

(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 2 - 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.)

**CATEGORY B-D DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-D	B3.90	8	8	N/A	8	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-D	B3.100	8	8	N/A	8	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>16</b>	<b>16</b>	<b>N/A</b>	<b>16</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

1. (B3.100) This Item Number requires a visual examination with enhanced magnification in lieu of volumetric examination, as allowed by Code Case N-648-1.

2. (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**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-G-1	B6.10	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-G-1	B6.20	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-G-1	B6.40	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.50	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.170	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.180	4	1	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B-G-1	B6.190	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.200	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.210	8	2	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B-G-1	B6.220	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.230	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>47</b>	<b>14</b>	<b>N/A</b>	<b>6</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>29.79%</b>	<b>42.86%</b>	<b>42.86%</b>	<b>42.86%</b>

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 scheduled the first inspection period, representing all of the 54 Reactor Vessel Threads in Flange to be examined.

3. (B6.170) A single component represents the five sets of CETC column nuts.

4. (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.

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5. (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.
6. (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.
7. (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**

Cat.	Item No.	# of Total		# Exams Completed			% Exams Completed							
		Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-G-2	B7.10	2	1	N/A	0	N/A	N/A	0	N/A	0	50.00%	0.00%	0.00%	0.00%
B-G-2	B7.20	1	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-2	B7.30	4	4	N/A	2	N/A	N/A	0	N/A	0	100.00%	50.00%	50.00%	50.00%
B-G-2	B7.50	20	4	N/A	3	N/A	N/A	0	N/A	0	20.00%	75.00%	75.00%	75.00%
B-G-2	B7.60	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-2	B7.70	26	1	N/A	1	N/A	N/A	0	N/A	0	3.85%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>57</b>	<b>10</b>	<b>N/A</b>	<b>6</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>17.54%</b>	<b>60.00%</b>	<b>60.00%</b>	<b>60.00%</b>

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. (B7.30) Four components are tracked in the database, each representing all 32 Bolts and associated Nuts for both Manways on each of the four Steam Generator (128 total) as reported in the ISI Program Plan.
4. (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.
5. (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.
6. (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.

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**CATEGORY B-K NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-K	B10.10	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-K	B10.20	8	3	1	0	1	2	0	2	0	37.50%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>50.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

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**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-L-2	B12.20	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>4</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

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**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-M-2	B12.50	37	2	N/A	2	N/A	N/A	0	N/A	0	5.41%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>37</b>	<b>2</b>	<b>N/A</b>	<b>2</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>5.41%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

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**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-N-1	B13.10	1	1	0	1	1	1	0	1	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

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1. (B13.10) "% Selected" exceeds 100% since the vessel interior is selected for examination twice each period (six times during the interval). The two ASME Section XI exams per period consist of a vessel cavity exam and vessel head exam.

**CATEGORY B-N-2 DEFERRED EXAMS**

Cat.	Item No.	# of Total		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-N-2	B13.50	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-N-2	B13.60	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>2</b>	<b>2</b>	<b>N/A</b>	<b>2</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

**CATEGORY B-N-3 DEFERRED EXAMS**

Cat.	Item No.	# of Total		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-N-3	B13.70	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>1</b>	<b>1</b>	<b>N/A</b>	<b>1</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

**CATEGORY B-O DEFERRED EXAMS**

Cat.	Item No.	# of Total		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-O	B14.10	5	5	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>5</b>	<b>5</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

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**

Cat.	Item No.	# of Total		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-P	B15.10	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>1</b>	<b>1</b>	<b>N/A</b>	<b>1</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

1. (B15.10) "% selected" exceeds 100% since Class 1 pressure tests are performed each refueling outage.



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**CATEGORY C-A NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
C-A	C1.10	14	4	1	0	2	2	0	3	0	28.57%	0.00%	0.00%	0.00%
C-A	C1.20	6	2	0	0	1	1	0	1	0	33.33%	0.00%	0.00%	0.00%
C-A	C1.30	4	1	0	0	1	1	0	1	0	25.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>24</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>29.17%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

1. (C1.10 & C1.20) 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.

**CATEGORY C-B NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
C-B	C2.21	16	7	2	0	3	4	0	5	0	43.75%	0.00%	0.00%	0.00%
C-B	C2.22	8	1	0	1	1	1	0	1	0	12.50%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>24</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>33.33%</b>	<b>12.50%</b>	<b>12.50%</b>	<b>12.50%</b>

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. (C2.22) Due to the unique configuration of the heat exchanger nozzle reinforcing pads being on the internal surface, the nozzle inner radius section is inaccessible for examination. (See Relief Request I3R-04).

**CATEGORY C-C NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
C-C	C3.10	2	1	0	0	1	1	0	1	0	50.00%	0.00%	0.00%	0.00%
C-C	C3.20	76	8	2	1	4	3	0	5	0	10.53%	12.50%	12.50%	12.50%
C-C	C3.30	20	2	0	0	1	1	0	1	0	10.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>98</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>11.22%</b>	<b>9.09%</b>	<b>9.09%</b>	<b>9.09%</b>

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.

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**CATEGORY C-H NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
C-H	C7.10	111	111	N/A	34	N/A	N/A	0	N/A	0	100.00%	30.63%	30.63%	30.63%
<b>Totals:</b>		<b>111</b>	<b>111</b>	<b>N/A</b>	<b>34</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>30.63%</b>	<b>30.63%</b>	<b>30.63%</b>

1. (C7.10) "% selected" exceeds 100% since Class 2 pressure tests are performed each inspection period.

**CATEGORY F-A NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
F-A	F1.10	465	119	20	0	59	60	0	89	0	25.59%	0.00%	0.00%	0.00%
F-A	F1.20	658	109	18	0	54	55	0	81	0	16.57%	0.00%	0.00%	0.00%
F-A	F1.30	370	41	7	0	20	21	0	30	0	11.08%	0.00%	0.00%	0.00%
F-A	F1.40	70	32	6	0	16	16	0	24	0	45.71%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>1563</b>	<b>301</b>	<b>49</b>	<b>0</b>	<b>150</b>	<b>151</b>	<b>0</b>	<b>225</b>	<b>0</b>	<b>19.26%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

1. (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**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
R-A	1	242	61	10	10	30	21	0	35	0	25.21%	16.39%	16.39%	16.39%
R-A	2	130	39	7	12	19	8	0	17	0	30.00%	30.77%	30.77%	30.77%
R-A	4	1364	139	23	12	69	58	0	92	0	10.19%	8.63%	8.63%	8.63%
R-A	5	71	9	2	0	4	5	0	6	0	12.68%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>1807</b>	<b>248</b>	<b>40</b>	<b>34</b>	<b>124</b>	<b>90</b>	<b>0</b>	<b>152</b>	<b>0</b>	<b>13.72%</b>	<b>13.71%</b>	<b>13.71%</b>	<b>13.71%</b>

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 2 - 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.)

**CATEGORY R-A SOCKET WELDS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
R-A	2	84	26	N/A	26	N/A	N/A	0	N/A	0	30.95%	100.00%	100.00%	100.00%
R-A	4	172	21	N/A	21	N/A	N/A	0	N/A	0	12.21%	100.00%	100.00%	100.00%
R-A	5	334	32	N/A	32	N/A	N/A	0	N/A	0	9.58%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>590</b>	<b>79</b>	<b>N/A</b>	<b>79</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>13.39%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

1. (Socket Welds) Socket welds for Examination Category R-A piping structural elements are listed separately from butt welds due to the fact that 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 % Selected distributions for the remainder of the Examination Category. However, socket welds are listed with the butt welds for Examination Category R-A exam selections in the "Ten Year Interval Schedule and Examination Status" report that follows.
2. (Socket Welds) For R-A socket welds, "% Selected" exceeds 100% since they are examined each outage.
3. (Socket Welds) Byron Unit 2 has 590 socket welds that fall within the scope of the RISI Program and 79 were selected to be examined. Socket welds that were selected for examination under the RISI program will be inspected with a VT-2 exam "each" refueling outage per ASME Code Case N-578-1, Table 1, footnote 12.

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 1 of 58)

**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Auxiliary Feedwater System (AF)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-AF-2-1	Hunter Corporation	N/A	N/A	N/A
2-AF-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Auxiliary Feedwater System (AF)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW87BA-3/2FW14002S	Pacific Scientific	16696	NA	NA
2FW87BB-3/2FW12001S	Pacific Scientific	13336	NA	NA
2FW87BB-3/2FW12001S	Pacific Scientific	13336	NA	NA

2

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-CS-2-1	Hunter Corporation	N/A	N/A	N/A
2-CS-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CS02AB-10/2CS03B021V	Hunter Corp.	N/A	NA	NA
2CS02AB-10/2CS03B026X	Hunter Corp.	N/A	NA	NA
2CS23AA-14/2SI06244X	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CS02AA-10/2CS03A012S	Pacific Scientific	25177	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-CV-2-1	Hunter Corporation	N/A	N/A	N/A
2-CV-2-10	Hunter Corporation	N/A	N/A	N/A
2-CV-2-2	Hunter Corporation	N/A	N/A	N/A
2-CV-2-3	Hunter Corporation	N/A	N/A	N/A
2-CV-2-4	Hunter Corporation	N/A	N/A	N/A
2-CV-2-5	Hunter Corporation	N/A	N/A	N/A
2-CV-2-6	Hunter Corporation	N/A	N/A	N/A
2-CV-2-7	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CV05B-8/2CV47010X	Hunter Corp.	N/A	NA	NA
2CV05CB-6/2CV08016X	Hunter Corp.	N/A	NA	NA
2CVA1A-6/2CV-CP1A	Hunter Corp.	N/A	NA	NA
2CVA5AA-2/2CV15030X	Hunter Corp.	N/A	NA	NA
2CVA5AA-2/2CV15031X	Hunter Corp.	N/A	NA	NA
2CVA5AA-2/2CV15043X	Hunter Corp.	N/A	NA	NA
2CVB7A-3/2CV06007V	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CV98C-8/C03	Hunter Corp.	2-CV-2-N5	NA	NA
2CV98C-8/C04	Hunter Corp.	2-CV-2-N5	NA	NA
2CVA3B-2/W-70	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-71	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-72	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-73	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-80	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-81	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA5AA-2/W-06	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA5AA-2/W-07	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA6AA-2/W-04	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA6AA-2/W-05	Hunter Corp.	2-CV-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

**3. Plant Unit:** 2      **4. Owner Certificate Of Authorization (if required):** N/A

**5. Commercial Service Date:** 08/22/87      **6. National Board Number for Unit:** N-200

**7. Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CVA7AA-2/W-06	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA7AA-2/W-07	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA7AA-2/W-08	Hunter Corp.	2-CV-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CV05CB-6/2CV08011S	Pacific Scientific	17623	NA	NA
2CV05CB-6/2CV08013S	Pacific Scientific	16611	NA	NA
2CV10CA-3/2CV03009S	Pacific Scientific	9264	NA	NA
2CV14EB-2/2CV36006S	Pacific Scientific	9869	NA	NA
2CV14EB-2/2CV36006S	Pacific Scientific	9869	NA	NA
2CV14EC-2/2CV40009S	Pacific Scientific	16682	NA	NA
2CV15E-3/4/2CV31020S	Pacific Scientific	3056	NA	NA
2CV16BD-3/4/2CV64025S	Lisega	03615873-005	NA	NA
2CV43BC-2/2CV13034S	Pacific Scientific	7275	NA	NA
2CVA7AA-2/2CV25012S	Pacific Scientific	8084	NA	NA
2CVA7AA-2/2CV25012S	Pacific Scientific	8084	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Fuel Pool Cooling System (AF)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-FC-2-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-FW-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

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(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DA-16/2FW02008X	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DB-16/C01	Hunter Corp.	2-FW-5-N5	NA	NA
2FW03DB-16/C02	Hunter Corp.	2-FW-5-N5	NA	NA
2FW03DB-16/C03	Hunter Corp.	2-FW-5-N5	NA	NA
2FW03DB-16/C04	Hunter Corp.	2-FW-5-N5	NA	NA
2FW03DC-16/C01	Hunter Corp.	2-FW-5-N5	NA	NA
2FW03DC-16/C02	Hunter Corp.	2-FW-5-N5	NA	NA
2FW81BC-6/C07	Hunter Corp.	2-FW-5-N5	NA	NA
2FW87CC-6/C01	Hunter Corp.	2-FW-5-N5	NA	NA
2FW87CC-6/C02	Hunter Corp.	2-FW-5-N5	NA	NA
2FW87CC-6/C03	Hunter Corp.	2-FW-5-N5	NA	NA

Note (1): Baseline Examination

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3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DA-16/2FW02012S	Pacific Scientific	2565	NA	NA
2FW03DD-16/2FW05022S	Pacific Scientific	8201	NA	NA
2FW87CA-6/2FW06002S	Pacific Scientific	25206	NA	NA
2FW87CA-6/2FW06002S	Pacific Scientific	25206	NA	NA
2FW87CA-6/2FW06005S	Pacific Scientific	3097	NA	NA
2FW87CA-6/2FW06008S	Pacific Scientific	3360	NA	NA
2FW87CC-6/2FW08018S	Pacific Scientific	21466	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 16 of 58)

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (If required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-MS-2-1	Hunter Corporation	N/A	N/A	N/A
2-MS-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2MS01AC-32-3/4/2MS07002C	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2MS01AA-30.25/C01	Hunter Corp.	2-MS-1-N5	NA	NA
2MS01AA-30.25/C06	Hunter Corp.	2-MS-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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(Name and Address of Plant)

3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2MS01AD-30.25/2MS08007-S1	Pacific Scientific	897	NA	NA
2MS01AD-30.25/2MS08007-S2	Pacific Scientific	2673	NA	NA
2MS07AA-28/2MS01074-S1	Pacific Scientific	13784	NA	NA
2MS07AA-28/2MS01074-S2	Pacific Scientific	13777	NA	NA
2MS07AA-28/2MS01079S	Pacific Scientific	13916	NA	NA
2MS07AD-28/2MS01083-S1	Pacific Scientific	20884	NA	NA
2MS07AD-28/2MS01083-S2	Pacific Scientific	2509	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Off Gas System (OG)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-OG-2-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Process Sampling System (PS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-PS-2-3	Hunter Corporation	N/A	N/A	N/A
2-PS-2-4	Hunter Corporation	N/A	N/A	N/A
2-PS-2-5	Hunter Corporation	N/A	N/A	N/A
2-PS-2-6	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Pressurizer (PZR)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY-01-S/PN-01	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-01-NIR	Westinghouse Corp.	1741	U-201441	W13582

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-RC-1-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-BA/S	Hunter Corp.	N/A	NA	NA
2RC-01-PA/L1	Hunter Corp.	N/A	NA	NA
2RC-01-PA/L2	Hunter Corp.	N/A	NA	NA
2RC-01-PA/L3	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01AA-29/J06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC-01-R/RPVS-A F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-B F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-C F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-D F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-E F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-F F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-G F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-H F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC03AA-27.5/J02A	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AA-27.5/J04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC13AA-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AB-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AC-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AD-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01A	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01B	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01C	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)

3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC14AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-09	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-10	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-11	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 28 of 58)

**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC16AA-2/W-06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AB-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AB-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AC-2/W-08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AD-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J09	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J10	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AA-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AA-1.5/W-05	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC22AC-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AC-1.5/W-06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AD-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AD-1.5/W-08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC26A-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC26A-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RC30AA-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01BA-2A/2RC01BA-A	Boeing	2RC01BA-A	NA	NA
2RC01BA-2A/2RC01BA-B	Boeing	2RC01BA-B	NA	NA
2RC01BB-2B/2RC01BB-A	Boeing	2RC01BB-A	NA	NA
2RC01BB-2B/2RC01BB-B	Boeing	2RC01BB-B	NA	NA
2RC01BC-2C/2RC01BC-A	Boeing	2RC01BC-A	NA	NA
2RC01BC-2C/2RC01BC-B	Boeing	2RC01BC-B	NA	NA
2RC01BD-2C/2RC01BD-A	Boeing	2RC01BD-A	NA	NA
2RC01BD-2C/2RC01BD-B	Boeing	2RC01BD-B	NA	NA
2RC08AC-3/4/2RC18003S	Pacific Scientific	23661	NA	NA
2RC08AC-3/4/2RC18003S	Pacific Scientific	23661	NA	NA
2RC14AC-2/2CV09028S	Pacific Scientific	7744	NA	NA
2RC16AD-2/2CV14001S	Pacific Scientific	18806	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC16AD-2/2CV14004S	Pacific Scientific	12054	NA	NA
2RC22AA-1.5/2RC16013S	Pacific Scientific	10169	NA	NA
2RC22AB-1.5/2RC17002S	Pacific Scientific	10195	NA	NA
2RC22AB-1.5/2RC17018S	Pacific Scientific	1374	NA	NA
2RC22AB-1.5/2RC17018S	Pacific Scientific	1374	NA	NA
2RC24AA-4/2RY06017S	Pacific Scientific	16666	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 32 of 58)

**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-RH-2-2	Hunter Corporation	N/A	N/A	N/A
2-RH-2-3	Hunter Corporation	N/A	N/A	N/A
2-RH-2-6	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 33 of 58)

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH03AA-8/2RH-CP1A	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As Required by the Provisions of the ASME Code Rules  
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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH12A-8/C17	Hunter Corp.	2-RH-2-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH02AA-8/2RH07011S	Pacific Scientific	10419	NA	NA
2RH02AA-8/2RH07012S	Pacific Scientific	15103	NA	NA
2RH02AA-8/2RH07013S	Pacific Scientific	14676	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)

3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Pressure Vessel (RPV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/N01-N18	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/N19-N36	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/N37-N54	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/S01-S18	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/S19-S36	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/S37-S54	Westinghouse Corp.	640-0012-51	B-09062	N-200

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Pressure Vessel (RPV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/CORE SUPP STRUCT	Westinghouse Corp.	640-0012-52	B-09062	N-200
2RC-01-R/INT ATTACH BELTLINE	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/INT ATTACH NONBELT	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPV INTERIOR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-A	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-A-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-B	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-B-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-C	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-C-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-D	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-D-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

**7. Components Inspected:** Reactor Pressure Vessel (RPV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/RPVN-E	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-E-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-F	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-F-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-G	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-G-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-H	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVN-H-NIR	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/WR-07	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/WR-16	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/WR-18	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/WR-29	Westinghouse Corp.	640-0012-51	B-09062	N-200

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Reactor Pressure Vessel (RPV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/WR-34	Westinghouse Corp.	640-0012-51	B-09062	N-200

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY03BA-6/FLG 1-12	Hunter Corp.	2-RC-1-N5	NA	NA
2RY03BA-6/FLG 1-12	Hunter Corp.	2-RC-1-N5	NA	NA
2RY8010A/INT SURF	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY01B-6/2RY06027X	Hunter Corp.	N/A	NA	NA
2RY01B-6/2RY06101C	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY01B-6/J08	Hunter Corp.	2-RC-1-N5	NA	NA
2RY01C-4/J01S	Westinghouse Corp.	2-RC-1-N5	NA	NA
2RY-01-S/PN-01-F1S	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-02-F2S	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-03-F3S	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-04-F4S	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-05-F5S	Westinghouse Corp.	1741	U-201441	W13582
2RY-01-S/PN-06-F6S	Westinghouse Corp.	1741	U-201441	W13582
2RY02A-6/J01S	Westinghouse Corp.	2-RC-1-N5	NA	NA
2RY03AA-6/J01S	Westinghouse Corp.	2-RC-1-N5	NA	NA
2RY03AB-6/J01S	Westinghouse Corp.	2-RC-1-N5	NA	NA
2RY03AC-6/J01S	Westinghouse Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY11A-14/J01S	Hunter Corp.	2-RC-1-N5	NA	NA
2RY11A-14/J08	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY01AA-4/2RY06018S	Pacific Scientific	9672	NA	NA
2RY02B-3/2RY09001S	Pacific Scientific	16625	NA	NA
2RY02B-3/2RY09077S	Hunter Corp.	23126	NA	NA
2RY02B-3/2RY09077S	Hunter Corp.	23126	NA	NA
2RY02B-3/2RY09100S	Pacific Scientific	9295	NA	NA
2RY02B-3/2RY09100S	Pacific Scientific	9295	NA	NA
2RY11A-14/2RY05010S	Pacific Scientific	12031	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Steam Generator Blowdown System (SD)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SD01CB- 2/2SD01003S	Lisega	03615873/008	NA	NA
2SD01CC- 2/2SD03002S	Pacific Scientific	17619	NA	NA
2SD01CE- 2/2SD22019S	Pacific Scientific	7059	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Steam Generator (SG)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-BC/BLT 1-32	Westinghouse Corp.	2097	U-201437	17
2RC-01-BD/BLT 1-32	Westinghouse Corp.	2098	U-201438	18

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Steam Generator (SG)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-BA/SGN-02	Westinghouse Corp.	2095	U-201435	15
2RC-01-BA/SGN-02-NIR	Westinghouse Corp.	2095	U-201435	15

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI08JA-1.5/FLG 1-4	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JB-1.5/FLG 1-4	Hunter Corp.	2-SI-1-N5	NA	NA
2SI8818C/BLT 1-16	Hunter Corp.	2-SI-1-N5	NA	NA
2SI8818C/INT SURF	Hunter Corp.	2-SI-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 49 of 58)

**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-SI-2-1	Hunter Corporation	N/A	N/A	N/A
2-SI-2-2	Hunter Corporation	N/A	N/A	N/A
2-SI-2-3	Hunter Corporation	N/A	N/A	N/A
2-SI-2-4	Hunter Corporation	N/A	N/A	N/A
2-SI-2-5	Hunter Corporation	N/A	N/A	N/A
2-SI-2-6	Hunter Corporation	N/A	N/A	N/A
2-SI-2-7	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As Required by the Provisions of the ASME Code Rules  
(Page 50 of 58)

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI02BA-6/2SI18A050X	Hunter Corp.	N/A	NA	NA
2SI02BA-6/2SI18A051X	Hunter Corp.	N/A	NA	NA
2SI02BA-6/2SI18A052X	Hunter Corp.	N/A	NA	NA
2SI04B-12/2PC-66A	Hunter Corp.	N/A	N/A	N/A
2SI05DC-6/2SI09014S	Hunter Corp.	20565/20555	NA	NA
2SI08JA-1-1/2/2SI24002X	Hunter Corp.	N/A	NA	NA
2SI08JA-1-1/2/2SI24010X	Hunter Corp.	N/A	NA	NA
2SI08JA-1-1/2/2SI25011X	Hunter Corp.	N/A	NA	NA
2SI08JA-1-1/2/2SI25013X	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)
2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI05AB-8/C01	Hunter Corp.	2-SI-2-N5	NA	NA
2SI08HA-2/W-01	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08HA-2/W-02	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08HA-2/W-03	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08HA-2/W-04	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08HA-2/W-05	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08HA-2/W-06	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-01	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-02	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-03	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-04	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-05	Hunter Corp.	2-SI-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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As Required by the Provisions of the ASME Code Rules

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(Name and Address of Owner)

**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

**7. Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI08JA-1.5/W-05A	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-05B	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-06	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-07	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-10	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-11	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-14	Hunter Corp.	2-SI-1-N5	NA	NA
2SI08JA-1.5/W-15	Hunter Corp.	2-SI-1-N5	NA	NA
2SI34A-8/C01	Hunter Corp.	2-SI-2-N5	NA	NA
2SI34A-8/C23	Hunter Corp.	2-SI-2-N5	NA	NA
2SI34A-8/C24	Hunter Corp.	2-SI-2-N5	NA	NA
2SI82AA-12/C04	Hunter Corp.	2-SI-2-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 53 of 58)

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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2      4. **Owner Certificate Of Authorization (if required):** N/A
5. **Commercial Service Date:** 08/22/87      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI82AA-12/C05	Hunter Corp.	2-SI-2-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555

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**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI02BA-6/2SI18A049S	Pacific Scientific	16651	NA	NA
2SI03BB-4/2SI13026S	Pacific Scientific	4401	NA	NA
2SI03CB-2/2SI13027S	Pacific Scientific	13329	NA	NA
2SI03CB-2/2SI13027S	Pacific Scientific	13329	NA	NA
2SI05DC-6/2SI09014-S1	Pacific Scientific	20565	NA	NA
2SI05DC-6/2SI09014-S2	Pacific Scientific	20555	NA	NA
2SI08JC-1.5/2SI20001S	Pacific Scientific	17505	NA	NA
2SI08JC-1.5/2SI20001S	Pacific Scientific	17505	NA	NA
2SI08JC-1.5/2SI20003S	Pacific Scientific	8032	NA	NA
2SI08JC-1.5/2SI20003S	Pacific Scientific	8032	NA	NA
2SI18ED-2/2SI16037S	Pacific Scientific	7572	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010

(Name and Address of Plant)

**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-SX-2-1	Hunter Corporation	N/A	N/A	N/A
2-SX-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. **Plant Unit:** 2                      4. **Owner Certificate Of Authorization (If required):** N/A
5. **Commercial Service Date:** 08/22/87                      6. **National Board Number for Unit:** N-200
7. **Components Inspected:** Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SX06FA-10/2SX06029A	Hunter Corp.	N/A	N/A	N/A
2SX09BA-10/2SX08027X	Hunter Corp.	N/A	NA	NA
2SX09BB-10/2SX09072X	Hunter Corp.	N/A	NA	NA

Note (1): Baseline Examination

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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**1. Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555  
(Name and Address of Owner)**2. Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)**3. Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A**5. Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200**7. Components Inspected:** Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SX07FA-16/C10A	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

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(BACK)

8. Examination Dates: 10/12/05 to 05/03/07
9. Inspection Period Identification: First Inspection Period
10. Inspection Interval Identification: Third Inspection Interval
11. Applicable Edition of Section XI: 2001 Addenda 2003
12. Date / Revision of Inspection Plan: 08/01/06 / 1
13. Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.  
Refer to the Outage Summary Report and ISI Program Plan
14. Abstract of Results of Examinations and Tests.  
Refer to the Outage Summary Report
15. Abstract of Corrective Measures.  
Refer to the Outage Summary Report

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable): N/A Expiration Date: N/A

Date: \_\_\_\_\_

Signed for: Exelon Generation Company

By: \_\_\_\_\_

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford CT. have inspected the components described in this Owner's Report during the period 10/12/05 to 05/03/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

\_\_\_\_\_  
Inspectors SignatureCommissions: ILL-1254 Date: \_\_\_\_\_, 20 \_\_\_\_\_

National Board, State, Province, and Endorsements