

Public Service  
Electric and Gas  
Company

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Vice President - Nuclear Operations

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United States Nuclear Regulatory Commission  
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Washington, DC 20555

Gentlemen:

REVISED SCHEDULE FOR GENERIC LETTER 88-01  
INSPECTION OF IGSCC SUSCEPTIBLE WELDMENTS  
DOCKET NO. 50-354  
HOPE CREEK GENERATING STATION

The Public Service Electric and Gas Company (PSE&G) July 29, 1988 response to Generic Letter (GL) 88-01 included a commitment to examine all the areas susceptible to IGSCC during the next (the second) refueling outage and every two refueling outages thereafter. This commitment was based upon, and satisfied the requirements of, GL 88-01.

On March 24, 1989, the NRC requested additional information related to the generic letter, including welds to be inspected during future refueling outages. PSE&G's response, dated June 2, 1989, included, as Table A, a schedule of welds to be inspected. This schedule showed 16 susceptible areas which were inspected during the second midcycle outage and four susceptible areas which were planned to be, and subsequently were, inspected during the second refueling outage. This schedule also indicated that future inspections would be performed at the third and fifth refueling outages (sooner than required by our original commitment in our July 29, 1988 letter).

The revised schedule was based upon the premise that containment Integrated Leak Rate Testing (ILRT) would be performed during the second, fourth, and sixth refueling outages and that the GL 88-01 inspections would be accomplished at the odd numbered outages, such that two major work scopes would not be performed during the same refueling outages. The current Hope Creek Operating Schedule which is driven, in part, by the date for the required 10 year plant inservice inspection, shows ILRTs scheduled for the fifth and seventh refueling outages. This ILRT schedule conflicts with our projected GL 88-01 inspections, such that they would have to be completed concurrently with the ILRT inspections.

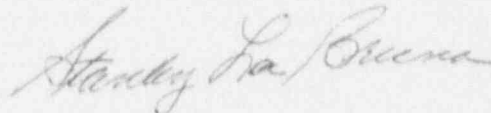
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To minimize the impact on our inspection resources, we are, therefore, revising our plans for the examination for IGSCC susceptible weldments back to our original proposed schedule shown in the attached Table A. This table now shows the results and dates of our previous GL 88-01 inspections and a revised schedule where all IGSCC susceptible weldments (now all classified as category D) will be inspected during the fourth and sixth refueling outages.

Should you have any questions with regard to this submittal, we will be pleased to discuss them with you.

Sincerely,



Attachment

C Mr. T. T. Martin, Administrator  
USNRC Region I

Mr. S. Dembek  
USNRC Licensing Project Manager

Mr. T. P. Johnson  
USNRC Senior Resident Inspector

Mr. K. Tosch, Chief  
Bureau of Nuclear Engineering  
New Jersey Department of Environmental Protection

TABLE A

SCHEDULE OF WELDS  
AND  
IGSCC MITIGATIVE ACTIONS & TREATMENTS

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Pressure Vessel Nozzles												
WELD RPV1-N1ASE NOZZLE TO SAFE END	28.000	SA-508 CL.2 * (see note under material) SA-182 F304L		D A	A-18	03/01/89	NO FLAWS			X		X
WELD RPV1-N1BSE NOZZLE TO SAFE END	28.000	SA-508 CL.2 * (see note under material) SA-182 F304L		D A	A-16	03/02/89	NO FLAWS			X		X
WELD RPV1-N2ASE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-17	03/02/89	NO FLAWS			X		X
WELD RPV1-N2BSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-17	02/25/89	NO FLAWS			X		X
WELD RPV1-N2CSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-17	02/25/89	NO FLAWS			X		X
WELD RPV1-N2DSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-17	02/25/89	NO FLAWS			X		X
WELD RPV1-N2ESE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-17	02/25/89	NO FLAWS			X		X
WELD RPV1-N2FSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-19	02/25/89	NO FLAWS			X		X
WELD RPV1-N2GSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-19	02/25/89	NO FLAWS			X		X
WELD RPV1-N2HSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-19	02/27/89	NO FLAWS			X		X
WELD RPV1-N2JSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-19	02/25/89	NO FLAWS			X		X

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Pressure Vessel Nozzles (continued)												
WELD RPV1-N2KSE SAFE END TO NOZZLE	12.000	SA-182 F316L * (see note under material) SA-508 CL.2		A D	A-19	02/25/89	NO FLAWS		X		X	
WELD RPV1-N5ASE NOZZLE TO SAFE END	10.000	SA-508 CL.2 * (see note under material) SB-166		D D	A-33	03/02/89	NO FLAWS		X		X	
WELD RPV1-N5ASEX SAFE END TO SAFE END EXTENSION	10.000	SB-166 * (see note under material) SA-508 CL.2		D D	A-33	03/02/89	NO FLAWS		X		X	
WELD RPV1-N5BSE NOZZLE TO SAFE END	10.000	SA-508 CL.2 * (see note under material) SB-166		D D	A-34	03/02/89	NO FLAWS		X		X	
WELD RPV1-N5BSEX SAFE END TO SAFE END EXTENSION	10.000	SB-166 * (see note under material) SA-508 CL.2		D D	A-34	03/02/89	NO FLAWS		X		X	
WELD RPV1-N8BASE NOZZLE TO SAFE END	4.000	SA-508 CL.2 * (see note under material) SA-182 F304L		D A	A-43	10/04/89	NO FLAWS		X		X	
WELD RPV1-N8BSE NOZZLE TO SAFE END	4.000	SA-508 CL.2 * (see note under material) SA-182 F304L		D A	A-43	10/04/89	NO FLAWS		X		X	
WELD RPV1-N9SE NOZZLE TO CAP	4.000	SA-508 CL.2 * (see note under material) SB-166		D D		10/05/89	NO FLAWS		X		X	
Jet Pump Instrumentation Penetration Seals												
WELD N8A1 SAFE END TO PIPE	4.000	SA-182 F304L ROOT SFA-5.9 ER308L SA-312 TP304L		A A A	A-43						X	
WELD N8A2 PIPE TO PENETRATION SEAL	4.000	SA-312 TP304L ROOT SFA-5.9 ER308L SA-182 F316L		A A A	A-43						X	



PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)												
								2nd	3rd	4th	5th	6th								
Jet Pump Instrumentation Penetration Seals (continued)																				
WELD NBB1 SAFE END TO PIPE	4.000	SA-182 F304L ROOT SFA-5.9 ER308L SA-312 TP304L		A A A	A-43															X
WELD NBB2 PIPE TO PENETRATION SEAL	4.000	SA-312 TP304L ROOT SFA-5.9 ER308L SA-182 F316L		A A A	A-43															X
Reactor Recirculation System (BB)																				
1-BB-28VCA-011 WELD 1 SAFE END TO PIPE	28.000	SA-182 F304L ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A A A	A-16															X
1-BB-28VCA-011 WELD 1LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16															X
1-BB-28VCA-011 WELD 2 PIPE TO ELBOW	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-16															
1-BB-28VCA-011 WELD 2LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16															
1-BB-28VCA-011 WELD 2LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16															
1-BB-28VCA-011 WELD 2LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16															
1-BB-28VCA-011 WELD 3 ELBOW TO PIPE	28.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-16															
1-BB-28VCA-011 WELD 3LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16															
1-BB-28VCA-011 WELD 3LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16															
1-BB-28VCA-011 WELD 3LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16															

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-28VCA-011 WELD 4 PIPE TO TEE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-403 WP304	CRC	A	A-16										
			CRC	A											
1-BB-28VCA-011 WELD 4LD TEE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-28VCA-011 WELD 4LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-28VCA-011 WELD 5 TEE TO PIPE	28.000	A-403 WP304  A-358 CL.1 304	SHT	A	A-16										
			SHT	A											
			SHT	A											
1-BB-28VCA-011 WELD 5LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-28VCA-011 WELD 5LU TEE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-28VCA-011 WELD 6 PIPE TO PIPE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A	A-16										
			CRC	A											
1-BB-28VCA-011 WELD 6LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-28VCA-011 WELD 6LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-28VCA-011 WELD 7 PIPE TO ELBOW	28.000	A-358 CL.1 304  A-403 WP304	SHT	A	A-16										
			SHT	A											
			SHT	A											
1-BB-28VCA-011 WELD 7LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-28VCA-011 WELD 7LD0 ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-28VCA-011 WELD 7LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-2BVCA-011 WELD 8 ELBOW TO VALVE BB-V004	28.000	A-403 WP304 ROOT SFA-5.9 ER308L SA-351 CF8M	CRC	A	A-16										
1-BB-2BVCA-011 WELD 8LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-2BVCA-011 WELD 8LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-2BVCA-011 WELD 9 VALVE BB-V004 TO PIPE	28.000	SA-351 CF8M ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A	A-16										
1-BB-2BVCA-011 WELD 9BC1 PIPE TO S.W. NOZZLE	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16										
1-BB-2BVCA-011 WELD 9BC2 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16										
1-BB-2BVCA-011 WELD 9BC3 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16										
1-BB-2BVCA-011 WELD 9LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-2BVCA-011 WELD 10 PIPE TO ELBOW	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-16										
1-BB-2BVCA-011 WELD 10LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-2BVCA-011 WELD 10LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-2BVCA-011 WELD 10LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										



PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-28VCA-011 WELD 11 ELBOW TO PUMP BP-201	28.000	A-403 WP304 ROOT SFA-5.9 ER308L SA-351 CFBM	CRC	A	A-16										
1-BB-28VCA-011 WELD 11LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-28VCA-011 WELD 11LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16										
1-BB-4VCA-011 WELD 1 WELDOLET TO PIPE	4.000	A-182 F304 A-376 TP304	SHT SHT SHT	A A A	A-16										
1-BB-4VCA-011 WELD 2 PIPE TO FLANGE	4.000	A-376 TP304 A-182 F316	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-012 WELD 1 SAFE END TO PIPE	28.000	SA-182 F304L ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A	A-18	03/02/89	NO FLAWS								
1-BB-28VCA-012 WELD 1LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18	03/01/89	NO FLAWS								
1-BB-28VCA-012 WELD 2 PIPE TO ELBOW	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-18	02/25/89	NO FLAWS								
1-BB-28VCA-012 WELD 2LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18	02/25/89	NO FLAWS								
1-BB-28VCA-012 WELD 2LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18	02/25/89	NO FLAWS								
1-BB-28VCA-012 WELD 2LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18	02/25/89	NO FLAWS								
1-BB-28VCA-012 WELD 3 ELBOW TO PIPE	28.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-18										

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	
Reactor Recirculation System (BB) (continued)													
1-BB-28VCA-012 WELD 3LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 3LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-28VCA-012 WELD 3LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-28VCA-012 WELD 4 PIPE TO PIPE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-18								
1-BB-28VCA-012 WELD 4LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 4LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 5 PIPE TO PIPE	28.000	A-358 CL.1 304 A-358 CL.1 304	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-012 WELD 5LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 5LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 6 PIPE TO PIPE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-18								
1-BB-28VCA-012 WELD 6LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 6LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 7 PIPE TO ELBOW	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-18	03/15/88	NO FLAWS						

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-28VCA-012 WELD 7LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18	03/15/88	NO FLAWS						
1-BB-28VCA-012 WELD 7LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18	03/15/88	NO FLAWS						
1-BB-28VCA-012 WELD 7LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18	03/15/88	NO FLAWS						
1-BB-28VCA-012 WELD 8 ELBOW TO VALVE BB-V001	28.000	A-403 WP304 ROOT SFA-5.9 ER308L SA-351 CF8M	CRC	A A A	A-18								
1-BB-28VCA-012 WELD 8LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-28VCA-012 WELD 8LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-28VCA-012 WELD 9 VALVE BB-V001 TO PIPE	28.000	SA-351 CF8M ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A A A	A-18								
1-BB-28VCA-012 WELD 9BC1 PIPE TO S.W. NOZZLE	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-012 WELD 9BC2 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-012 WELD 9BC3 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-012 WELD 9LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-28VCA-012 WELD 10 PIPE TO ELBOW	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-18							X	

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING GEAR AGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-28VCA-012 WELD 10LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								X
1-BB-28VCA-012 WELD 10LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								X
1-BB-28VCA-012 WELD 10LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18								X
1-BB-28VCA-012 WELD 11 ELBOW TO PUMP AP-201	28.000	A-403 WP304 ROOT SFA-5.9 ER308L SA-351 CFBM	CRC	A A A	A-18								
1-BB-28VCA-012 WELD 11LUI ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-28VCA-012 WELD 11LUO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18								
1-BB-4VCA-012 WELD 1 WELDOLET TO PIPE	4.000	A-182 F304 A-376 TP304	SHT SHT SHT	A A A	A-18								
1-BB-4VCA-012 WELD 2 PIPE TO FLANGE	4.000	A-376 TP304 A-182 F316	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-013 WELD 1 PUMP AP-201 TO PIPE	28.000	SA-351 CFBM ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A A A	A-18	03/15/88	NO FLAWS						
1-BB-28VCA-013 WELD 1BC1 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18								
1-BB-28VCA-013 WELD 1LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18	03/16/88	NO FLAWS						
1-BB-28VCA-013 WELD 2 PIPE TO VALVE BB-V002	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-351 CFBM	CRC	A A A	A-18								

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-28VCA-013 WELD 2LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18							
1-BB-28VCA-013 WELD 3 VALVE BB-V002 TO ELBOW	28.000	SA-351 CF8M ROOT SFA-5.9 ER308L A-403 WP304	CRC	A	A-18							
1-BB-28VCA-013 WELD 3LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18							
1-BB-28VCA-013 WELD 3LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-18							
1-BB-28VCA-013 WELD 4 ELBOW TO PIPE	28.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-18	10/09/89	NO FLAWS					
1-BB-28VCA-013 WELD 4BC1 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18							
1-BB-28VCA-013 WELD 4LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18	09/29/89	NO FLAWS					
1-BB-28VCA-013 WELD 4LUI ELBOW INSIDE RADIUS	28.000	A-403 WP304	SHT SHT SHT	A A A	A-18	09/30/89	NO FLAWS					
1-BB-28VCA-013 WELD 4LUO ELBOW OUTSIDE RADIUS	28.000	A-403 WP304	SHT SHT SHT	A A A	A-18	09/29/89	NO FLAWS					
1-BB-28VCA-013 WELD 5 PIPE TO PIPE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-18							
1-BB-28VCA-013 WELD 5LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18							
1-BB-28VCA-013 WELD 5LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18							



PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-28VCA-013 WELD 6 PIPE TO TEE	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-18						X				
1-BB-28VCA-013 WELD 6LD TEE SEAM	28.000	A-403 WP304	SHT	A	A-18						X				
1-BB-28VCA-013 WELD 6LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-18						X				
1-BB-28VCA-013 WELD 7 TEE TO CROSS	28.000	A-403 WP304 ROOT SFA-5.9 ER308L A-403 WP304	CRC CRC	A A A	A-18						X				
1-BB-28VCA-013 WELD 7LD CROSS SEAM	28.000	A-403 WP304	SHT	A	A-18						X				
1-BB-28VCA-013 WELD 7LU TEE SEAM	28.000	A-403 WP304	SHT	A	A-18						X				
1-BB-28VCA-013 WELD 3 CROSS TO REDUCER	28.000	A-403 WP304 A-403 WP304	SHT SHT SHT	A A A	A-18										
1-BB-28VCA-013 WELD 8LU CROSS SEAM	28.000	A-403 WP304	SHT	A	A-18										
1-BB-22VCA 013 WELD 1 CROSS TO PIPE	22.000	A-403 WP304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A A	A-18										
1-BB-22VCA-013 WELD 18C1 PIPE TO SWEEPOLET	22.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18									X	
1-BB-22VCA-013 WELD 18C2 PIPE TO SWEEPOLET	22.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-18										
1-BB-22VCA-013 WELD 1LD PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-18										

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-22VCA-013 WELD 2 PIPE TO CAP	22.000	A-358 CL.1 304	SHT	A	A-18								
		A-403 WP304	SHT	A									
			SHT	A									
1-BB-22VCA-013 WELD 2LU PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-22VCA-013 WELD 3 CROSS TO PIPE	22.000	A-403 WP304	CRC	A	A-18								
		ROOT SFA-5.9 ER308L		A									
		A-358 CL.1 304	CRC	A									
1-BB-22VCA-013 WELD 3BC1 PIPE TO SWEEPolet	22.000	A-358 CL.1 304	SHT	A	A-18							X	
		A-182 F304	SHT	A									
			SHT	A									
1-BB-22VCA-013 WELD 3BC2 PIPE TO SWEEPolet	22.000	A-358 CL.1 304	SHT	A	A-18							X	
		A-182 F304	SHT	A									
			SHT	A									
1-BB-22VCA-013 WELD 3LD PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-22VCA-013 WELD 4 PIPE TO CAP	22.000	A-358 CL.1 304	SHT	A	A-18								
		A-403 WP304	SHT	A									
			SHT	A									
1-BB-22VCA-013 WELD 4LU PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-18								
1-BB-4VCA-013 WELD 1 WELDLET TO CAP	4.000	A-182 F304	SHT	A	A-18								
		A-182 F304	SHT	A									
			SHT	A									
1-BB-4VCA-013 WELD 2 WELDLET TO CAP	4.000	A-182 F304	SHT	A	A-18								
		A-182 F304	SHT	A									
			SHT	A									
1-BB-12VCA-013F WELD 1 SWEEPolet TO PIPE	12.000	A-182 F304	SHT	A	A-19								
		A-358 CL.1 304	SHT	A									
			SHT	A									
1-BB-12VCA-013F WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-12VCA-013F WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A	A-19										
			CRC	A											
1-BB-12VCA-013F WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013F WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013F WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304  A-403 WP304	SHT	A	A-19										
			SHT	A											
			SHT	A											
1-BB-12VCA-013F WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013F WELD 3LDO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013F WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013F WELD 4 ELBOW TO PIPE	12.000	A-403 WP304  A-358 CL.1 304	SHT	A	A-19										
			SHT	A											
			SHT	A											
1-BB-12VCA-013F WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013F WELD 4LU1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013F WELD 4LUD ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013F WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A	A-19										
				A											
				A											
1-BB-12VCA-013F WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19									X	

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-12VCA-013G WELD 1 SWEEPolet TO PIPE	12.000	A-182 F304	SHT	A	A-19							
		A-358 CL.1 304	SHT	A								
			SHT	A								
1-BB-12VCA-013G WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013G WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304	CRC	A	A-19							
		ROOT SFA-5.9 ER308L	CRC	A								
		A-358 CL.1 304										
1-BB-12VCA-013G WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013G WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013G WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304	SHT	A	A-19							
		A-403 WP304	SHT	A								
			SHT	A								
1-BB-12VCA-013G WELD 3LDT ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							
1-BB-12VCA-013G WELD 3LDO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							
1-BB-12VCA-013G WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013G WELD 4 ELBOW TO PIPE	12.000	A-403 WP304	SHT	A	A-19							
		A-358 CL.1 304	SHT	A								
			SHT	A								
1-BB-12VCA-013G WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013G WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							
1-BB-12VCA-013G WELD 4LUO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-12VCA-013G WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A	A-19						X	
1-BB-12VCA-013G WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19						X	
1-BB-12VCA-013H WELD 1 REDUCER TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-19							
1-BB-12VCA-013H WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013H WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-19							
1-BB-12VCA-013H WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013H WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013H WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-19							
1-BB-12VCA-013H WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							
1-BB-12VCA-013H WELD 3LD0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19							
1-BB-12VCA-013H WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							
1-BB-12VCA-013H WELD 4 ELBOW TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-19							
1-BB-12VCA-013H WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							



PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-12VCA-013H WELD 4LU1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013H WELD 4LU0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013H WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-19							X	
1-BB-12VCA-013H WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19							X	
1-BB-12VCA-013J WELD 1 SMEEPOLET TO PIPE	12.000	A-182 F304 A-358 CL.1 304	SHT SHT SHT	A A A	A-19								
1-BB-12VCA-013J WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013J WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-19								
1-BB-12VCA-013J WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013J WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013J WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-19								
1-BB-12VCA-013J WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013J WELD 3LD0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013J WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-12VCA-013J WELD 4 ELBOW TO PIPE	12.000	A-403 WP304	SHT	A	A-19								
		A-358 CL.1 304	SHT	A									
			SHT	A									
1-BB-12VCA-013J WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013J WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013J WELD 4LUO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								
1-BB-12VCA-013J WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304	CRC	A	A-19	03/01/89	NO FLAWS						
		ROOT SFA-5.9 ER308L		A									
		SA-182 F316L		A									
1-BB-12VCA-013J WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19	03/01/89	NO FLAWS						
1-BB-12VCA-013K WELD 1 SWEEPLET TO PIPE	12.000	A-182 F304	SHT	A	A-19								
		A-358 CL.1 304	SHT	A									
			SHT	A									
1-BB-12VCA-013K WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013K WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304	CRC	A	A-19								
		ROOT SFA-5.9 ER308L		A									
		A-358 CL.1 304	CRC	A	-								
1-BB-12VCA-013K WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013K WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19								
1-BB-12VCA-013K WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304	SHT	A	A-19								
		A-403 WP304	SHT	A									
			SHT	A									
1-BB-12VCA-013K WELD 3LDI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19								

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	P/T/E S/ZL (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-12VCA-013K WELD 3LD0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013K WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013K WELD 4 ELBOW TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-19										
1-BB-12VCA-013K WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19										
1-BB-12VCA-013K WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013K WELD 4LU0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-19										
1-BB-12VCA-013K WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-19	03/01/89	NO FLAWS								
1-BB-12VCA-013K WELD 5.J PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-19	03/01/89	NO FLAWS								
1-BB-28VCA-014 WELD 1 PUMP BP-201 TO PIPE	28.000	SA-351 CF8M ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A A A	A-16	09/30/89	NO FLAWS								
1-BB-28VCA-014 WELD 1BC1 PIPE TO WELDOLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-014 WELD 1LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16	09/30/89	NO FLAWS								
1-BB-28VCA-014 WELD 2 PIPE TO VALVE BB-V005	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-351 CF8M	CRC	A A A	A-16										
1-BB-28VCA-014 WELD 2LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-28VCA-014 WELD 3 VALVE BB-V005 TO ELBOW	28.000	SA-351 CF8M ROOT SFA-5.9 ER308L A-403 WP304	CRC	A	A-16						X				
1-BB-28VCA-014 WELD 3LD1 ELBOW INSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16						X				
1-BB-28VCA-014 WELD 3LDO ELBOW OUTSIDE SEAM	28.000	A-403 WP304	SHT	A	A-16						X				
1-BB-28VCA-014 WELD 4 ELBOW TO PIPE	28.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-014 WELD 4BC1 PIPE TO WELDLET	28.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-014 WELD 4LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16										
1-BB-28VCA-014 WELD 4LUI ELBOW INSIDE RADIUS	28.000	A-403 WP304	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-014 WELD 4LUO ELBOW OUTSIDE RADIUS	28.000	A-403 WP304	SHT SHT SHT	A A A	A-16										
1-BB-28VCA-014 WELD 5 PIPE TO PIPE	28.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-16	03/15/88	NO FLAWS								
1-BB-28VCA-014 WELD 5LD PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16	03/15/88	NO FLAWS								
1-BB-28VCA-014 WELD 5LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16	03/15/88	NO FLAWS								
1-BB-28VCA-014 WELD 6 PIPE TO TEE	28.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-16										

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-28VCA-014 WELD 6LD TEE SEAM	28.000	A-403 WP304	SHT	A	A-16								
1-BB-28VCA-014 WELD 6LU PIPE SEAM	28.000	A-358 CL.1 304	SHT	A	A-16								
1-BB-28VCA-014 WELD 7 TEE TO CROSS	28.000	A-403 WP304 ROOT SFA-5.9 ER308L A-403 WP304	CRC	A	A-16								
			CRC	A									
1-BB-28VCA-014 WELD 7LD CROSS SEAM	28.000	A-403 WP304	SHT	A	A-16								
1-BB-28VCA-014 WELD 7LU TEE SEAM	28.000	A-403 WP304	SHT	A	A-16								
1-BB-28VCA-014 WELD 8 CROSS TO REDUCER	28.000	A-403 WP304 A-403 WP304	SHT	A	A-16								
			SHT	A									
			SHT	A									
1-BB-28VCA-014 WELD 8LU CROSS SEAM	28.000	A-403 WP304	SHT	A	A-16								
1-BB-22VCA-014 WELD 1 CROSS TO PIPE	22.000	A-403 WP304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A	A-16								
			CRC	A									
1-BB-22VCA-014 WELD 18C1 PIPE TO SWEEPolet	22.000	A-358 CL.1 304 A-182 F304	SHT	A	A-16						X		
			SHT	A									
			SHT	A									
1-BB-22VCA-014 WELD 18C2 PIPE TO SWEEPolet	22.000	A-358 CL.1 304 A-182 F304	SHT	A	A-16						X		
			SHT	A									
			SHT	A									
1-BB-22VCA-014 WELD 1LD PIPE SEAM	22.000	A-358 CL.1 3/4	SHT	A	A-16								
1-BB-22VCA-014 WELD 2 PIPE TO CAP	22.000	A-358 CL.1 304 A-403 WP304	SHT	A	A-16								
			SHT	A									
			SHT	A									



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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-22VCA-014 WELD 2LU PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-16							
1-BB-22VCA-014 WELD 3 CROSS TO PIPE	22.000	A-403 WP304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-16							
1-BB-22VCA-014 WELD 3BC1 PIPE TO SWEEPolet	22.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16				X			
1-BB-22VCA-014 WELD 3BC2 PIPE TO SWEEPolet	22.000	A-358 CL.1 304 A-182 F304	SHT SHT SHT	A A A	A-16							
1-BB-22VCA-014 WELD 3LD PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-16							
1-BB-22VCA-014 WELD 4 PIPE TO CAP	22.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-16							
1-BB-22VCA-014 WELD 4LU PIPE SEAM	22.000	A-358 CL.1 304	SHT	A	A-16							
1-BB-4VCA-014 WELD 1 WELDOLET TO CAP	4.000	A-182 F304 A-182 F304	SHT SHT SHT	A A A	A-16							
1-BB-4VCA-014 WELD 2 WELDOLET TO CAP	4.000	A-182 F304 A-182 F304	SHT SHT SHT	A A A	A-16							
1-BB-12VCA-014A WELD 1 SWEEPolet TO PIPE	12.000	A-182 F304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17							
1-BB-12VCA-014A WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014A WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-17							

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Recirculation System (BB) (continued)													
1-BB-12VCA-014A WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17								
1-BB-12VCA-014A WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17								
1-BB-12VCA-014A WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-17				X				
1-BB-12VCA-014A WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17					X			
1-BB-12VCA-014A WELD 3LDO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17					X			
1-BB-12VCA-014A WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17						X		
1-BB-12VCA-014A WELD 4 ELBOW TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17								
1-BB-12VCA-014A WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17								
1-BB-12VCA-014A WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17								
1-BB-12VCA-014A WELD 4LUO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17								
1-BB-12VCA-014A WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-17	03/01/89	NO FLAWS						
1-BB-12VCA-014A WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17	03/01/89	NO FLAWS						
1-BB-12VCA-014B WELD 1 SWEEPolet TO PIPE	12.000	A-182 F304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17								

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (88) (continued)															
1-BB-12VCA-014B WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014B WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304	CRC	A	A-17										
		ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC	A											
1-BB-12VCA-014B WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014B WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014B WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304	SHT	A	A-17										
		A-403 WP304	SHT	A											
			SHT	A											
1-BB-12VCA-014B WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014B WELD 3LDO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014B WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014B WELD 4 ELBOW TO PIPE	12.000	A-403 WP304	SHT	A	A-17										
		A-358 CL.1 304	SHT	A											
			SHT	A											
1-BB-12VCA-014B WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014B WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014B WELD 4LUO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014B WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304	CRC	A	A-17	03/01/89	NO FLAWS								
		ROOT SFA-5.9 ER308L		A											
		SA-182 F316L		A											

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Reactor Recirculation System (BB) (continued)															
1-BB-12VCA-014B WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17	03/01/89	NO FLAWS								
1-BB-12VCA-014C WELD 1 REDUCER TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17										
1-BB-12VCA-014C WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014C WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-17										
1-BB-12VCA-014C WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014C WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014C WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-17										
1-BB-12VCA-014C WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014C WELD 3LD0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										
1-BB-12VCA-014C WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014C WELD 4 ELBOW TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17										
1-BB-12VCA-014C WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17										
1-BB-12VCA-014C WELD 4LU1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17										

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-12VCA-014C WELD 4LU0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014C WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-17	03/01/89	NO FLAWS					
1-BB-12VCA-014C WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17	03/01/89	NO FLAWS					
1-BB-12VCA-014D WELD 1 SWEEPOLET TO PIPE	12.000	A-182 F304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17							
1-BB-12VCA-014D WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014D WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-17							
1-BB-12VCA-014D WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014D WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014D WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-17							
1-BB-12VCA-014D WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014D WELD 3LDO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014D WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014D WELD 4 ELBOW TO PIPE	12.000	A-403 WP304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17							



PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-12VCA-014D WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014D WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014D WELD 4LUD ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014D WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-17						X	
1-BB-12VCA-014D WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17						X	
1-BB-12VCA-014E WELD 1 SWEEPolet TO PIPE	12.000	A-182 F304 A-358 CL.1 304	SHT SHT SHT	A A A	A-17							
1-BB-12VCA-014E WELD 1LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014E WELD 2 PIPE TO PIPE	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L A-358 CL.1 304	CRC CRC	A A	A-17							
1-BB-12VCA-014E WELD 2LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014E WELD 2LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014E WELD 3 PIPE TO ELBOW	12.000	A-358 CL.1 304 A-403 WP304	SHT SHT SHT	A A A	A-17							
1-BB-12VCA-014E WELD 3LD1 ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014E WELD 3LD0 ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Reactor Recirculation System (BB) (continued)												
1-BB-12VCA-014E WELD 3LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014E WELD 4 ELBOW TO PIPE	12.000	A-403 WP304	SHT	A	A-17							
		A-358 CL.1 304	SHT	A								
			SHT	A								
1-BB-12VCA-014E WELD 4LD PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							
1-BB-12VCA-014E WELD 4LUI ELBOW INSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014E WELD 4LUO ELBOW OUTSIDE SEAM	12.000	A-403 WP304	SHT	A	A-17							
1-BB-12VCA-014E WELD 5 PIPE TO SAFE END	12.000	A-358 CL.1 304 ROOT SFA-5.9 ER308L SA-182 F316L	CRC	A A A	A-17							X
1-BB-12VCA-014E WELD 5LU PIPE SEAM	12.000	A-358 CL.1 304	SHT	A	A-17							X
Residual Heat Removal System (BC)												
1-BC-60BA-003 WELD 25 NOZZLE TO FLANGE	6.000	SA-508 CL.2 * (see note under material) SA-508 CL.2		D	A-25	10/14/89	NO FLAWS			X		X
1-BC-12DLA-021 WELD 13 PIPE TO PIPE	12.000	SA-358 CL.1 304L SFA-5.14 ERNiCr-3 SA-333 GR.6		A A	A-29	09/28/89	NO FLAWS					
1-BC-12DLA-069 WELD 13 PIPE TO PIPE	12.000	SA-358 CL.1 304L SFA-5.14 ERNiCr-3 SA-333 GR.6		A A	A-32	10/10/89	NO FLAWS					
1-BC-20CCA-114 WELD 1 TEE TO PIPE	20.000	A-403 WP304 ROOT SFA-5.9 ER308L SA-358 CL.1 304L	CRC	A A A	A-26							X

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)				
								2nd	3rd	4th	5th	6th
Residual Heat Removal System (BC) (continued)												
1-BC-20CCA-114 WELD 1LD PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26						X	
1-BC-20CCA-114 WELD 2 PIPE TO TEE	20.000	SA-358 CL.1 304L SFA-5.9 ER308L SA-403 WP304L		A A A	A-26						X	
1-BC-20CCA-114 WELD 2LD1 TEE INSIDE SEAM	20.000	SA-403 WP304L		A	A-26						X	
1-BC-20CCA-114 WELD 2LDO TEE OUTSIDE SEAM	20.000	SA-403 WP304L		A	A-26						X	
1-BC-20CCA-114 WELD 2LU PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26						X	
1-BC-20CCA-114 WELD 3 TEE TO PIPE	20.000	SA-403 WP304L ROOT SFA-5.9 ER308L/FILL SFA-5.4 E308L SA-358 CL.1 304L		A A A	A-26	09/26/89	NO FLAWS					
1-BC-20CCA-114 WELD 3LD PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26	09/26/89	NO FLAWS					
1-BC-20CCA-114 WELD 3LUI TEE INSIDE SEAM	20.000	SA-403 WP304L		A	A-26	09/26/89	NO FLAWS					
1-BC-20CCA-114 WELD 3LUO TEE OUTSIDE SEAM	20.000	SA-403 WP304L		A	A-26	09/26/89	NO FLAWS					
1-BC-20CCA-114 WELD 4 PIPE TO ELBOW	20.000	SA-358 CL.1 304L ROOT SFA-5.9 ER308L/FILL SFA-5.4 E308L SA-403 WP304L		A A A	A-26							
1-BC-20CCA-114 WELD 4LD1 ELBOW INSIDE RADIUS	20.000	SA-403 WP304L		A A A	A-26							
1-BC-20CCA-114 WELD 4LDO ELBOW OUTSIDE RADIUS	20.000	SA-403 WP304L		A A A	A-26							
1-BC-20CCA-114 WELD 4LU PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26							

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Residual Heat Removal System (BC) (continued)															
1-BC-20CCA-114 WELD 5 ELBOW TO PIPE	20.000	SA-403 WP304L SFA-5.9 ER308L SA-358 CL.1 304L		A A A	A-26										
1-BC-20CCA-114 WELD 5LD PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26										
1-BC-20CCA-114 WELD 5LU ELBOW INSIDE RADIUS	20.000	SA-403 WP304L		A A A	A-26										
1-BC-20CCA-114 WELD 5LUO ELBOW OUTSIDE RADIUS	20.000	SA-403 WP304L		A A A	A-26										
1-BC-20CCA-114 WELD 6 PIPE TO PIPE (SS TO CS)	20.000	SA-358 CL.1 304L SFA-5.14 ERNiCr-3 SA-333 GR.6		A A	A-26	10/06/89	NO FLAWS								
1-BC-20CCA-114 WELD 6LU PIPE SEAM	20.000	SA-358 CL.1 304L		A	A-26	10/06/89	NO FLAWS								
1-BC-12CCA-115 WELD 1 PIPE TO ELBOW	12.000	SA-358 CL.1 304L ROOT SFA-5.9 ER308L/FILL SFA-5.4 E308L SA-403 WP304L		A A A	A-29									X	
1-BC-12CCA-115 WELD 1LD ELBOW SEAM	12.000	SA-403 WP304L		A	A-29									X	
1-BC-12CCA-115 WELD 1LU PIPE SEAM	12.000	SA-403 WP304L		A	A-29									X	
1-BC-12CCA-115 WELD 2 ELBOW TO PIPE	12.000	SA-403 WP304L SFA-5.9 ER308L SA-358 CL.1 304L		A A A	A-29									X	
1-BC-12CCA-115 WELD 2LD PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-29									X	
1-BC-12CCA-115 WELD 2LU ELBOW SEAM	12.000	SA-403 WP304L		A	A-29									X	

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Table A - Schedule of Welds and IGSC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSC MITIGATIVE ACTION	IGSC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)												
								2nd	3rd	4th	5th	6th								
Residual Heat Removal System (BC) (continued)																				
1-BC-12CCA-115 WELD 3 PIPE TO ELBOW	12.000	SA-358 CL.1 304L SFA-5.9 ER308L SA-403 WP304L		A A A	A-29															X
1-BC-12CCA-115 WELD 3LD ELBOW SEAM	12.000	SA-403 WP304L		A	A-29															X
1-BC-12CCA-115 WELD 3LU PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-29															X
1-BC-12CCA-115 WELD 4 ELBOW TO PIPE	12.000	SA-403 WP304L SFA-5.9 ER308L SA-358 CL.1 304L		A A A	A-29															X
1-BC-12CCA-115 WELD 4LD PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-29															X
1-BC-12CCA-115 WELD 4LU ELBOW SEAM	12.000	SA-403 WP304L		A	A-29															X
1-BC-12CCA-115 WELD 5 PIPE TO TEE	12.000	SA-358 CL.1 304L ROOT SFA-5.9 ER308L A-403 WP304	CRC	A A A	A-29															X
1-BC-12CCA-115 WELD 5LU PIPE SEAM	12.000	304L SA-358 CL.1		A	A-29															X
1-BC-12CCA-116 WELD 1 PIPE TO ELBOW	12.000	SA-358 CL.1 304L ROOT SFA-5.9 ER308L/FILL SFA-5.4 E308L SA-403 WP304L		A A A	A-32															
1-BC-12CCA-116 WELD 1LD ELBOW SEAM	12.000	SA-403 WP304L		A	A-32															
1-BC-12CCA-116 WELD 1LU PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-32															
1-BC-12CCA-116 WELD 2 ELBOW TO PIPE	12.000	SA-403 WP304L SFA-5.9 ER308L SA-358 CL.1 304L		A A A	A-32															
1-BC-12CCA-116 WELD 2LD PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-32															

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)							
								2nd	3rd	4th	5th	6th			
Residual Heat Removal System (BC) (continued)															
1-BC-12CCA-116 WELD 2LU ELBOW SEAM	12.000	SA-403 WP304L		A	A-32										
1-BC-12CCA-116 WELD 3 PIPE TO ELBOW	12.000	SA-358 CL.1 304L SFA-5.9 ER308L SA-403 WP304L		A A A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 3LD ELBOW SEAM	12.000	SA-403 WP304L		A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 3LU PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 4 ELBOW TO PIPE	12.000	SA-403 WP304L SFA-5.9 ER308L SA-358 CL.1 304L		A A A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 4LD PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 4LU ELBOW SEAM	12.000	SA-403 WP304L		A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 5 PIPE TO TEE	12.000	SA-358 CL.1 304L ROOT SFA-5.9 ER308L A-403 WP304	CRC	A A A	A-32	10/09/89	NO FLAWS								
1-BC-12CCA-116 WELD 5LU PIPE SEAM	12.000	SA-358 CL.1 304L		A	A-32	10/09/89	NO FLAWS								
Reactor Water Cleanup System (BG)															
1-BG-4CCA-011 WELD 1 WELDOLET TO PIPE	4.000	A-182 F304 ROOT SFA-5.9 ER308L SA-312 TP304L	CRC	A A A	A-38								X		
1-BG-4CCA-011 WELD 2 PIPE TO TEE (SS TO CS)	4.000	SA-312 TP304L ROOT SFA-5.9 ER309L/FILL SFA-5.4 E309L SA-234 WPB		A A	A-38								X		
1-BG-4CCA-012 WELD 1 WELDOLET TO PIPE	4.000	A-182 F304 ROOT SFA-5.9 ER308L SA-312 TP304L	CRC	A A A	A-37								X		



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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

WELD IDENTIFICATION NUMBER CONFIGURATION	PIPE SIZE (in)	MATERIAL	IGSCC MITIGATIVE ACTION	IGSCC CATEGORY	FIGURE	DATES OF PREVIOUS EXAMINATIONS	PREVIOUS EXAMINATION RESULTS	EXAMINATION SCHEDULE (REFUELING OUTAGE)					
								2nd	3rd	4th	5th	6th	
Reactor Water Cleanup System (RG) (continued)													
1-BG-4CCA-012 WELD 2 PIPE TO TEE (SS TO CS)	4.000	SA-312 TP304L ROOT SFA-5.9 ER309L/FILL SFA-5.4 E309L SA-234 WPB		A A	A-37							X	

MATERIALS

For other than seam welds in pipes and fittings, the MATERIAL, IGSCC MITIGATIVE ACTION, and IGSCC CATEGORY are presented in three lines. The first line represents the material directly upstream of the weld, the second line represents the weld material, and the third line represents the material directly downstream of the weld.

The following materials are included in the table:

- A-182 F304 - austenitic stainless steel forgings (C content 0.08% max)
- A-358 CL.1 304 - austenitic stainless steel welded pipe (C content 0.08% max)
- A-403 WP304 - wrought austenitic stainless steel welded fittings (C content 0.080% max)
- SA-182 F304L - austenitic stainless steel forgings (C content 0.035% max)
- SA-182 F316L - austenitic stainless steel forgings (C content 0.035% max)
- SA-234 WPB - carbon steel fittings
- SA-312 TP304L - austenitic stainless steel seamless or welded pipe (C content 0.035% max)
- SA-333 GR.6 - carbon steel pipe
- SA-351 CFBM - austenitic stainless steel castings (C content 0.08% max)
- SA-358 CL.1 304L - austenitic stainless steel welded pipe (C content 0.030% max)
- SA-376 TP304 - austenitic stainless steel seamless pipe (C content 0.08% max)
- SA-403 WP304L - wrought austenitic stainless steel welded fittings (C content 0.035% max)
- SA-508 CL.2 - carbon steel forgings
- S8-166 - nickel-chromium-iron alloy
- SFA-5.4 E308L - covered chromium and chromium-nickel welding electrodes (C content 0.04% max)
- SFA-5.4 E309L - covered chromium and chromium-nickel welding electrodes (C content 0.04% max)
- SFA-5.9 ER308L - bare chromium and chromium-nickel welding electrodes (C content 0.03% max)
- SFA-5.9 ER309L - bare chromium and chromium-nickel welding electrodes (C content 0.03% max)
- SFA-5.11 ENiCrFe-3 - covered nickel and nickel alloy welding electrodes
- SFA-5.14 ERNiCr-3 - bare nickel and nickel alloy welding electrodes

\* Weld includes SFA-5.11 ENiCrFe-3 (Inconel 182) butter which is exposed to Reactor Coolant.

EXAMINATIONS

The performance of preservice (baseline) examinations have not been included.

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Table A - Schedule of Welds and IGSCC Mitigative Actions and Treatments (continued)

SCHEDULE

The schedule presented includes IGSCC Category A welds selected for examination as previously presented to the NRC in the Hope Creek Inservice Inspection Long Term Plan. These welds may be reselected and rescheduled as permitted by the Long Term Plan. Also included are augmented examinations as a result of PSE&G commitments to NRC Generic Letter 88-01.

The currently scheduled refueling outage dates are as follows:

1st Refueling Outage	02/12/88-04/15/88 (completed)
2nd Midcycle Outage	02/18/89-03/06/89 (completed)
2nd Refueling Outage	09/16/89-11/15/89 (completed)
3rd Refueling Outage	12/26/90-02/13/91 (scheduled)
4th Refueling Outage	09/05/92-10/19/92 (scheduled)
5th Refueling Outage	03/05/94-04/22/94 (scheduled)
6th Refueling Outage	09/09/95-10/23/95 (scheduled)

Should a Hydrogen Water Chemistry Program be implemented at Hope Creek Generating Station, the examination schedule for IGSCC susceptible welds may be revised as permitted in NRC Generic Letter 88-01 and NUREG-0313 Revision 2.