MSS-029	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8	RB-1066-7, RB-1066-8	2	2.2-20
9MSS	MSS-030	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8(1)	RB-1066-9	1	2 2-20
9MSS	MSS-031	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8(2)	RB-1066-10	1	2 2-20
9MSS	MSS-032	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8(3)	RB-1066-11	1	2 2-20
9MSS	MSS-033	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8(4)	RB-1066-12	1	2 2-20
9MSS	MSS-034	6a	Low	2-MS02D	Medium	None	Low	K15-1066-8(5)	RB-1066-13	1	2 2-20
2CVCS	CVCS-009	6b	Low	2-CVCS04B	Low	TT	Medium	S6-51-2	WIB-840, WIB-839, WIB-835, ***WIB-834***, WIB-833, WIB-832, WIB-831, ***WIB-830***, WIB-829, WIB-828, WIB-827, ***WIB-826***, WIB-825, WIB-824, WIB-823, WIB-822, ***WIB-821***, WIB-820, WIB-818, ***WIB-817***, WIB-816, WIB-815, WIB-814, ***WIB-813***, WIB-812, WIB-811, ***WIB-810***, ***WIB-809***, WIB-808, WIB-807, WIB-806, WIB-805, WIB-804, ***WIB-803***, WIB-802, WIB-801, WIB-800, WIB-799, WIB-798, WIB-797, WIB-796, WIB-795, ***WIB-794***, WIB-793, ***WIB-792***, WIB-791	46	1 4-37 1 4-38 1 4-39

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
2CVCS	CVCS-010	6b	Low	2-CVCS04B	Low	TT	Medium	S6-4532-2	WIB-838B, WIB-838A, ***WIB-837***, WIB-836	4	1.4-39
2CVCS	CVCS-011	6b	Low	2-CVCS04B	Low	TT	Medium	S6-4532-2(1)	WIB-338	1	1 4-39
2CVCS	CVCS-012	6b	Low	2-CVCS04B	Low	TT	Medium	S6-51-2(1)	WIB-819	1	1.4-38
3SIS	SIS-040	6b	Low	2-CVCS12A	Low	IGSCC	Medium	S6-1991-1-1/2	***WIB-512***	1	1.4-60
3SIS	SIS-044	6b	Low	2-CVCS12B	Low	IGSCC	Medium	S6-1992-1-1/2	WIB-565	1	1 4-62
3SIS	SIS-047	6b	Low	2-CVCS12C	Low	IGSCC	Medium	S6-1993-1-1/2	WIB-661	1	1 4-64
3SIS	SIS-051	6b	Low	2-CVCS12D	Low	IGSCC	Medium	S6-1994-1-1/2	***WIB-738***	1	1 4-66
3SIS	SIS-082	6b	Low	2-SI04A	Low	IGSCC	Medium	S6-237-6	WIB-237	1	1 4-13
3SIS	SIS-085	6b	Low	2-SI04B	Low	IGSCC	Medium	S6-238-6	WIB-266, ***WIB-265***	2	1 4-14
1RCS	RCS-008	7a	Low	2-RCS01B	Low	None	Low	S6-1140-2	WIB-975J, WIB-975K	2	1.4-55
1RCS	RCS-069	7a	Low	2-RCS19B	Low	None	Low	S6-958-2	WIB-505, ***WIB-506***	2	1.4-44
1RCS	RCS-072	7a	Low	2-RCS20B	Low	None	Low	S6-959-2	WIB-1010, WIB-1011	2	1 4-45
1RCS	RCS-074	7a	Low	2-RCS21B	Low	None	Low	S6-960-2	WIB-652, WIB-653	2	1 4-46
1RCS	RCS-076	7a	Low	2-RCS22B	Low	None	Low	S6-961-2	WIB-94B, WIB-728, WIB-730, WIB-94C	4	1 4-47
1RCS	RCS-077	7a	Low	2-RCS22B	Low	None	Low	S6-961-2(1)	***WIB-729***	1	1 4-47
3SIS	SIS-058B	7a	Low	2-RHR04A-1	Low	None	Low	S1-512-14	WIC-27, WIC-26, WIC-1050, RB-512-1	4	2 2-25

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-060B	7a	Low	2-RHR05A-1	Low	None	Low	S1-513-14	RB-513-2, RB-513-3, RB-513-4, RB-513-5	4	2.2-6
3SIS	SIS-062	7a	Low	2-RHR05A-1	Low	None	Low	S1-513-14	RB-513-1	1	2.2-6
3SIS	SIS-039	7a	Low	2-CVCS12A	Low	None	Low	S6-1995-3(2) S6-1991-1-1/2	WIB-98F WIB-98-10, WIB-98-9, WIB-98-8, ***WIB-98-7.5***, WIB-98-7, WIB-98-6, WIB-98-5, WIB-98-4, WIB-98-3, WIB-98-2, ***WIB-98-1***, WIB-544, ***WIB-543***, WIB-542, WIB-541, WIB-540, WIB-539B, WIB-539A, WIB-539, WIB-538, ***WIB-537***, ***WIB-536***, WIB-535, ***WIB-534***, WIB-533, WIB-532, WIB-531, WIB-519, WIB-530, WIB-529, WIB-528, ***WIB-527***, WIB-526, WIB-525, WIB-524, WIB-523, WIB-522, WIB-521, WIB-518, WIB-517, WIB-516, WIB-515, ***WIB-514***, WIB-513	45	1.4-32 1.4-59 1 4-60
3SIS	SIS-041	7a	Low	2-CVCS12A	Low	None	Low	S6-1991-1-1/2(1)	***WIB-520***	1	1 4-60
3SIS	SIS-042	7a	Low	2-CVCS12B	Low	None	Low	S6-1995-3	WIB-98R	1	1 4-32

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-043	7a	Low	2-CVCS12B	Low	None	Low	S6-1992-1-1/2	WIB-98-14, WIB-98-13, WIB-98-12, WIB-628, WIB-627, WIB-626, WIB-625, ***WIB-624***, WIB-623, WIB-622, WIB-621, WIB-620, WIB-619, WIB-618, WIB-617, WIB-616, WIB-615, WIB-614, WIB-98-10, WIB-98-9, WIB-98-8, WIB-98-7, WIB-98-6, WIB-98-5, ***WIB-98-4***, WIB-98-3, WIB-98-2, WIB-98-1, WIB-603, ***WIB-602***, WIB-601, ***WIB-600***, WIB-599, WIB-596, WIB-595, WIB-594, WIB-593, WIB-592, WIB-591, WIB-590, ***WIB-589***, WIB-588, WIB-587, WIB-586, ***WIB-585***, ***WIB-584***, ***WIB-583***, WIB-582, WIB-581, WIB-580, ***WIB-579***, WIB-578, WIB-577, WIB-576, WIB-574, ***WIB-573***, WIB-572, ***WIB-571***, WIB-570, WIB-569, WIB-568, ***WIB-567***, WIB-566	63	1.4-61 1 4-62
3SIS	SIS-045	7a	Low	2-CVCS12B	Low	None	Low	S6-1992-1-1/2(1)	***WIB-575***	1	1 4-62
3SIS	SIS-046	7a	Low	2-CVCS12C	Low	None	Low	S6-1995-3(1) S6-1993-1-1/2	WIB-98N WIB-98-11, WIB-98-10, WIB-98-9, WIB-98-8 5, WIB-98-8, WIB-98-7, WIB 98-6, WIB-98-5, WIB-98-4, WIB-98-3, WIB-98-2, WIB-98-1, ***WIB-690***, ***WIB-688***, WIB-687, WIB-686, WIB-685B, WIB-685A, ***WIB-685***, WIB-684, WIB-683, WIB-682, WIB-681, WIB-680, WIB-679, WIB-678, WIB-677A, WIB-677B, WIB-677, ***WIB-676***, WIB-675, WIB-674, WIB-673, WIB-672, ***WIB-671A***, WIB-670, WIB-669, ***WIB-668***, WIB-667, WIB-666, WIB-665, WIB-664, WIB-663, WIB-662	45	1.4-32 1.4-63 1.4-64
3SIS	SIS-048	7a	Low	2-CVCS12C	Low	None	Low	S6-1993-1-1/2(1)	WIB-689	1	1 4-63
3SIS	SIS-049	7a	Low	2-CVCS12C	Low	None	Low	S6-1993-1-1/2(2)	WIB-671	1	1 4-64

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System	Risk Characterization			Consequence		Failure Potential		Lines in Segment	Welds in Segment	Weld Count	Sketch No(s).
	Segment	Category	Rank	ID	Rank	DMs	Rank				
3SIS	SIS-050	7a	Low	2-CVCS12D	Low	None	Low	S6-1995-3 S6-1994-1-1/2	WIB-98A WIB-98-14, WIB-98-13, WIB-98-12, WIB-98-11, WIB-98-10, WIB-98-9, WIB-98-8, WIB-98-7, WIB-98-6, WIB-98-5, WIB-98-4, ***WIB-98-3***, WIB-98-2, WIB-98-1, WIB-754, WIB-753, ***WIB-752***, ***WIB-751***, WIB-750, WIB-749, WIB-748, ***WIB-747***, WIB-746, WIB-745, WIB-744, WIB-743, ***WIB-741***, WIB-740A, WIB-740B, WIB-740, WIB-739	32	1 4-32 1 4-65 1 4-66
3SIS	SIS-052	7a	Low	2-CVCS12D	Low	None	Low	S6-1994-1-1/2(1)	WIB-742	1	1 4-66
3SIS	SIS-081	7a	Low	2-SI04A	Low	None	Low	S6-1976-2 S6-237-6	***WIB-903***, WIB-902, WIB-900, WIB-899, ***WIB-898***, WIB-897, WIB-896 WIB-242, ***WIB-241A***, WIB-241, WIB-240, WIB-239, WIB-238	13	1 4-13 1 4-48
3SIS	SIS-083	7a	Low	2-SI04A	Low	None	Low	S6-1976-2(1)	WIB-901	1	1 4-48
3SIS	SIS-084	7a	Low	2-SI04B	Low	None	Low	S6-1990-2 S6-238-6	WIB-912, WIB-911, ***WIB-909***, WIB-908, WIB-906, WIB-905, WIB-904 WIB-267, WIB-266A	9	1 4-14 1 4-49
3SIS	SIS-086	7a	Low	2-SI04B	Low	None	Low	S6-1990-2(1)	WIB-910	1	1.4-49
3SIS	SIS-087	7a	Low	2-SI04B	Low	None	Low	S6-1990-2(2)	***WIB-907***	1	1.4-49
5CSS	CSS-007	7a	Low	2-CS05	Low	None	Low	S3-325-8	RB-325-1, RB-325-2, RB-325-3, RB-325-4, RB-325-5, RB-325-6	6	-
5CSS	CSS-008	7a	Low	2-CS06	Low	None	Low	S3-326-8	RB-326-1, RB-326-2, RB-326-3, RB-326-4, RB-326-5, RB-326-6	6	-
									Total:	**2543**	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C1.10	Shell Circumferential Welds	Steam Generator 1-1	Girth W1-3 - accessible 20%	U1: 2 1-1	UT	1		NDE-17 R1	
	Shell Circumferential Welds	Steam Generator 1-2	Girth W2-4 - accessible 20%	U1: 2 1-1	UT	2		NDE-17 R1	
	Shell Circumferential Welds	Steam Generator 1-3	Girth W3-5 - accessible 20%	U1 2 1-1	UT	3		NDE-17 R1	
C1 20	Head Circumferential Welds	Steam Generator 1-4	Girth W4-7 - accessible 20%	U1 2 1-1	UT	3		NDE-17 R1	
C1 30	Tubesheet-to-Shell Weld	Steam Generator 1-1	Girth W1-2 - one third	U1 2 1-1	UT	1			Concurrent with Class 1 CH/TS weld
	Tubesheet-to-Shell Weld	Steam Generator 1-1	Girth W1-2 - one third	U1 2 1-1	UT	2			Concurrent with Class 1 CH/TS weld
	Tubesheet-to-Shell Weld	Steam Generator 1-1	Girth W1-2 - one third	U1 2 1-1	UT	3			Concurrent with Class 1 CH/TS weld
C1 10	Shell Circumferential Welds	Steam Generator 2-1	Girth W1-3	U2 2 1-1	UT	1			
	Shell Circumferential Welds	Steam Generator 2-1	Girth W1-4	U2 2 1-1	UT	2			
	Shell Circumferential Welds	Steam Generator 2-1	Girth W1-5	U2 2 1-1	UT	3			
C1 20	Head Circumferential Welds	Steam Generator 2-1	Girth W1-7	U2 2 1-1	UT	3			
C1 30	Tubesheet-to-Shell Weld	Steam Generator 2-1	Girth W1-2 - one third	U2 2 1-1	UT	1			Concurrent with Class 1 CH/TS weld
	Tubesheet-to-Shell Weld	Steam Generator 2-1	Girth W1-2 - one third	U2 2 1-1	UT	2			Concurrent with Class 1 CH/TS weld

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Tubesheet-to-Shell Weld	Steam Generator 2-1	Girth W1-2 - one third	U2 2 1-1	UT	3			Concurrent with Class 1 CH/TS weld
C1.10	Shell Circumferential Welds	Seal Injection Filter 1-1&2	None	U1: 2 1-3				NDE-17, R1	
C1 20	Head Circumferential Welds	Seal Injection Filter 1-1&2	None	U1 2 1-3				NDE-17, R1	
C1 10	Shell Circumferential Welds	Seal Injection Filter 2-1&2	None	U2 2 1-3				NDE-17, R1	
C1 20	Head Circumferential Welds	Seal Injection Filter 2-1&2	None	U2 2 1-3				NDE-17, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C1.10	Shell Circumferential Welds	RHR Heat Exchanger 1-1	Girth Weld GA (#1) (Shell-to-Flange)	U1 2 1-6	PT	2			NDE-17, R1
C1.20	Head Circumferential Welds	RHR Heat Exchanger 1-2	Girth Weld GD (#4) (Head-to-Shell)	U1: 2 1-6	PT	3			NDE-17, R1
C1 10	Shell Circumferential Welds	RHR Heat Exchanger 2-1	Girth Weld Item 21 (Shell-to-Flange)	U2 2 1-6	PT	2			NDE-17, R1

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C1.20	Head Circumferential Welds	RHR Heat Exchanger 2-1	Girth Weld Item 22 (Head-to-Shell)	U2 2 1-6	PT	3		NDE-17, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL-%	RELIEF REQ.	NOTES
C2 10	Nozzles in Vessles <1/2" wall thickness	None Items not applicable or exempt by IWC-1220							
C2 21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 1-3 to K16-557-16IV	Feedwater Nozzle-to-Shell Weld	U1 2 1-1	UT	2		NDE-18, R1	
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 1-3 to K16-557-16IV	Feedwater Nozzle-to-Shell Weld	U1. 2 1-1	MT	2			
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 1-4 to K15-225-28V	Main Steam Nozzle-to-Head Weld	U1 2 1-1	UT	3			
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 1-4 to K15-225-28V	Main Steam Nozzle-to-Head Weld	U1. 2 1-1	MT	3			
C2.22	Nozzle Inside Radius Section	SG 1-3 to K16-557-16IV	Feedwater Nozzle Inside Radius	U1 2 1-1	UT	2			
	Nozzle Inside Radius Section	SG 1-4 to K15-225-28V	Main Steam Nozzle Inside Radius	U1 2 1-1	UT	3			
C2 21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 2-1 to 2K16-554-16IV	Feedwater Nozzle-to-Shell Weld	U2 2 1-1	UT	2		NDE-18, R1	
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 2-1 to 2K16-554-16IV	Feedwater Nozzle-to-Shell Weld	U2 2 1-1	MT	2			
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 2-1 to 2K15-228-28V	Main Steam Nozzle-to-Head Weld	U2. 2 1-1	UT	3			
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	SG 2-1 to 2K15-228-28V	Main Steam Nozzle-to-Head Weld	U2. 2 1-1	MT	3			
C2 22	Nozzle Inside Radius Section	SG 2-1 to 2K16-554-16IV	Feedwater Nozzle Inside Radius	U2 2 1-1	UT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL-%	RELIEF REQ.	NOTES
	Nozzle Inside Radius Section	SG 2-1 to 2K15-228-28V	Main Steam Nozzle Inside Radius	U2 2 1-1	UT	3			
C2 21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	RHR HX 1-1 to S1-112-8	Inlet Nozzle-to-Shell Weld #5 (N1)	U1 2 1-6	PT	2		NDE-18, R1	
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	RHR HX 1-2 to S1-119-8	Outlet Nozzle-to-Shell Weld #6 (N2)	U1 2 1-6	PT	3		NDE-18, R1	
C2 22	Nozzle Inside Radius Section	RHR HX 1-1 to S1-112-8	Inlet Nozzle #5 (N1) Inside Radius	U1 2 1-6	None	.		NDE-19, R1	
	Nozzle Inside Radius Section	RHR HX 1-2 to S1-119-8	Outlet Nozzle #6 (N2) Inside Radius	U1 2 1-6	None	.		NDE-19, R1	
C2 21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	RHR HX 2-1 to 2S1-112-8	Inlet Nozzle-to-Shell Weld Item 24	U2 2.1-6	PT	2		NDE-18, R1	
	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	RHR HX 2-1 to 2S1-3551-14	Outlet Nozzle-to-Shell Weld Item 23	U2. 2 1-6	PT	3		NDE-18, R1	
C2 22	Nozzle Inside Radius Section	RHR HX 2-1 to 2S1-112-8	Inlet Nozzle Inside Radius @ Item 24	U2. 2 1-6	None			NDE-19, R1	
	Nozzle Inside Radius Section	RHR HX 2-1 to 2S1-3551-14	Outlet Nozzle Inside Radius @ Item 23	U2. 2 1-6	None			NDE-19, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL-%	RELIEF REQ.	NOTES
C2.21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	U1 Seal Inj Filter	Nozzle-to-Shell Welds	U1· 2 1-3	None			NDE-18, R1	
C2.22	Nozzle Inside Radius Section	U1 Seal Inj Filter	Nozzle Inside Radius Section	U1. 2.1-3	None			NDE-19, R1	
C2 21	Nozzles in Vessels >1/2" wall Nozzle-to-Shell Weld	U2 Seal Inj Filter	Nozzle-to-Shell Welds	U2 2 1-3	None			NDE-18, R1	
C2 22	Nozzle Inside Radius Section	U2 Seal Inj Filter	Nozzle Inside Radius Section	U2 2 1-3	None			NDE-19, R1	

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C3 10	Pressure Vessels Integrally Welded Attachments	Steam Generators	None						
C3 10	Pressure Vessels Integrally Welded Attachments	Not Required (IWC-2500-1 Footnote 1) for the following							
	Seal Injection Filter, Regenerative Heat Exchanger, RHR Heat Exchanger, PDP Discharge Pulsation Dampener, Excess Letdown Heat Exchanger								
C3 20	Piping Integrally Welded Attachments:	NOTE. Only lines with welded attachments are listed							
	Loop 4 Hot Leg to RHR Pps Welded Attachment	Line S1-927-14III	57S-20V Attach Paramount	U1-2 2-2	PT	I			
	RHR Injection to Hot Leg 1&2 Welded Attachment	Line S1-985-12IIIP	40-46A Attachment X219	U1: 2 2-5	PT	I			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Cent'l Chg Pps Disch Header Welded Attachment	Line S1-1454-6	73-36R Attachment Lugs	U1. 2 2-10	PT	1			
	Steam Gen Steam Outlet 1-1· Welded Attachment	Line K15-228-28V	1020-1V Attachment Lugs	U1. 2 2-21	MT	1			
	Steam Gen Steam Outlet 1-2 Welded Attachment	Line K15-227-28V	1022-1V Attachment Lugs	U1 2 2-22	MT	2			
	Steam Gen Steam Outlet 1-3 Welded Attachment	Line K15-226-28V	1026-1V Attachment Lugs	U1. 2 2-23	MT	3			
	Steam Gen Steam Outlet 1-4 Welded Attachment	Line K15-225-28V	1028-1V Attachment Lugs	U1 2 2-24	MT	3			
	Stm Gen Feedwater Supply 1-1: Welded Attachment	Line K16-554-16V	1037-7V Attachment Paramount	U1 2 2-25	MT	1			
	Stm Gen Feedwater Supply 1-2. Welded Attachment	Line K16-555-16V	1039-9V Attachment Paramount	U1 2 2-26	MT	3			
	Stm Gen Feedwater Supply 1-3 Welded Attachment	Line K16-557-16V	1042-9V Attachment Paramount	U1 2 2-27	MT	3			
	Stm Gen Feedwater Supply 1-4 Welded Attachment	Line K16-556-16V	1044-7V Attachment Paramount	U1 2 2-28	MT	2			
	RHR Pp 1-1 Inj Cold Leg 1&2 Welded Attachment	Line S6-508-8III	58N-49R Attach X307A B	U1 2 2-31	PT	3			
	RHR Pp 1-1 Inj Cold Leg 1&2 Welded Attachment	Line S6-508-8III	58N-52A Attach X426A C	U1 2 2-31	PT	3			
	RHR Pp 1-2 Inj Cold Leg 1&2 Welded Attachment	Line S6-509-8III	57N-5R Attachment Paramount	U1: 2 2-33	PT	1			
	RHR Pp 1-1 Inj Cold Leg 1 Welded Attachment	Line S6-3844-6III	42-37A Attachment X394A-E	U1: 2 2-34	PT	2			
	Cent Chg Pp 1-1 Discharge Welded Attachment	Line S6-45-4	73-35R Attachment Lugs	U1 2 2-38	PT	1			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Cent Chg Pps Disch Hdr : Welded Attachment	Line S6-3678-3	54S-17R Attachment Lugs	U1 2 2-40	PT	1			
	Charg Pp 1-2 BP Sup to Seal Welded Attachment	S6-1475-3	73-37R Attachment Lugs	U1 2 2-42	PT	2			
	Recip Chg Pp 1-3 Disch Welded Attachment	Line S6-47-3	73-48A Attachment Gusset	U1 2 2-43	PT	1			
	Recip Chg Pp 1-3 Disch Welded Attachment	Line S6-47-3	73-50R Attachment Lugs	U1 2 2-43	PT	1			
	RC Pump 1-1 Seal Water In Welded Attachment	Line S6-54-2	2151-53 Attachment X2814A-B	U1· 2 2-75	PT	3			
	RC Pump 1-1 Seal Water In Welded Attachment	Line S6-54-2	2151-58 Attachment X2818A-B	U1· 2 2-75	PT	3			
	Charging Inj Out Header Welded Attachment	Line S6-1016-3III	57S-123V Attachment Lugs	U1 2 2-53	PT	1			
	.	.	.		.	.			
C3 20	Piping Integrally Welded Attachments	NOTE Only lines with welded attachments are listed			.				
	Cent Charg Pps Disch Hdr Welded Attachment	Line 2S6-1454-6	23-36R Attachment	U2 2 2-15	PT	1			
	RHR Pump 2-2 Suction Welded Attachment	Line 2S1-111-14IIIP	47-143A Attachment	U2 2 2-6	PT	1			
	Steam Gen Steam Outlet 2-1: Welded Attachment	Line 2K15-228-28V	2024-15R Attachment	U2. 2 2-17	MT	1			
	Steam Gen Steam Outlet 2-1: Welded Attachment	Line 2K15-228-28V	2020-1V Attachment	U2 2 2-17	MT	1			
	Steam Gen Steam Outlet 2-2 Welded Attachment	Line 2K15-227-28V	2025-15R Attachment	U2. 2 2-18	MT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Steam Gen Steam Outlet 2-2 Welded Attachment	Line 2K15-227-28V	2022-1V Attachment	U2 2 2-18	MT	2			
	Steam Gen Steam Outlet 2-3 Welded Attachment	Line 2K15-226-28V	2026-1V Attachment	U2 2 2-19	MT	3			
	Steam Gen Steam Outlet 2-3 Welded Attachment	Line 2K15-226-28V	413-252R Attachment	U2 2 2-19	MT	3			
	Steam Gen Steam Outlet 2-3 Welded Attachment	Line 2K15-226-28V	2030-15R Attachment	U2 2 2-19	MT	3			
	Steam Gen Steam Outlet 2-4 Welded Attachment	Line 2K15-225-28V	2028-1V Attachment	U2. 2 2-20	MT	3			
	Stm Gen Feedwater Supply 2-1 Welded Attachment	Line 2K16-554-16V	2037-7V Attachment	U2. 2 2-21	MT	3			
	Stm Gen Feedwater Supply 2-2 Welded Attachment	Line 2K16-555-16V	2039-9V Attachment	U2 2 2-22	MT	3			
	Stm Gen Feedwater Supply 2-3 Welded Attachment	Line 2K16-557-16V	2042-9V Attachment	U2. 2 2-23	MT	3			
	Stm Gen Feedwater Supply 2-4 Welded Attachment	Line 2K16-556-16V	2044-7V Attachment	U2. 2 2-24	MT	3			
	RHR Pp 2-1 Inj Cold Leg 1&2· Welded Attachment	Line 2S6-508-8III	8-52A Attachment	U2 2 2-31	PT	3			
	RHR Pp 2-1 Inj Cold Leg 1&2. Welded Attachment	Line 2S6-508-8III	8-49R Attachment	U2 2 2-31	PT	3			
	RHR Pp 2-2 Inj Cold Leg 1&2. Welded Attachment	Line 2S6-509-8III	8-55A Attachment	U2 2 2-33	PT	1			
	RHR Pp 2-2 Inj Cold Leg 1&2. Welded Attachment	Line 2S6-509-8III	7-5R Attachment	U2 2 2-33	PT	1			
	Cent Chg Pp 2-1 Discharge Welded Attachment	Line 2S6-45-4	23-35R Attachment Lugs	U2. 2 2-38	PT	2			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
	Chg Pp 2-1 BP Supply to Seal Welded Attachment	Line 2S6-1474-3	23-34R Attachment Lugs	U2 2 2-39	PT	1			
	Recip Chg Pp 2-3 Disch Welded Attachment	Line 2S6-47-3	23-50R Attachment Lugs	U2 2 2-43	PT	3			
	Charg Pp 2-2 BP Sup to Seal Welded Attachment	Line 2S6-1475-3	23-37R Attachment Lugs	U2 2 2-42	PT	2			
C3 30	Pumps Integrally Welded Attachments	None, or Not Required (IWC-2500-1 Footnote 1) for the following							
	RHR Pumps, Safety Injection Pumps, Reciprocating Charging Pump								
C3 30	Centrifugal Charging Pump 1-1 Welded Attachments	Cent Chg Pp 1-1	Attachment Weld Items 1234	U1 2 3-3	PT/MT	1		NDE-20	IWC-2500-1 Note 4 to C-G Note 1
C3 30	Centrifugal Charging Pump 2-1: Welded Attachments	Cent Chg Pp 2-1	Attachment Weld Items 1234	U2 2 3-3	PT	1		NDE-20	IWC-2500-1 Note 4 to C-G Note 1
C3 40	None (valve attachments counted as pipe)								

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C4 10	Pressure Vessels Bolts and Studs (>2" diameter)	None	.			.			
	.	.			.	.			
C4 20	Piping Bolts and Studs (>2" diameter)	None				.			
	.	.	.			.			
C4 30	Pumps Bolts and Studs (>2" diameter)	None for the following pumps		.					
	RHR Pumps, Centrifugal Charging Pumps, Reciprocating Charging Pump			.					
.			.	.					
C4.30	Safety Injection Pump 1-1 Bolting >2" diameter	Safety Injection Pump 1-1	8 Studs >2" dia (Items 1 thru 7 & 11)	U1 2 3-2	UT	1			
.		.	.						
C4 30	Safety Injection Pump 2-1 Bolting >2" diameter	Safety Injection Pump 2-1	8 Studs >2" dia (Items 1 thru 7 & 11)	U2 2 3-2	UT	1			

NOTE C-F-1 AND C-F-2 WELDS NOW INCLUDED IN RI-ISI PROGRAM

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES

Note: Tables B-F, B-J, C-F-1, and C-F-2 have been replaced by RI-ISI program located under Tab-3 of this program plan

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES
C6 10	Residual Heat Removal Pump Casing Welds	None		U1: 2 3-1	.				
	Safety Injection Pump Casing Welds	None	.	U1: 2 3-2		.			
	Centrifugal Charging Pump 1-1 Casing Welds	CCP 1-1 Drive End	Casing End Section Weld	U1. 2 3-3	PT	3*			*If pump disassembled
	Centrifugal Charging Pump 1-2 Casing Welds	None	.	U1: 2 3-3		.			
	Reciprocating Charging Pump 1-3 Casing Welds	None		U1: 2 3-4					
.	.			.					
C6 10	Residual Heat Removal Pump Casing Welds	None		U2 2.3-1	.				
	Safety Injection Pump Casing Welds	None	.	U2 2 3-2		.			
	Centrifugal Charging Pump 2-1 Casing Welds	None	.	U2 2 3-3	.	.			
	Centrifugal Charging Pump 2-2 Casing Welds	CCP 2-2 Drive End	Casing End Section Weld	U2: 2 3-3	PT	3*			*If pump disassembled
	Reciprocating Charging Pump 1-3 Casing Welds	None	.	U2: 2 3-4	.				
		.			.				
C6 20	Valve Body Welds Unit 1 & Unit 2	None				.			

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ITEM	PARTS EXAMINED	COMP/LINE	WELD/COMP NO.	ISI DWG.	NDE	PER.	LINE-TOTL %	RELIEF REQ.	NOTES

Due to difference in format, pressure test tables follow Class 3 supports