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Bolts, Pumps, and Valves Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Section XI Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
B-G-1	B6.220	1RC8002D/FLG SURF Valve Flange Surface			VT-1	NRI
Comments: OBS 16-220 Valve disassembled under WO#01169301.						
B-M-2	B12.50	1RC8002D/INT SURF Valve Body Interior			VT-3 VT-3	RI NRI
Comments: OBS 16-222 Valve disassembled under WO#01169301. Complete examination per Table 2500-1 Category B-M-2 Note (2). ID surface impression from disk guide. Ref. IR#0971222, RIR# B1R16-2009-344.						
B-G-1	B6.230	1RC8002D/NBW 1-24 Valve Nuts, Bushings, and Washers			VT-1 VT-1	NRI NRI
Comments: OBS 16-221 Valve disassembled under WO#01169301.						

Bolts, Pumps, and Valves Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-G-2	B7.70	1SI8948B/BLT 1-18 Valve Studs, Nuts, Bushings, and Washers			VT-1	NRI
OBS 16-218 Valve dissasembled under WO#01267291.						
B-M-2	B12.50	1SI8948B/INT SURF Valve Body Interior			VT-3	NRI
OBS 16-219 Valve dissasembled under WO#01267291. Partial examination per Table 2500-1 Category B-M-2 Note (2).						

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Weld / Component Outage Summary (Preservice Inspections)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Section XI Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	R1.11	1RC30AC-1.5/W-01.01 Valve - Reducer	1RC30AC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Baseline exam of new socket weld W-1. WO#01267305.									
R-A	R1.11	1RC30AD-1.5/W-01.01 Valve - Reducer	1RC30AD-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Baseline exam of new socket weld W-1. WO#01267306.									

Weld / Component Outage Summary (Preservice Inspections)

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Section XI Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
R-A	R1.11	1SI08JC-1.5/W-41.01 Pipe - Elbow	1SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-4. WO#01267305.									
R-A	R1.11	1SI08JC-1.5/W-42.01 Elbow - Pipe	1SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-3. WO#01267305.									
R-A	R1.11	1SI08JC-1.5/W-43.01 Pipe - Valve	1SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-4. WO#01267305.									
R-A	R1.11	1SI08JD-1.5/W-27.01 Pipe - Coupling	1SI08JD-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-5. WO#01267306.									
R-A	R1.11	1SI08JD-1.5/W-28.01 Coupling - Pipe	1SI08JD-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-3. WO#01267306.									
R-A	R1.11	1SI08JD-1.5/W-29.01 Pipe - Valve	1SI08JD-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VISL	PT VT-2	NRI NRI
Comments: Baseline exam of new socket weld W-2. WO#01267306.									

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Detailed Inservice Inspection Bolts, Pumps, and Valves Listing (PSI)

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-G-2	B7.50	1RY03BA-6/FLG 1-12 Piping Flange Bolting		PFB-RY	VT-1	NRI
Baseline exam for 1RY8010A replacement. WO#01120408.						
B-G-2	B7.50	1RY03BB-6/FLG 1-12 Piping Flange Bolting		PFB-RY	VT-1	NRI
Baseline exam for 1RY8010B replacement. WO#0113633.						

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Pressure Test Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Section XI Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
NA	NA	1-RC-1-1			VT-2	NRI
Includes area under vessel in incore shaft.						

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Component Support Outage Summary

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.40	1CS-01-PA/L1 CS PUMP 1A LUG 1	1CS-01-PA			VT-3	NRI
Comments: Concrete is painted							
F-A	F1.40	1CS-01-PA/L2 CS PUMP 1A LUG 2	1CS-01-PA			VT-3	NRI
Comments: Concrete is painted							
F-A	F1.40	1CS-01-PA/L3 CS PUMP 1A LUG 3	1CS-01-PA			VT-3	NRI
Comments: Concrete is painted							

Component Support Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.20	1SI04A-12/1SI18027X SEISMIC	1SI04A-12			VT-3	NRI

Comments: All welds painted. IO - Minor surface rust / no degradation on stitch weld, bottom southwest side item# 6.

Component Support Outage Summary

SYSTEM: Essential Service Water System (SX)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.20	1SX06CA-14/1SX06005X SEISMIC	1SX06CA-14			VT-3	NRI
None							
F-A	F1.20	1SX06CA-14/1SX06006X SEISMIC	1SX06CA-14			VT-3	NRI
None							
F-A	F1.20	1SX06EA-10/1SX06015X SEISMIC	1SX06EA-10			VT-3	NRI
None							

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Snubber Outage Summary

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Section XI Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	1CV05CB-6/1CV08013S SNUBBER	1CV05CB-6		SR	VT-3	NRI
F-A	F1.20	1CV05CB-6/1CV08021S SNUBBER	1CV05CB-6		SR	VT-3	NRI
NA	NA	1CV15AB-3/4/1CV28002S SNUBBER	1CV15AB-3/4		SR	VT-3 FT	NRI PASS
NA	NA	1CV15AB-3/4/1CV28003S SNUBBER	1CV15AB-3/4		SR	VT-3 FT	NRI PASS
NA	NA	1CV15AC-3/4/1CV29003S SNUBBER	1CV15AC-3/4		SR	VT-3 FT	NRI PASS
F-A	F1.10	1CV45B-2/1RY06124S SNUBBER	1CV45B-2		SR	VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV09005S SNUBBER	1CVA3B-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1CVA7AA-2/1CV25009S SNUBBER	1CVA7AA-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1CVA7AA-2/1CV25016S SNUBBER	1CVA7AA-2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Main Steam System (MS)

Section XI Cat.	Section XI Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
N/A	SNUB	1MS01AB-32.75/1MS06007-S1 SNUBBER	1MS01AB-32.75		DBL SR	VT-3 FT	NRI PASS
N/A	SNUB	1MS01AB-32.75/1MS06007-S2 SNUBBER	1MS01AB-32.75		DBL SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.40	1RC01BA-1A/1RC06S SNUBBER	1RC01BA-1A		SR	VT-3	NRI
F-A	F1.40	1RC01BA-1A/1RC07S SNUBBER	1RC01BA-1A		SR	VT-3	NRI
F-A	F1.40	1RC01BB-1B/1RC08S SNUBBER	1RC01BB-1B		SR	VT-3	NRI
F-A	F1.40	1RC01BB-1B/1RC09S SNUBBER	1RC01BB-1B		SR	VT-3	NRI
F-A	F1.40	1RC01BC-1C/1RC10S SNUBBER	1RC01BC-1C		SR	VT-3 FT	NRI PASS
F-A	F1.40	1RC01BC-1C/1RC11S SNUBBER	1RC01BC-1C		SR	VT-3	NRI
F-A	F1.40	1RC01BD-1D/1RC12S SNUBBER	1RC01BD-1D		SR	VT-3	NRI
F-A	F1.40	1RC01BD-1D/1RC13S SNUBBER	1RC01BD-1D		SR	VT-3	NRI
NA	NA	1RC08AB-3/4/1RC17025S SNUBBER	1RC08AB-3/4		SR	VT-3 FT	NRI PASS
NA	NA	1RC08AD-3/4/1RC19023S SNUBBER	1RC08AD-3/4		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC14AB-2/1CV15040S SNUBBER	1RC14AB-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC14AC-2/1CV09066S SNUBBER	1RC14AC-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC14AD-2/1CV25034S SNUBBER	1RC14AD-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC16AA-2/1CV12006S SNUBBER	1RC16AA-2		SR	VT-3 FT	NRI PASS
NA	NA	1RC20AA-3/4/1RC16010S SNUBBER	1RC20AA-3/4		SR	VT-3	NRI
NA	NA	1RC20AB-3/4/1RC17012S SNUBBER	1RC20AB-3/4		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	1RC20AD-3/4/1RC19004S SNUBBER	1RC20AD-3/4		SR	VT-3	NRI
F-A	F1.10	1RC21AC-8/1RC03006S SNUBBER	1RC21AC-8		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC22AA-1.5/1RC16016S SNUBBER	1RC22AA-1.5		SR	VT-3	NRI
F-A	F1.10	1RC22AB-1.5/1RC17003S SNUBBER	1RC22AB-1.5		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC24AB-4/1RY06032S SNUBBER	1RC24AB-4		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RY01AA-4/1RY06059S SNUBBER	1RY01AA-4		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RY01AA-4/1RY06121S SNUBBER	1RY01AA-4		SR	VT-3	NRI
F-A	F1.10	1RY06A-3/1RY09012S SNUBBER	1RY06A-3		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RY18A-2/1RY06097S SNUBBER	1RY18A-2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Steam Generator Blowdown System (SD)

Section XI Cat.	Section XI Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	1SD01CE-2/1SD22015S SNUBBER	1SD01CE-2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

Snubber Outage Summary

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1SI05DA-6/1SI01029S SNUBBER	1SI05DA-6		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

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(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
Category B-A Non-Deferred Exams													
B1.30	1	1	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B1.40	1	1	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
Totals:	**2**	**2**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**
Category B-A Deferred Exams													
B1.11	3	3	N/A	-	N/A	N/A	-	N/A	0	100.00%	0.00%	0.00%	0.00%
B1.21	2	2	N/A	-	N/A	N/A	-	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**5**	**5**	**N/A**	**-**	**N/A**	**N/A**	**-**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**
Category B-B Non-Deferred Exams													
B2.11	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B2.12	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B2.40	4	1	0	1	1	1	0	1	0	25.00%	100.00%	100.00%	100.00%
Totals:	**8**	**5**	**1**	**1**	**2**	**2**	**0**	**2**	**0**	**62.50%**	**20.00%**	**20.00%**	**20.00%**

1. (B2.40) Per Examination Category B-B, Note 1, examinations may be limited to one vessel among a group of vessels performing a similar function.

Category B-D Non-Deferred Exams													
B3.110	6	6	1	5	3	-2	0	-1	0	100.00%	83.33%	83.33%	83.33%
B3.120	6	6	1	5	3	-2	0	-1	0	100.00%	83.33%	83.33%	83.33%
B3.140	8	8	2	0	4	4	0	6	0	100.00%	0.00%	0.00%	0.00%
Totals:	**20**	**20**	**4**	**10**	**10**	**0**	**0**	**5**	**0**	**100.00%**	**50.00%**	**50.00%**	**50.00%**

1. (B3.120 & B3.140) Per 10 CFR 50.55a(b)(2)(xxi)(A), Table IWB-2500-1 examination requirements, the provisions of Table IWB-2500-1, Examination Category B-D, Item Numbers B3.120 and B3.140 in the 1998 Edition must be applied when using the 1999 Addenda through the latest edition and addenda, and requires that a visual examination with enhanced magnification may be performed on the inside radius section in place of an ultrasonic examination.

Category B-D Deferred Exams													
B3.90	8	8	N/A	-	N/A	N/A	-	N/A	0	100.00%	0.00%	0.00%	0.00%
B3.100	8	8	N/A	-	N/A	N/A	-	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**16**	**16**	**N/A**	**-**	**N/A**	**N/A**	**-**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
1. (B3.90 & B3.100) Per Examination Category B-D, Note 5, for PWR's in the second and successive inspection intervals, these examinations may be deferred to the end of the interval provided no repair/replacement activities have been performed on the examination item, and no flaws or relevant conditions requiring successive inspections in accordance with IWB-2420(b) are contained in the examination item.													
Category B-G-1 Deferred Exams													
B6.10	3	3	N/A	1	N/A	N/A	0	N/A	0	100.00%	33.33%	33.33%	33.33%
B6.20	3	3	N/A	1	N/A	N/A	0	N/A	0	100.00%	33.33%	33.33%	33.33%
B6.40	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.50	3	3	N/A	1	N/A	N/A	0	N/A	0	100.00%	33.33%	33.33%	33.33%
B6.90	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.100	8	8	N/A	8	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B6.110	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.170	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.180	4	1	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B6.190	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B6.200	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B6.210	8	2	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B6.220	8	1	N/A	1	N/A	N/A	0	N/A	0	12.50%	100.00%	0.00%	0.00%
B6.230	8	1	N/A	1	N/A	N/A	0	N/A	0	12.50%	100.00%	0.00%	0.00%
Totals:	**71**	**40**	**N/A**	**13**	**N/A**	**N/A**	**0**	**N/A**	**0**	**53.52%**	**32.50%**	**32.50%**	**32.50%**

1. (B6.10 & B6.20 & B6.50) Single components representing one third of the 54 Reactor Vessel Closure Head Nuts, Closure Studs, and Closure Washers, Bushings.
2. (B6.40) A single component representing all of the 54 Reactor Vessel Threads in Flange to be examined.
3. (B6.90 & B6.100 & B6.110) Eight components are tracked in the database, each representing all of the Bolts and associated Nuts, Bushings, and Washers and Flange Surfaces on one of the eight Steam Generator Manways. Each of the eight entries represents 20 bolts and associated parts for an individual manway.
4. (B6.170) A single component represents the five sets of CETC column nuts.
5. (B6.180) Four components are tracked in the database, each representing one of the 24 Bolts on one of the four Reactor Coolant Pumps (96 total) as reported in the ISI Program Plan. The volumetric examination of these components is limited to only one of the pumps per Examination Category B-G-1, Note 3 and Examination Category B-L-2, Note 1. Examination is required only once per inspection interval.
6. (B6.190 & B6.200) Four components are tracked in the database, each representing all 24 associated Flange Surfaces and Nuts, Bushings, and Washers for one of the four Reactor Coolant Pumps (96 total) as reported in the ISI Program Plan. The visual examination of these components is limited to only one of the pumps per Examination Category B-G-1, Note 3 and Examination Category B-L-2, Note 1. Also, per Examination Category B-G-1, Note 4 and Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Examination is required only once per inspection interval.

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3

7. (B6.210) Eight components are tracked in the database, each representing all of the Bolts and associated Nuts, Bushings, and Washers and Flange Surfaces on one of the eight Reactor Coolant Valves as reported in the ISI Program Plan. The volumetric examination of these components is limited to only one of the valves per Examination Category B-G-1, Note 3 and Examination Category B-M-2, Note 3. Examination is required only once per inspection interval.
8. (B6.220 & B6.230) Eight components are tracked in the database, each representing all of the Bolts and associated Nuts, Bushings, and Washers and Flange Surfaces on one of the eight Reactor Coolant Valves as reported in the ISI Program Plan. The visual examination of these components is limited to only one of the valves per Examination Category B-G-1, Note 3 and Examination Category B-M-2, Note 3. Also, per Examination Category B-G-1, Note 4 and Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Examination is required only once per inspection interval.

Category B-G-2 Deferred Exams

B7.10	2	2	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B7.20	1	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B7.50	20	3	N/A	2	N/A	N/A	0	N/A	0	15.00%	66.67%	66.67%	66.67%
B7.60	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B7.70	26	2	N/A	2	N/A	N/A	0	N/A	0	3.85%	100.00%	100.00%	100.00%
Totals:	**53**	**7**	**N/A**	**4**	**N/A**	**N/A**	**0**	**N/A**	**0**	**13.21%**	**57.14%**	**57.14%**	**57.14%**

1. (B7.10) Two components representing the CETC and RVLIS Clamp Bolts and associated Nuts as reported in the ISI Program Plan.
2. (B7.20) A single component is scheduled in the first inspection period, representing all 16 Pressurizer Manway Bolts and associated Nuts as reported in the ISI Program Plan.
3. (B7.50) Per Examination Category B-G-2, Note 3, examination is required only when a bolted connection is disassembled or bolting is removed. Also, per Examination Category B-G-2, Note 3, examinations are limited to at least one bolted connection within each group of bolted connections that are similar in design, size, function, and service. Examination is required only once per inspection interval within each bolted connection group.
4. (B7.60) Four components are tracked in the database, each representing all 36 Bolts and associated Nuts for one of the four Reactor Coolant Pumps (144 total) as reported in the ISI Program Plan. Per Examination Category B-G-2, Note 2 and Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Also, per Examination Category B-G-2, Note 2 and Examination Category B-L-2, Note 1, examinations are limited to at least one pump within each group of pump that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group.
5. (B7.70) Per Examination Category B-G-2, Note 2 and Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Also, per Examination Category B-G-2, Note 2 and Examination Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)	**BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT**	(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
Category B-K Non-Deferred Exams													
B10.10	2	1	0	0	1	1	0	1	0	50.00%	0.00%	0.00%	0.00%
B10.20	7	3	1	1	1	1	0	1	0	42.86%	33.33%	33.33%	33.33%
Totals:	**9**	**4**	**1**	**1**	**2**	**2**	**0**	**2**	**0**	**44.44%**	**25.00%**	**25.00%**	**25.00%**

1. (B10.10) Per Examination Category B-K, Note 4, for multiple vessels of similar design, function and service, only one welded attachment of only one of the multiple vessels shall be selected for examination. Conservatively, a welded attachment of each type of welded attachment of one of multiple vessels will be examined.
2. (B10.20 & B10.30) Per Examination Category B-K, Note 5, for piping, pumps, and valves, a sample of 10% of the welded attachments associated with the component supports selected for examination under IWF-2510 shall be examined. This requirement is conservatively interpreted to mean that 10% of the total Class 1 welded attachments shall be examined. The interpretation is consistent with the previous NRC condition on the use of Code Case N-509.

Category B-L-2 Deferred Exams

Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B12.20	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
Totals:	**4**	**0**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**0.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B12.20) The examination of pump casings is limited to only one of the pumps performing similar functions in the system per Examination Category B-L-2, Note 1. Also, per Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination. Examination is required only once per inspection interval.

Category B-M-2 Deferred Exams

Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B12.50	37	4	N/A	4	N/A	N/A	0	N/A	0	10.81%	100.00%	100.00%	100.00%
Totals:	**37**	**4**	**N/A**	**4**	**N/A**	**N/A**	**0**	**N/A**	**0**	**10.81%**	**100.00%**	**100.00%**	**100.00%**

1. (B12.50) Per Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination. Also, per Examination Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group.

Category B-N-1 Non-Deferred Exams

B13.10	1	1	0	1	1	1	0	1	0	100.00%	100.00%	100.00%	100.00%
Totals:	**1**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

1. (B13.10) "% Completed" exceeds 100% since the vessel interior is selected for examination once each period (three times during the interval).

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
Category B-N-2 Deferred Exams													
B13.50	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B13.60	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**2**	**2**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**
Category B-N-3 Deferred Exams													
B13.70	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**1**	**1**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**
Category B-O Deferred Exams													
B14.10	5	5	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**5**	**5**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B14.10) 10% of the 45 CRD Housings (as reported in the ISI Program Plan) are required to be examined each interval per this Item Number. These 5 components represent that 10% population.

Category B-P Non-Deferred Exams													
B15.10	1	1	N/A	3	N/A	N/A	0	N/A	0	100.00%	300.00%	300.00%	300.00%
Totals:	**1**	**1**	**N/A**	**3**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**3000.00%**	**300.00%**	**300.00%**

1. (B15.10) "% Completed" exceeds 100% since Class 1 pressure tests are performed each refueling outage.
2. (B15.10) Five components representing the five systems in Class 1 as reported in the ISI Program Plan.

Category C-A Non-Deferred Exams													
C1.10	6	1	0	1	1	1	0	1	0	16.67%	0.00%	0.00%	0.00%
C1.20	6	1	0	1	1	1	0	1	0	16.67%	0.00%	0.00%	0.00%
C1.30	4	1	0	0	1	1	0	1	0	25.00%	100.00%	100.00%	100.00%
Totals:	**16**	**3**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**18.75%**	**33.33%**	**33.33%**	**33.33%**

1. (C1.10, C1.20, & C1.30) Per Examination Category C-A, Note 3, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.
2. (C1.10 & C1.20) Two welds per item for the Residual Hear Removal Heat Exchanger are exempted from examination with the adoption of ASME Code Case N-706. The remaining welds in the items are for the four steam generators and are selected for examination under #1 above.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)	**BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT**	(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
Category C-B Non-Deferred Exams													
C2.21	12	1	0	0	1	1	0	1	0	8.33%	0.00%	0.00%	0.00%
C2.22	4	1	0	1	1	1	0	1	0	12.50%	100.00%	100.00%	100.00%
Totals:	**16**	**2**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**12.50%**	**50.00%**	**50.00%**	**50.00%**

1. (C2.21 & C2.22) Per Examination Category C-B, Note 4, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.
2. (C2.21) The capped Auxiliary Feedwater nozzle is exempted from examination selection per Examination Category C-B, Note 1 and Note 2.
3. (C2.21) Two welds per item for the Residual Hear Removal Heat Exchanger are exempted from examination with the adoption of ASME Code Case N-706. The remaining welds in the item are for the four steam generators and are selected for examination under #1 above.

Category C-C Non-Deferred Exams													
C3.10	2	1	0	1	1	1	0	1	0	50.00%	100.00%	100.00%	100.00%
C3.20	61	7	2	2	3	2	0	3	0	11.48%	28.57%	28.57%	28.57%
C3.30	20	2	0	0	1	1	0	1	0	10.00%	0.00%	0.00%	0.00%
Totals:	**83**	**10**	**2**	**3**	**5**	**2**	**0**	**4**	**0**	**12.05%**	**30.00%**	**30.00%**	**30.00%**

1. (C3.10) Per Examination Category C-C, Note 4, for multiple vessels of similar design, function, and service, only one welded attachment of only one of the multiple vessels shall be selected for examination. Conservatively, a welded attachment of each type of welded attachment of one of multiple vessels will be examined.
2. (C3.20 & C3.30) Per Examination Category C-C, Note 5, for piping, pumps, and valves, a sample of 10% of the welded attachments associated with the component supports selected for examination under IWF-2510 shall be examined. This requirement is conservatively interpreted to mean that 10% of the total Class 2 welded attachments shall be examined. The interpretation is consistent with the previous NRC condition on the use of Code Case N-509.

Category C-H Non-Deferred Exams													
C7.10	29	29	N/A	29	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
Totals:	**29**	**29**	**N/A**	**29**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**1000.00%**	**100.00%**	**100.00%**

1. (C7.10) "% Completed" exceeds 100% since Class 2 pressure tests are performed each inspection period.
2. (C7.10) Twenty-nine components representing the twenty-nine systems in Class 2 as reported in the ISI Program Plan.

Category D-A Non-Deferred Exams													
D1.10	28	14	3	7	7	0	0	3	0	50.00%	50.00%	50.00%	50.00%
D1.20	120	14	3	3	7	4	0	7	0	11.67%	21.43%	21.43%	21.43%
D1.30	12	2	0	0	1	1	0	1	0	16.67%	0.00%	0.00%	0.00%
Totals:	**160**	**30**	**5**	**10**	**15**	**5**	**0**	**12**	**0**	**18.75%**	**33.33%**	**33.33%**	**33.33%**

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)			**BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT**								(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)		
			# Exams Completed								**% Exams Completed**		
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**

1. (D1.10 & D1.20 & D1.30) Unit 0 (Common) components are scheduled with and included in the Unit 1 counts.
2. (D1.10) Per Examination Category, Note 3, for multiple vessels of similar design, function, and service, the welded attachments of only one of the multiple vessels shall be selected for examination. Conservatively, an integral attachment of each type of welded attachment of one of multiple vessels will be examined.
3. (D1.20) Per Examination Category, Note 3, for welded attachments of piping, pumps, and valves, a 10% sample shall be selected for examination. This requirement is conservatively interpreted to mean that 10% of the total Class 3 welded attachments shall be examined. The interpretation is consistent with the previous NRC condition on the use of Code Case N-509.

Category D-B Non-Deferred Exams

D2.10	20	20	N/A	20	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
Totals:	**20**	**20**	**N/A**	**20**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

1. (D2.10) "% Completed" exceeds 100% since Class 3 pressure tests are performed each inspection period.
2. (D2.10) Twenty components representing the twenty systems in Class 3 as reported in the ISI Program Plan.

Category F-A Non-Deferred Exams

F1.10	467	122	20	32	61	29	0	59	0	26.12%	26.23%	26.23%	26.23%
F1.20	598	99	16	30	49	20	0	44	0	16.58%	30.30%	30.30%	30.30%
F1.30	1007	103	17	34	51	18	0	43	0	10.23%	33.01%	33.01%	33.01%
F1.40	74	35	6	7	17	11	0	19	0	47.30%	20.00%	20.00%	20.00%
Totals:	**2146**	**359**	**58**	**103**	**179**	**77**	**0**	**166**	**0**	**16.73%**	**28.69%**	**28.69%**	**28.69%**

1. (F1.30 & F1.40) Unit 0 (Common) components are scheduled with and included in the Unit 1 counts.
2. (F1.40) Per Examination Category F-A, Note 3, for multiple components other than piping within a system of similar design, function, and service, the supports of only one of the multiple components are required to be examined.

Category R-A Non-Socket Welds

1	128	32	6	16	16	0	0	8	0	25.00%	50.00%	50.00%	50.00%
2	136	36	6	10	18	8	0	17	0	26.47%	27.78%	27.78%	27.78%
4	1400	146	24	68	73	5	0	41	0	10.43%	46.58%	46.58%	46.58%
5	71	10	2	0	5	5	0	7	0	14.08%	0.00%	0.00%	0.00%
Totals:	**1735**	**224**	**36**	**94**	**112**	**18**	**0**	**74**	**0**	**12.91%**	**41.96%**	**41.96%**	**41.96%**

1. (BER Welds) The # of Comp and # Selected include all BER welds which have been integrated into the RISI Program and are selected in accordance with the Risk Informed BER methodology.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

BYRON STATION UNIT 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Item No.	# of Comp	Total Selected	# Exams Completed Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
Category R-A Socket Welds													
2	91	38	N/A	114	N/A	N/A	0	N/A	0	41.76%	300.00%	300.00%	300.00%
4	188	44	N/A	132	N/A	N/A	0	N/A	0	23.40%	300.00%	300.00%	300.00%
5	339	34	N/A	102	N/A	N/A	0	N/A	0	10.03%	300.00%	300.00%	300.00%
Totals:	**618**	**116**	**N/A**	**348**	**N/A**	**N/A**	**0**	**N/A**	**0**	**18.77%**	**300.00%**	**300.00%**	**300.00%**

1. Socket welds for Examination Category R-A piping structural elements are listed separately from butt welds because socket welds are selected for examination in "each" refueling outage. Including socket welds in the # of Comp, Total Selected, and # Selected fields with the butt welds would misrepresent the % completed distributions for the remainder of the Examination Category. The "% Completed" exceeds 100% since they are examined each outage per ASME Code Case N-578-1, Table 1, footnote 12.