Wolf Creek
Nuclear Operating Corporation

Dustin T. Hamman
Director Nuclear and Regulatory Affairs

March 9, 2023
RA 23-0007

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Docket No. 50-482: Wolf Creek Generating Station Changes to Technical Specification Bases – Revisions 91 and 92

Commissioners and Staff:

The Wolf Creek Generating Station (WCGS) Unit 1 Technical Specifications (TS), Section 5.5.14, "Technical Specifications (TS) Bases Control Program," provides the means for making changes to the Bases without prior Nuclear Regulatory Commission (NRC) approval. In addition, TS Section 5.5.14 requires that changes made without NRC approval be provided to the NRC on a frequency consistent with 10 CFR 50.71(e). The Enclosure provides those changes made to the WCGS TS Bases (Revisions 91 and 92) under the provisions to TS Section 5.5.14 and a List of Effective Pages. This submittal reflects changes from January 1, 2022, through December 31, 2022.

This letter contains no commitments. If you have any questions concerning this matter, please contact me at (620) 364-4204.

Sincerely,

Dustin T. Hamman

DTH/jkt

Enclosure: Wolf Creek Generating Station Changes to the Technical Specification Bases

cc: S. S. Lee (NRC), w/e
R. J. Lewis (NRC), w/e
G. E. Werner (NRC), w/e
Senior Resident Inspector (NRC), w/e

Enclosure to RA 23-0007

Wolf Creek Generating Station
Changes to the Technical Specification Bases

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B 3.1.1-3	0	Amend. No. 123	12/18/99
B 3.1.1-4	81	DRR 19-1027	10/28/19
B 3.1.1-5	89	DRR 21-0966	7/7/21
B 3.1.2-1	0	Amend. No. 123	12/18/99
B 3.1.2-2	0	Amend. No. 123	12/18/99
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B 3.1.6-3	0	Amend. No. 123	12/18/99
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B 3.1.8-3	15	DRR 03-0860	7/10/03
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B 3.1.8-6	89	DRR 21-0966	7/7/21
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B 3.2.2-2	0	Amend. No. 123	12/18/99
B 3.2.2-3	48	DRR 10-3740	12/28/10
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B 3.2.2-5	48	DRR 10-3740	12/28/10
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B 3.2.3-1	0	Amend. No. 123	12/18/99
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B 3.2.4-1	0	Amend. No. 123	12/18/99
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B 3.2.4-3	48	DRR 10-3740	12/28/10
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B 3.2.4-5	48	DRR 10-3740	12/28/10
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B 3.3.1-6	0	Amend. No. 123	12/18/99
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B 3.3.1-8	0	Amend. No. 123	12/18/99
B 3.3.1-9	84	DRR 20-0400	08/18/20
B 3.3.1-10	84	DRR 20-0400	08/18/20
B 3.3.1-11	84	DRR 20-0400	08/18/20
B 3.3.1-12	84	DRR 20-0400	08/18/20
B 3.3.1-13	84	DRR 20-0400	08/18/20
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B 3.3.2-9	0	Amend. No. 123	12/18/99
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B 3.3.2-26	39	DRR 08-1096	8/28/08
B 3.3.2-27	37	DRR 08-0503	4/8/08
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B 3.3.2-37	20	DRR 04-1533	2/16/05
B 3.3.2-38	20	DRR 04-1533	2/16/05
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B 3.3.2-42	45	Amend. No. 187 (ETS)	3/5/10
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B 3.3.2-46	89	DRR 21-0966	7/7/21
B 3.3.2-47	89	DRR 21-0966	7/7/21
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B 3.3.2-56	43	DRR 09-1416	9/2/09
B 3.3.2-57	43	DRR 09-1416	9/2/09
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B 3.3.3-10	19	DRR 04-1414	10/12/04
B 3.3.3-11	19	DRR 04-1414	10/12/04
B 3.3.3-12	21	DRR 05-0707	4/20/05
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B 3.3.4-4	19	DRR 04-1414	10/12/04
B 3.3.4-5	89	DRR 21-0966	7/7/21
B 3.3.4-6	89	DRR 21-0966	7/7/21
B 3.3.5-1	88	DRR 21-0591	4/28/21
B 3.3.5-2	88	DRR 21-0591	4/28/21
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B 3.3.5-4	1	DRR 99-1624	12/18/99
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B 3.3.5-6	89	DRR 21-0966	7/7/21
B 3.3.5-7	89	DRR 21-0966	7/7/21
B 3.3.6-1	81	DRR 19-1027	10/28/19
B 3.3.6-2	81	DRR 19-1027	10/28/19
B 3.3.6-3	0	Amend. No. 123	12/18/99
B 3.3.6-4	0	Amend. No. 123	12/18/99
B 3.3.6-5	89	DRR 21-0966	7/7/21
B 3.3.6-6	89	DRR 21-0966	7/7/21
B 3.3.6-7	89	DRR 21-0966	7/7/21
B 3.3.7-1	81	DRR 19-1027	10/28/19
B 3.3.7-2	81	DRR 19-1027	10/28/19
B 3.3.7-3	57	DRR 13-0006	1/16/13
B 3.3.7-4	0	Amend. No. 123	12/18/99
B 3.3.7-5	0	Amend. No. 123	12/18/99
B 3.3.7-6	89	DRR 21-0966	7/7/21
B 3.3.7-7	89	DRR 21-0966	7/7/21
B 3.3.7-8	89	DRR 21-0966	7/7/21
B 3.3.8-1	84	DRR 20-0400	8/18/20
B 3.3.8-2	0	Amend. No. 123	12/18/99
B 3.3.8-3	57	DRR 13-0006	1/16/13
B 3.3.8-4	57	DRR 13-0006	1/16/13
B 3.3.8-5	89	DRR 21-0966	7/7/21
B 3.3.8-6	89	DRR 21-0966	7/7/21
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TAB – B 3.4 REACTOR COOLANT SYSTEM (RCS)			
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B 3.4.1-2	84	DRR 20-0400	08/18/20
B 3.4.1-3	10	DRR 02-0411	4/5/02
B 3.4.1-4	0	Amend. No. 123	12/18/99
B 3.4.1-5	89	DRR 21-0966	7/7/21
B 3.4.1-6	89	DRR 21-0966	7/7/21
B 3.4.2-1	0	Amend. No. 123	12/18/99
B 3.4.2-2	0	Amend. No. 123	12/18/99
B 3.4.2-3	89	DRR 21-0966	7/7/21
B 3.4.3-1	67	DRR 15-0116	2/10/15
B 3.4.3-2	0	Amend. No. 123	12/18/99
B 3.4.3-3	0	Amend. No. 123	12/18/99
B 3.4.3-4	0	Amend. No. 123	12/18/99
B 3.4.3-5	0	Amend. No. 123	12/18/99
B 3.4.3-6	89	DRR 21-0966	7/7/21

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TAB – B 3.4 REACTOR COOLANT SYSTEM (RCS) (continued)			
B 3.4.3-7	0	Amend. No. 123	12/18/99
B 3.4.4-1	0	Amend. No. 123	12/18/99
B 3.4.4-2	29	DRR 06-1984	10/17/06
B 3.4.4-3	89	DRR 21-0966	7/7/21
B 3.4.5-1	0	Amend. No. 123	12/18/99
B 3.4.5-2	53	DRR 11-1513	7/18/11
B 3.4.5-3	29	DRR 06-1984	10/17/06
B 3.4.5-4	0	Amend. No. 123	12/18/99
B 3.4.5-5	29	DRR 21-0966	7/7/21
B 3.4.5-6	89	DRR 21-0966	7/7/21
B 3.4.6-1	53	DRR 11-1513	7/18/11
B 3.4.6-2	72	DRR 15-1918	10/26/15
B 3.4.6-3	12	DRR 02-1062	9/26/02
B 3.4.6-4	89	DRR 21-0966	7/7/21
B 3.4.6-5	75	DRR 16-1909	10/26/16
B 3.4.6-6	89	DRR 21-0966	7/7/21
B 3.4.7-1	12	DRR 02-1062	9/26/02
B 3.4.7-2	17	DRR 04-0453	5/26/04
B 3.4.7-3	72	DRR 15-1918	10/26/15
B 3.4.7-4	89	DRR 21-0966	7/7/21
B 3.4.7-5	89	DRR 21-0966	7/7/21
B 3.4.7-6	89	DRR 21-0966	7/7/21
B 3.4.8-1	53	DRR 11-1513	7/18/11
B 3.4.8-2	72	DRR 15-1918	10/26/15
B 3.4.8-3	89	DRR 21-0966	7/7/21
B 3.4.8-4	89	DRR 21-0966	7/7/21
B 3.4.8-5	89	DRR 21-0966	7/7/21
B 3.4.9-1	0	Amend. No. 123	12/18/99
B 3.4.9-2	0	Amend. No. 123	12/18/99
B 3.4.9-3	0	Amend. No. 123	12/18/99
B 3.4.9-4	89	DRR 21-0966	7/7/21
B 3.4.10-1	5	DRR 00-1427	10/12/00
B 3.4.10-2	5	DRR 00-1427	10/12/00
B 3.4.10-3	0	Amend. No. 123	12/18/99
B 3.4.10-4	32	DRR 07-0139	2/7/07
B 3.4.11-1	0	Amend. No. 123	12/18/99
B 3.4.11-2	1	DRR 99-1624	12/18/99
B 3.4.11-3	19	DRR 04-1414	10/12/04
B 3.4.11-4	0	Amend. No. 123	12/18/99
B 3.4.11-5	1	DRR 99-1624	12/18/99
B 3.4.11-6	0	Amend. No. 123	12/18/99
B 3.4.11-7	89	DRR 21-0966	7/7/21
B 3.4.12-1	61	DRR 14-0346	2/27/14
B 3.4.12-2	61	DRR 14-0346	2/27/14
B 3.4.12-3	0	Amend. No. 123	12/18/99
B 3.4.12-4	61	DRR 14-0346	2/27/14
B 3.4.12-5	61	DRR 14-0346	2/27/14
B 3.4.12-6	56	DRR 12-1792	11/7/12
B 3.4.12-7	61	DRR 14-0346	2/27/14
B 3.4.12-8	1	DRR 99-1624	12/18/99
B 3.4.12-9	56	DRR 12-1792	11/7/12

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B 3.4.12-10	0	Amend. No. 123	12/18/99
B 3.4.12-11	61	DRR 14-0346	2/27/14
B 3.4.12-12	89	DRR 21-0966	7/7/21
B 3.4.12-13	89	DRR 21-0966	7/7/21
B 3.4.12-14	89	DRR 21-0966	7/7/21
B 3.4.13-1	0	Amend. No. 123	12/18/99
B 3.4.13-2	81	DRR 19-1027	10/28/19
B 3.4.13-3	29	DRR 06-1984	10/17/06
B 3.4.13-4	35	DRR 07-1553	9/28/07
B 3.4.13-5	89	DRR 21-0966	7/7/21
B 3.4.13-6	89	DRR 21-0966	7/7/21
B 3.4.14-1	0	Amend. No. 123	12/18/99
B 3.4.14-2	0	Amend. No. 123	12/18/99
B 3.4.14-3	0	Amend. No. 123	12/18/99
B 3.4.14-4	0	Amend. No. 123	12/18/99
B 3.4.14-5	89	DRR 21-0966	7/7/21
B 3.4.14-6	89	DRR 21-0966	7/7/21
B 3.4.15-1	31	DRR 06-2494	12/13/06
B 3.4.15-2	31	DRR 06-2494	12/13/06
B 3.4.15-3	33	DRR 07-0656	5/1/07
B 3.4.15-4	33	DRR 07-0656	5/1/07
B 3.4.15-5	65	DRR 14-2146	9/30/14
B 3.4.15-6	31	DRR 06-2494	12/13/06
B 3.4.15-7	89	DRR 21-0966	7/7/21
B 3.4.15-8	31	DRR 06-2494	12/13/06
B 3.4.16-1	81	DRR 19-1027	10/28/19
B 3.4.16-2	84	DRR 20-0400	08/18/20
B 3.4.16-3	31	DRR 06-2494	12/13/06
B 3.4.16-4	89	DRR 21-0966	7/7/21
B 3.4.16-5	89	DRR 21-0966	7/7/21
B 3.4.17-1	29	DRR 06-1984	10/17/06
B 3.4.17-2	81	DRR 19-1027	10/28/19
B 3.4.17-3	52	DRR 11-0724	4/11/11
B 3.4.17-4	81	DRR 19-1027	10/28/19
B 3.4.17-5	57	DRR 13-0006	1/16/13
B 3.4.17-6	57	DRR 13-0006	1/16/13
B 3.4.17-7	81	DRR 19-1027	10/28/19
TAB – B 3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS)			
B 3.5.1-1	0	Amend. No. 123	12/18/99
B 3.5.1-2	0	Amend. No. 123	12/18/99
B 3.5.1-3	73	DRR 15-2135	11/17/15
B 3.5.1-4	73	DRR 15-2135	11/17/15
B 3.5.1-5	1	DRR 99-1624	12/18/99
B 3.5.1-6	89	DRR 21-0966	7/7/21
B 3.5.1-7	89	DRR 21-0966	7/7/21
B 3.5.1-8	1	DRR 99-1624	12/18/99
B 3.5.2-1	84	DRR 20-0400	08/18/20
B 3.5.2-2	0	Amend. No. 123	12/18/99
B 3.5.2-3	0	Amend. No. 123	12/18/99
B 3.5.2-4	0	Amend. No. 123	12/18/99

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B 3.5.2-5	72	DRR 15-1918	10/26/15
B 3.5.2-6	42	DRR 09-1009	7/16/09
B 3.5.2-7	89	DRR 21-0966	7/7/21
B 3.5.2-8	89	DRR 21-0966	7/7/21
B 3.5.2-9	89	DRR 21-0966	7/7/21
B 3.5.2-10	89	DRR 21-0966	7/7/21
B 3.5.2-11	89	DRR 21-0966	7/7/21
B 3.5.2-12	72	DRR 15-1918	10/26/15
B 3.5.3-1	56	DRR 12-1792	11/7/12
B 3.5.3-2	72	DRR 15-1918	10/26/15
B 3.5.3-3	56	DRR 12-1792	11/7/12
B 3.5.3-4	56	DRR 12-1792	11/7/12
B 3.5.4-1	0	Amend. No. 123	12/18/99
B 3.5.4-2	0	Amend. No. 123	12/18/99
B 3.5.4-3	0	Amend. No. 123	12/18/99
B 3.5.4-4	0	Amend. No. 123	12/18/99
B 3.5.4-5	89	DRR 21-0966	7/7/21
B 3.5.4-6	89	DRR 21-0966	7/7/21
B 3.5.5-1	21	DRR 05-0707	4/20/05
B 3.5.5-2	21	DRR 05-0707	4/20/05
B 3.5.5-3	89	DRR 21-0966	7/7/21
B 3.5.5-4	21	DRR 05-0707	4/20/05
TAB – B 3.6 CONTAINMENT SYSTEMS			
B 3.6.1-1	0	Amend. No. 123	12/18/99
B 3.6.1-2	81	DRR 19-1027	10/28/19
B 3.6.1-3	0	Amend. No. 123	12/18/99
B 3.6.1-4	87	DRR 21-0359	3/25/21
B 3.6.2-1	81	DRR 19-1027	10/28/19
B 3.6.2-2	0	Amend. No. 123	12/18/99
B 3.6.2-3	0	Amend. No. 123	12/18/99
B 3.6.2-4	0	Amend. No. 123	12/18/99
B 3.6.2-5	0	Amend. No. 123	12/18/99
B 3.6.2-6	89	DRR 21-0966	7/7/21
B 3.6.2-7	89	DRR 21-0966	7/7/21
B 3.6.3-1	0	Amend. No. 123	12/18/99
B 3.6.3-2	84	DRR 20-0400	08/18/20
B 3.6.3-3	81	DRR 19-1027	10/28/19
B 3.6.3-4	49	DRR 11-0014	1/31/11
B 3.6.3-5	49	DRR 11-0014	1/31/11
B 3.6.3-6	49	DRR 11-0014	1/31/11
B 3.6.3-7	41	DRR 09-0288	3/20/09
B 3.6.3-8	36	DRR 08-0255	3/11/08
B 3.6.3-9	41	DRR 21-0966	7/7/21
B 3.6.3-10	89	DRR 21-0966	7/7/21
B 3.6.3-11	36	DRR 08-0255	3/11/08
B 3.6.3-12	89	DRR 21-0966	7/7/21
B 3.6.3-13	89	DRR 21-0966	7/7/21
B 3.6.3-14	36	DRR 08-0255	3/11/08
B 3.6.3-15	39	DRR 08-1096	8/28/08
B 3.6.3-16	39	DRR 08-1096	8/28/08

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B 3.6.3-17	36	DRR 08-0255	3/11/08
B 3.6.3-18	36	DRR 08-0255	3/11/08
B 3.6.3-19	36	DRR 08-0255	3/11/08
B 3.6.4-1	39	DRR 08-1096	8/28/08
B 3.6.4-2	0	Amend. No. 123	12/18/99
B 3.6.4-3	89	DRR 21-0966	7/7/21
B 3.6.5-1	0	Amend. No. 123	12/18/99
B 3.6.5-2	37	DRR 08-0503	4/8/08
B 3.6.5-3	89	DRR 21-0966	7/7/21
B 3.6.5-4	0	Amend. No. 123	12/18/99
B 3.6.6-1	81	DRR 19-1027	10/28/19
B 3.6.6-2	63	DRR 14-1572	7/1/14
B 3.6.6-3	37	DRR 08-0503	4/8/08
B 3.6.6-4	81	DRR 19-1027	10/28/19
B 3.6.6-5	0	Amend. No. 123	12/18/99
B 3.6.6-6	18	DRR 04-1018	9/1/04
B 3.6.6-7	89	DRR 21-0966	7/7/21
B 3.6.6-8	89	DRR 21-0966	7/7/21
B 3.6.6-9	72	DRR 15-1918	10/26/15
B 3.6.6-10	89	DRR 21-0966	7/7/21
B 3.6.6.11	80	DRR 19-0524	5/30/19
B 3.6.7-1	0	Amend. No. 123	12/18/99
B 3.6.7-2	81	DRR 19-1027	10/28/19
B 3.6.7-3	89	DRR 21-0966	7/7/21
B 3.6.7-4	89	DRR 21-0966	7/7/21
B 3.6.7-5	89	DRR 21-0966	7/7/21
TAB – B 3.7 PLANT SYSTEMS			
B 3.7.1-1	0	Amend. No. 123	12/18/99
B 3.7.1-2	84	DRR 20-0400	08/18/20
B 3.7.1-3	0	Amend. No. 123	12/18/99
B 3.7.1-4	84	DRR 20-0400	08/18/20
B 3.7.1-5	84	DRR 20-0400	08/18/20
B 3.7.1-6	84	DRR 20-0400	08/18/20
B 3.7.2-1	44	DRR 09-1744	10/28/09
B 3.7.2-2	44	DRR 09-1744	10/28/09
B 3.7.2-3	44	DRR 09-1744	10/28/09
B 3.7.2-4	81	DRR 19-1027	10/28/19
B 3.7.2-5	44	DRR 09-1744	10/28/09
B 3.7.2-6	44	DRR 09-1744	10/28/09
B 3.7.2-7	44	DRR 09-1744	10/28/09
B 3.7.2-8	44	DRR 09-1744	10/28/09
B 3.7.2-9	89	DRR 21-0966	7/7/21
B 3.7.2-10	81	DRR 19-1027	10/28/19
B 3.7.2-11	44	DRR 09-1744	10/28/09
B 3.7.3-1	37	DRR 08-0503	4/8/08
B 3.7.3-2	50	DRR 11-0449	3/9/11
B 3.7.3-3	37	DRR 08-0503	4/8/08
B 3.7.3-4	37	DRR 08-0503	4/8/08
B 3.7.3-5	37	DRR 08-0503	4/8/08
B 3.7.3-6	37	DRR 08-0503	4/8/08

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TAB – B 3.7 PLANT SYSTEMS (continued)			
B 3.7.3-7	37	DRR 08-0503	4/8/08
B 3.7.3-8	37	DRR 08-0503	4/8/08
B 3.7.3-9	66	DRR 14-2329	11/6/14
B 3.7.3-10	89	DRR 21-0966	7/7/21
B 3.7.3-11	37	DRR 08-0503	4/8/08
B 3.7.4-1	1	DRR 99-1624	12/18/99
B 3.7.4-2	84	DRR 20-0400	08/18/20
B 3.7.4-3	19	DRR 04-1414	10/12/04
B 3.7.4-4	19	DRR 04-1414	10/12/04
B 3.7.4-5	89	DRR 21-0966	7/7/21
B 3.7.5-1	54	DRR 11-2394	11/16/11
B 3.7.5-2	54	DRR 11-2394	11/16/11
B 3.7.5-3	0	Amend. No. 123	12/18/99
B 3.7.5-4	85	DRR 20-0988	10/24/20
B 3.7.5-5	76	DRR 17-0343	2/21/17
B 3.7.5-6	85	DRR 20-0988	10/24/20
B 3.7.5-7	89	DRR 21-0966	7/7/21
B 3.7.5-8	89	DRR 21-0966	7/7/21
B 3.7.5-9	89	DRR 21-0966	7/7/21
B 3.7.5-10	85	DRR 20-0988	10/24/20
B 3.7.6-1	0	Amend. No. 123	12/18/99
B 3.7.6-2	0	Amend. No. 123	12/18/99
B 3.7.6-3	89	DRR 21-0966	7/7/21
B 3.7.7-1	0	Amend. No. 123	12/18/99
B 3.7.7-2	0	Amend. No. 123	12/18/99
B 3.7.7-3	89	DRR 21-0966	7/7/21
B 3.7.7-4	89	DRR 21-0966	7/7/21
B 3.7.8-1	0	Amend. No. 123	12/18/99
B 3.7.8-2	0	Amend. No. 123	12/18/99
B 3.7.8-3	0	Amend. No. 123	12/18/99
B 3.7.8-4	89	DRR 21-0966	7/7/21
B 3.7.8-5	89	DRR 21-0966	7/7/21
B 3.7.9-1	3	Amend. No. 134	7/14/00
B 3.7.9-2	3	Amend. No. 134	7/14/00
B 3.7.9-3	89	DRR 21-0966	7/7/21
B 3.7.9-4	3	Amend. No. 134	7/14/00
B 3.7.10-1	64	DRR 14-1822	8/28/14
B 3.7.10-2	81	DRR 19-1027	10/28/19
B 3.7.10-3	81	DRR 19-1027	10/28/19
B 3.7.10-4	81	DRR 19-1027	10/28/19
B 3.7.10-5	81	DRR 19-1027	10/28/19
B 3.7.10-6	57	DRR 13-0006	1/16/13
B 3.7.10-7	89	DRR 21-0966	7/7/21
B 3.7.10-8	89	DRR 21-0966	7/7/21
B 3.7.10-9	81	DRR 19-1027	10/28/19
B 3.7.11-1	0	Amend. No. 123	12/18/99
B 3.7.11-2	57	DRR 13-0006	1/16/13
B 3.7.11-3	89	DRR 21-0966	7/7/21
B 3.7.11-4	63	DRR 14-1572	7/1/14
B 3.7.12-1	0	Amend. No. 123	12/18/99
B 3.7.13-1	24	DRR 06-0051	2/28/06

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B 3.7.13-2	81	DRR 19-1027	10/28/19
B 3.7.13-3	81	DRR 19-1027	10/28/19
B 3.7.13-4	81	DRR 19-1027	10/28/19
B 3.7.13-5	89	DRR 21-0966	7/7/21
B 3.7.13-6	89	DRR 21-0966	7/7/21
B 3.7.13-7	89	DRR 21-0966	7/7/21
B 3.7.13-8	89	DRR 21-0966	7/7/21
B 3.7.14-1	0	Amend. No. 123	12/18/99
B 3.7.15-1	81	DRR 19-1027	10/28/19
B 3.7.15-2	89	DRR 21-0966	7/7/21
B 3.7.15-3	81	DRR 19-1027	10/28/19
B 3.7.16-1	5	DRR 00-1427	10/12/00
B 3.7.16-2	23	DRR 05-1995	9/28/05
B 3.7.16-3	89	DRR 21-0966	7/7/21
B 3.7.17-1	7	DRR 01-0474	5/1/01
B 3.7.17-2	7	DRR 01-0474	5/1/01
B 3.7.17-3	5	DRR 00-1427	10/12/00
B 3.7.18-1	81	DRR 19-1027	10/28/19
B 3.7.18-2	81	DRR 19-1027	10/28/19
B 3.7.18-3	89	DRR 21-0966	7/7/21
B 3.7.19-1	44	DRR 09-1744	10/28/09
B 3.7.19-2	54	DRR 11-2394	11/16/11
B 3.7.19-3	54	DRR 11-2394	11/16/11
B 3.7.19-4	61	DRR 14-0346	2/27/14
B 3.7.19-5	61	DRR 14-0346	2/27/14
B 3.7.19-6	89	DRR 21-0966	7/7/21
B 3.7.19-7	89	DRR 21-0966	7/7/21
B 3.7.20-1	79	DRR 18-1579	10/22/18
B 3.7.20-2	79	DRR 18-1579	10/22/18
B 3.7.20-3	85	DRR 20-0988	10/24/20
B 3.7.20-4	89	DRR 21-0966	7/7/21
B 3.7.20-5	89	DRR 21-0966	7/7/21
TAB – B 3.8 ELECTRICAL POWER SYSTEMS			
B 3.8.1-1	88	DRR 21-0591	4/28/21
B 3.8.1-2	88	DRR 21-0591	4/28/21
B 3.8.1-3	88	DRR 21-0951	4/28/21
B 3.8.1-4	86	DRR 21-0212	2/18/21
B 3.8.1-5	59	DRR 13-1524	6/26/13
B 3.8.1-6	25	DRR 06-0800	5/18/06
B 3.8.1-7	26	DRR 06-1350	7/24/06
B 3.8.1-8	35	DRR 07-1553	9/28/07
B 3.8.1-9	42	DRR 09-1009	7/16/09
B 3.8.1-10	39	DRR 08-1096	8/28/08
B 3.8.1-11	36	DRR 08-0255	3/11/08
B 3.8.1-12	75	DRR 16-1909	10/26/16
B 3.8.1-13	47	DRR 10-1089	6/16/10
B 3.8.1-14	47	DRR 10-1089	6/16/10
B 3.8.1-15	47	DRR 10-1089	6/16/10
B 3.8.1-16	26	DRR 06-1350	7/24/06
B 3.8.1-17	26	DRR 06-1350	7/24/06

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TAB – B 3.8 ELECTRICAL POWER SYSTEMS (continued)			
B 3.8.1-18	59	DRR 13-1524	6/26/13
B 3.8.1-19	89	DRR 21-0966	7/7/21
B 3.8.1-20	89	DRR 21-0966	7/7/21
B 3.8.1-21	89	DRR 21-0966	7/7/21
B 3.8.1-22	89	DRR 21-0966	7/7/21
B 3.8.1-23	89	DRR 16-1182	7/7/16
B 3.8.1-24	74	DRR 16-1182	7/7/16
B 3.8.1-25	89	DRR 21-0966	7/7/21
B 3.8.1-26	89	DRR 21-0966	7/7/21
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B 3.8.1-29	89	DRR 21-0966	7/7/21
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B 3.8.1-34	74	DRR 16-1182	7/7/16
B 3.8.2-1	57	DRR 13-0006	1/16/13
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B 3.8.2-3	86	DRR 21-0212	2/18/21
B 3.8.2-4	88	DRR 21-0591	4/28/21
B 3.8.2-5	57	DRR 13-0006	1/16/13
B 3.8.2-6	57	DRR 13-0006	1/16/13
B 3.8.2-7	57	DRR 13-0006	1/16/13
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B 3.8.3-2	0	Amend. No. 123	12/18/99
B 3.8.3-3	0	Amend. No. 123	12/18/99
B 3.8.3-4	1	DRR 99-1624	12/18/99
B 3.8.3-5	0	Amend. No. 123	12/18/99
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B 3.8.3-9	0	Amend. No. 123	12/18/99
B 3.8.4-1	0	Amend. No. 123	12/18/99
B 3.8.4-2	0	Amend. No. 123	12/18/99
B 3.8.4-3	0	Amend. No. 123	12/18/99
B 3.8.4-4	0	Amend. No. 123	12/18/99
B 3.8.4-5	89	DRR 21-0966	7/7/21
B 3.8.4-6	89	DRR 21-0966	7/7/21
B 3.8.4-7	6	DRR 00-1541	3/13/01
B 3.8.4-8	89	DRR 21-0966	7/7/21
B 3.8.4-9	89	DRR 21-0966	7/7/21
B 3.8.5-1	57	DRR 13-0006	1/16/13
B 3.8.5-2	0	Amend. No. 123	12/18/99
B 3.8.5-3	57	DRR 13-0006	1/16/13
B 3.8.5-4	57	DRR 13-0006	1/16/13
B 3.8.5-5	57	DRR 13-0006	1/16/13
B 3.8.6-1	0	Amend. No. 123	12/18/99
B 3.8.6-2	0	Amend. No. 123	12/18/99
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B 3.8.6-6	0	Amend. No. 123	12/18/99
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B 3.8.8-4	57	DRR 13-0006	1/16/13
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B 3.9.1-2	19	DRR 04-1414	10/12/04
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B 3.9.2-1	0	Amend. No. 123	12/18/99
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B 3.9.3-1	68	DRR 15-0248	2/26/15
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B 3.9.4-1	81	DRR 19-1027	10/28/19
B 3.9.4-2	13	DRR 02-1458	12/03/02
B 3.9.4-3	81	DRR 19-1027	10/28/19
B 3.9.4-4	23	DRR 05-1995	9/28/05
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B 3.9.5-2	72	DRR 15-1918	10/26/15
B 3.9.5-3	32	DRR 07-0139	2/7/07
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B 3.9.6-4	89	DRR 21-0966	7/7/21
B 3.9.6-5	89	DRR 21-0966	7/7/21
B 3.9.7-1	81	DRR 19-1027	10/28/19
B 3.9.7-2	89	DRR 21-0966	7/7/21
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Note 1 The page number is listed on the center of the bottom of each page.

Note 2 The revision number is listed in the lower right hand corner of each page. The Revision number will be page specific.

Note 3 The change document will be the document requesting the change. Amendment No. 123 issued the improved Technical Specifications and associated Bases which affected each page. The NRC has indicated that Bases changes will not be issued with License Amendments. Therefore, the change document should be a DRR number in accordance with AP 26A-002.

Note 4 The date effective or implemented is the date the Bases pages are issued by Document Control.

BASES

ACTIONS

L.1, L.2.1, and L.2.2 (continued)

conditions in an orderly manner and without challenging unit systems. Placing the unit in MODE 4 removes all requirements for OPERABILITY of this interlock.

M.1 and M.2

Condition M applies to the Auxiliary Feedwater Pump Suction Transfer on Low Suction Pressure Function. The condensate storage tank is the highly reliable and preferred suction source for the AFW pumps. This function has a 2 out of 3 trip logic. Therefore, continued operation is allowed with one inoperable channel until the performance of the next monthly COT on one of the other channels, as long as the inoperable channel is placed in trip within 1 hour.

N.1, N.2.1, and N.2.2

Condition N applies to the Auxiliary Feedwater Balance of Plant ESFAS automatic actuation logic and actuation relays. If one train is inoperable, 24 hours are allowed to restore the train to OPERABLE status. The 24 hours allowed for restoring the inoperable train to OPERABLE status is justified in Reference 14. The Completion Time for restoring a train to OPERABLE status is reasonable considering that there is another train OPERABLE, and the low probability of an event occurring during this interval. If the inoperable train cannot be restored to OPERABLE status within 24 hours, the unit must be brought to MODE 3 within 30 hours and MODE 4 within 36 hours. The Required Actions are modified by a Note that allows one train to be bypassed for up to 2 hours for surveillance testing provided the other train is OPERABLE.

O.1

Condition O applies to the Auxiliary Feedwater Manual Initiation Function. The associated auxiliary feedwater pump(s) must be declared inoperable immediately when one or more channel(s) is inoperable. Refer to LCO 3.7.5, “Auxiliary Feedwater (AFW) System.”

P.1, P.2.1, and P.2.2

Condition P applies to the Auxiliary Feedwater Loss of Offsite Power Function. With the inoperability of one or both train(s), 48 hours is allowed to return the train(s) to OPERABLE status. The specified Completion Time is reasonable considering the fact that this Function is associated only with the turbine driven AFW pump, the available

BASES

REFERENCES

1. USAR, Chapter 6.

2. USAR, Chapter 7.

3. USAR, Chapter 15.

4. IEEE-279-1971.

5. 10 CFR 50.49.

6. WCNOC Nuclear Safety Analysis Setpoint Methodology for the Reactor Protection System, TR-89-0001.

7. WCAP-10271-P-A Supplement 2, Revision 1, "Evaluation of Surveillance Frequencies and Out of Service Times for the Engineered Safety Features Actuation System," June 1990.

8. WCAP-13632-P-A, Revision 2, “Elimination of Pressure Sensor Response Time Testing Requirements,” January 1996.

9. “Wolf Creek Setpoint Methodology Report,” SNP (KG)-492, August 29, 1984.

10. Amendment No. 43 to Facility Operating License No. NPF-42, March 29, 1991.

11. WCAP-14333-P-A, Revision 1, “Probabilistic Risk Analysis of the RPS and ESFAS Test Times and Completion Times,” October 1998.

12. 10 CFR 50.55a(b)(3)(iii), Code Case OMN-1.

13. Performance Improvement Request (PIR) 2005-2067.

14. Amendment No. 231 to Renewed Facility Operating License No. NPF-42, February 23, 2022.

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B 2.1.1-2	14	DRR 03-0102	2/12/03
B 2.1.1-3	14	DRR 03-0102	2/12/03
B 2.1.1-4	0	Amend. No. 123	2/12/03
B 2.1.2-1	84	DRR 20-0400	08/18/20
B 2.1.2-2	84	DRR 20-0400	08/18/20
B 2.1.2-3	81	DRR 19-1027	10/28/19
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B 3.0-1	81	DRR 19-1027	10/28/19
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B 3.0-5	81	DRR 19-1027	10/28/19
B 3.0-6	81	DRR 19-1027	10/28/19
B 3.0-7	81	DRR 19-1027	10/28/19
B 3.0-8	81	DRR 19-1027	10/28/19
B 3.0-9	81	DRR 19-1027	10/28/19
B 3.0-10	81	DRR 19-1027	10/28/19
B 3.0-11	81	DRR 19-1027	10/28/19
B 3.0-12	81	DRR 19-1027	10/28/19
B 3.0-13	81	DRR 19-1027	10/28/19
B 3.0-14	81	DRR 19-1027	10/28/19
B 3.0-15	81	DRR 19-1027	10/28/19
B 3.0-16	81	DRR 19-1027	10/28/19
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B 3.1.1-5	89	DRR 21-0966	7/7/21
B 3.1.2-1	0	Amend. No. 123	12/18/99
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B 3.1.2-3	0	Amend. No. 123	12/18/99
B 3.1.2-4	0	Amend. No. 123	12/18/99
B 3.1.2-5	89	DRR 21-0966	7/7/21
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B 3.1.7-1	0	Amend. No. 123	12/18/99
B 3.1.7-2	0	Amend. No. 123	12/18/99
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B 3.1.7-5	48	DRR 10-3740	12/28/10
B 3.1.7-6	0	Amend. No. 123	12/18/99
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B 3.1.8-4	15	DRR 03-0860	7/10/03
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B 3.1.8-6	89	DRR 21-0966	7/7/21
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B 3.1.9-4	84	DRR 20-0400	08/18/20
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B 3.2.1-6	48	DRR 10-3740	12/28/10
B 3.2.1-7	48	DRR 10-3740	12/28/10
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B 3.2.4-3	48	DRR 10-3740	12/28/10
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B 3.3.1-12	84	DRR 20-0400	08/18/20
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B 3.3.1-38	84	DRR 20-0400	08/18/20
B 3.3.1-39	84	DRR 20-0400	08/18/20
B 3.3.1-40	84	DRR 20-0400	08/18/20
B 3.3.1-41	84	DRR 20-0400	08/18/20
B 3.3.1-42	84	DRR 20-0400	08/18/20
B 3.3.1-43	84	DRR 20-0400	08/18/20
B 3.3.1-44	84	DRR 20-0400	08/18/20
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B 3.3.1-55	89	DRR 21-0966	7/7/21
B 3.3.1-56	89	DRR 21-0966	7/7/21
B 3.3.1-57	89	DRR 21-0966	7/7/21
B 3.3.1-58	89	DRR 21-0966	7/7/21
B 3.3.1-59	89	DRR 21-0966	7/7/21
B 3.3.1-60	89	DRR 21-0966	7/7/21
B 3.3.1-61	89	DRR 21-0966	7/7/21
B 3.3.2-1	84	DRR 20-0400	08/18/20
B 3.3.2-2	0	Amend. No. 123	12/18/99
B 3.3.2-3	0	Amend. No. 123	12/18/99
B 3.3.2-4	0	Amend. No. 123	12/18/99
B 3.3.2-5	0	Amend. No. 123	12/18/99
B 3.3.2-6	7	DRR 01-0474	5/1/01
B 3.3.2-7	0	Amend. No. 123	12/18/99
B 3.3.2-8	0	Amend. No. 123	12/18/99
B 3.3.2-9	0	Amend. No. 123	12/18/99
B 3.3.2-10	0	Amend. No. 123	12/18/99
B 3.3.2-11	0	Amend. No. 123	12/18/99
B 3.3.2-12	81	DRR 19-1027	10/28/19
B 3.3.2-13	0	Amend. No. 123	12/18/99
B 3.3.2-14	2	DRR 00-0147	4/24/00
B 3.3.2-15	0	Amend. No. 123	12/18/99
B 3.3.2-16	0	Amend. No. 123	12/18/99
B 3.3.2-17	0	Amend. No. 123	12/18/99
B 3.3.2-18	0	Amend. No. 123	12/18/99
B 3.3.2-19	37	DRR 08-0503	4/8/08
B 3.3.2-20	37	DRR 08-0503	4/8/08
B 3.3.2-21	37	DRR 08-0503	4/8/08
B 3.3.2-23	37	DRR 08-0503	4/8/08

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TAB – B 3.3 INSTRUMENTATION (continued)			
B 3.3.2-24	39	DRR 08-1096	8/28/08
B 3.3.2-25	39	DRR 08-1096	8/28/08
B 3.3.2-26	39	DRR 08-1096	8/28/08
B 3.3.2-27	37	DRR 08-0503	4/8/08
B 3.3.2-28	84	DRR 20-0400	08/18/20
B 3.3.2-29	0	Amend. No. 123	12/18/99
B 3.3.2-30	0	Amend. No. 123	12/18/99
B 3.3.2-31	52	DRR 11-0724	4/11/11
B 3.3.2-32	52	DRR 11-0724	4/11/11
B 3.3.2-33	0	Amend. No. 123	12/18/99
B 3.3.2-34	0	Amend. No. 123	12/18/99
B 3.3.2-35	20	DRR 04-1533	2/16/05
B 3.3.2-36	20	DRR 04-1533	2/16/05
B 3.3.2-37	20	DRR 04-1533	2/16/05
B 3.3.2-38	20	DRR 04-1533	2/16/05
B 3.3.2-39	25	DRR 06-0800	5/18/06
B 3.3.2-40	20	DRR 04-1533	2/16/05
B 3.3.2-41	45	Amend. No. 187 (ETS)	3/5/10
B 3.3.2-42	45	Amend. No. 187 (ETS)	3/5/10
B 3.3.2-43	20	DRR 04-1533	2/16/05
B 3.3.2-44	20	DRR 04-1533	2/16/05
B 3.3.2-45	92	DRR 22-0767	11/3/22
B 3.3.2-46	89	DRR 21-0966	7/7/21
B 3.3.2-47	89	DRR 21-0966	7/7/21
B 3.3.2-48	89	DRR 21-0966	7/7/21
B 3.3.2-49	89	DRR 21-0966	7/7/21
B 3.3.2-50	89	DRR 21-0966	7/7/21
B 3.3.2-51	89	DRR 21-0966	7/7/21
B 3.3.2-52	89	DRR 21-0966	7/7/21
B 3.3.2-53	43	DRR 09-1416	9/2/09
B 3.3.2-54	43	DRR 09-1416	9/2/09
B 3.3.2-55	43	DRR 09-1416	9/2/09
B 3.3.2-56	43	DRR 09-1416	9/2/09
B 3.3.2-57	43	DRR 09-1416	9/2/09
B 3.3.3-1	0	Amend. No. 123	12/18/99
B 3.3.3-2	5	DRR 00-1427	10/12/00
B 3.3.3-3	0	Amend. No. 123	12/18/99
B 3.3.3-4	0	Amend. No. 123	12/18/99
B 3.3.3-5	0	Amend. No. 123	12/18/99
B 3.3.3-6	8	DRR 01-1235	9/19/01
B 3.3.3-7	21	DRR 05-0707	4/20/05
B 3.3.3-8	81	DRR 19-1027	10/28/19
B 3.3.3-9	8	DRR 01-1235	9/19/01
B 3.3.3-10	19	DRR 04-1414	10/12/04
B 3.3.3-11	19	DRR 04-1414	10/12/04
B 3.3.3-12	21	DRR 05-0707	4/20/05
B 3.3.3-13	89	DRR 21-0966	7/7/21
B 3.3.3-14	89	DRR 21-0966	7/7/21
B 3.3.3-15	8	DRR 01-1235	9/19/01
B 3.3.4-1	0	Amend. No. 123	12/18/99
B 3.3.4-2	9	DRR 02-1023	2/28/02

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TAB – B 3.3 INSTRUMENTATION (continued)			
B 3.3.4-3	15	DRR 03-0860	7/10/03
B 3.3.4-4	19	DRR 04-1414	10/12/04
B 3.3.4-5	89	DRR 21-0966	7/7/21
B 3.3.4-6	89	DRR 21-0966	7/7/21
B 3.3.5-1	88	DRR 21-0591	4/28/21
B 3.3.5-2	88	DRR 21-0591	4/28/21
B 3.3.5-3	1	DRR 99-1624	12/18/99
B 3.3.5-4	1	DRR 99-1624	12/18/99
B 3.3.5-5	0	Amend. No. 123	12/18/99
B 3.3.5-6	89	DRR 21-0966	7/7/21
B 3.3.5-7	89	DRR 21-0966	7/7/21
B 3.3.6-1	81	DRR 19-1027	10/28/19
B 3.3.6-2	81	DRR 19-1027	10/28/19
B 3.3.6-3	0	Amend. No. 123	12/18/99
B 3.3.6-4	0	Amend. No. 123	12/18/99
B 3.3.6-5	89	DRR 21-0966	7/7/21
B 3.3.6-6	89	DRR 21-0966	7/7/21
B 3.3.6-7	89	DRR 21-0966	7/7/21
B 3.3.7-1	81	DRR 19-1027	10/28/19
B 3.3.7-2	81	DRR 19-1027	10/28/19
B 3.3.7-3	57	DRR 13-0006	1/16/13
B 3.3.7-4	0	Amend. No. 123	12/18/99
B 3.3.7-5	0	Amend. No. 123	12/18/99
B 3.3.7-6	89	DRR 21-0966	7/7/21
B 3.3.7-7	89	DRR 21-0966	7/7/21
B 3.3.7-8	89	DRR 21-0966	7/7/21
B 3.3.8-1	84	DRR 20-0400	8/18/20
B 3.3.8-2	0	Amend. No. 123	12/18/99
B 3.3.8-3	57	DRR 13-0006	1/16/13
B 3.3.8-4	57	DRR 13-0006	1/16/13
B 3.3.8-5	89	DRR 21-0966	7/7/21
B 3.3.8-6	89	DRR 21-0966	7/7/21
B 3.3.8-7	89	DRR 21-0966	7/7/21
TAB – B 3.4 REACTOR COOLANT SYSTEM (RCS)			
B 3.4.1-1	84	DRR 20-0400	08/18/20
B 3.4.1-2	84	DRR 20-0400	08/18/20
B 3.4.1-3	10	DRR 02-0411	4/5/02
B 3.4.1-4	0	Amend. No. 123	12/18/99
B 3.4.1-5	89	DRR 21-0966	7/7/21
B 3.4.1-6	89	DRR 21-0966	7/7/21
B 3.4.2-1	0	Amend. No. 123	12/18/99
B 3.4.2-2	0	Amend. No. 123	12/18/99
B 3.4.2-3	89	DRR 21-0966	7/7/21
B 3.4.3-1	67	DRR 15-0116	2/10/15
B 3.4.3-2	0	Amend. No. 123	12/18/99
B 3.4.3-3	0	Amend. No. 123	12/18/99
B 3.4.3-4	0	Amend. No. 123	12/18/99
B 3.4.3-5	0	Amend. No. 123	12/18/99
B 3.4.3-6	89	DRR 21-0966	7/7/21
B 3.4.3-7	0	Amend. No. 123	12/18/99

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TAB – B 3.4 REACTOR COOLANT SYSTEM (RCS) (continued)			
B 3.4.4-1	0	Amend. No. 123	12/18/99
B 3.4.4-2	29	DRR 06-1984	10/17/06
B 3.4.4-3	89	DRR 21-0966	7/7/21
B 3.4.5-1	0	Amend. No. 123	12/18/99
B 3.4.5-2	53	DRR 11-1513	7/18/11
B 3.4.5-3	29	DRR 06-1984	10/17/06
B 3.4.5-4	0	Amend. No. 123	12/18/99
B 3.4.5-5	29	DRR 21-0966	7/7/21
B 3.4.5-6	89	DRR 21-0966	7/7/21
B 3.4.6-1	53	DRR 11-1513	7/18/11
B 3.4.6-2	72	DRR 15-1918	10/26/15
B 3.4.6-3	12	DRR 02-1062	9/26/02
B 3.4.6-4	89	DRR 21-0966	7/7/21
B 3.4.6-5	75	DRR 16-1909	10/26/16
B 3.4.6-6	89	DRR 21-0966	7/7/21
B 3.4.7-1	12	DRR 02-1062	9/26/02
B 3.4.7-2	17	DRR 04-0453	5/26/04
B 3.4.7-3	72	DRR 15-1918	10/26/15
B 3.4.7-4	89	DRR 21-0966	7/7/21
B 3.4.7-5	89	DRR 21-0966	7/7/21
B 3.4.7-6	89	DRR 21-0966	7/7/21
B 3.4.8-1	53	DRR 11-1513	7/18/11
B 3.4.8-2	72	DRR 15-1918	10/26/15
B 3.4.8-3	89	DRR 21-0966	7/7/21
B 3.4.8-4	89	DRR 21-0966	7/7/21
B 3.4.8-5	89	DRR 21-0966	7/7/21
B 3.4.9-1	0	Amend. No. 123	12/18/99
B 3.4.9-2	0	Amend. No. 123	12/18/99
B 3.4.9-3	0	Amend. No. 123	12/18/99
B 3.4.9-4	89	DRR 21-0966	7/7/21
B 3.4.10-1	5	DRR 00-1427	10/12/00
B 3.4.10-2	5	DRR 00-1427	10/12/00
B 3.4.10-3	0	Amend. No. 123	12/18/99
B 3.4.10-4	32	DRR 07-0139	2/7/07
B 3.4.11-1	0	Amend. No. 123	12/18/99
B 3.4.11-2	1	DRR 99-1624	12/18/99
B 3.4.11-3	19	DRR 04-1414	10/12/04
B 3.4.11-4	0	Amend. No. 123	12/18/99
B 3.4.11-5	1	DRR 99-1624	12/18/99
B 3.4.11-6	0	Amend. No. 123	12/18/99
B 3.4.11-7	89	DRR 21-0966	7/7/21
B 3.4.12-1	61	DRR 14-0346	2/27/14
B 3.4.12-2	61	DRR 14-0346	2/27/14
B 3.4.12-3	0	Amend. No. 123	12/18/99
B 3.4.12-4	61	DRR 14-0346	2/27/14
B 3.4.12-5	61	DRR 14-0346	2/27/14
B 3.4.12-6	56	DRR 12-1792	11/7/12
B 3.4.12-7	61	DRR 14-0346	2/27/14
B 3.4.12-8	1	DRR 99-1624	12/18/99
B 3.4.12-9	56	DRR 12-1792	11/7/12
B 3.4.12-10	0	Amend. No. 123	12/18/99

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TAB – B 3.4 REACTOR COOLANT SYSTEM (RCS) (continued)			
B 3.4.12-11	61	DRR 14-0346	2/27/14
B 3.4.12-12	89	DRR 21-0966	7/7/21
B 3.4.12-13	89	DRR 21-0966	7/7/21
B 3.4.12-14	89	DRR 21-0966	7/7/21
B 3.4.13-1	0	Amend. No. 123	12/18/99
B 3.4.13-2	81	DRR 19-1027	10/28/19
B 3.4.13-3	29	DRR 06-1984	10/17/06
B 3.4.13-4	35	DRR 07-1553	9/28/07
B 3.4.13-5	89	DRR 21-0966	7/7/21
B 3.4.13-6	89	DRR 21-0966	7/7/21
B 3.4.14-1	0	Amend. No. 123	12/18/99
B 3.4.14-2	0	Amend. No. 123	12/18/99
B 3.4.14-3	0	Amend. No. 123	12/18/99
B 3.4.14-4	0	Amend. No. 123	12/18/99
B 3.4.14-5	89	DRR 21-0966	7/7/21
B 3.4.14-6	89	DRR 21-0966	7/7/21
B 3.4.15-1	31	DRR 06-2494	12/13/06
B 3.4.15-2	31	DRR 06-2494	12/13/06
B 3.4.15-3	33	DRR 07-0656	5/1/07
B 3.4.15-4	33	DRR 07-0656	5/1/07
B 3.4.15-5	65	DRR 14-2146	9/30/14
B 3.4.15-6	31	DRR 06-2494	12/13/06
B 3.4.15-7	89	DRR 21-0966	7/7/21
B 3.4.15-8	31	DRR 06-2494	12/13/06
B 3.4.16-1	81	DRR 19-1027	10/28/19
B 3.4.16-2	84	DRR 20-0400	08/18/20
B 3.4.16-3	31	DRR 06-2494	12/13/06
B 3.4.16-4	92	DRR 22-0767	11/3/22
B 3.4.16-5	92	DRR 22-0767	11/3/22
B 3.4.17-1	29	DRR 06-1984	10/17/06
B 3.4.17-2	81	DRR 19-1027	10/28/19
B 3.4.17-3	52	DRR 11-0724	4/11/11
B 3.4.17-4	81	DRR 19-1027	10/28/19
B 3.4.17-5	57	DRR 13-0006	1/16/13
B 3.4.17-6	57	DRR 13-0006	1/16/13
B 3.4.17-7	81	DRR 19-1027	10/28/19
TAB – B 3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS)			
B 3.5.1-1	0	Amend. No. 123	12/18/99
B 3.5.1-2	0	Amend. No. 123	12/18/99
B 3.5.1-3	73	DRR 15-2135	11/17/15
B 3.5.1-4	73	DRR 15-2135	11/17/15
B 3.5.1-5	1	DRR 99-1624	12/18/99
B 3.5.1-6	89	DRR 21-0966	7/7/21
B 3.5.1-7	89	DRR 21-0966	7/7/21
B 3.5.1-8	1	DRR 99-1624	12/18/99
B 3.5.2-1	84	DRR 20-0400	08/18/20
B 3.5.2-2	0	Amend. No. 123	12/18/99
B 3.5.2-3	0	Amend. No. 123	12/18/99
B 3.5.2-4	0	Amend. No. 123	12/18/99
B 3.5.2-5	72	DRR 15-1918	10/26/15

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TAB – B 3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS) (continued)			
B 3.5.2-6	42	DRR 09-1009	7/16/09
B 3.5.2-7	89	DRR 21-0966	7/7/21
B 3.5.2-8	89	DRR 21-0966	7/7/21
B 3.5.2-9	89	DRR 21-0966	7/7/21
B 3.5.2-10	89	DRR 21-0966	7/7/21
B 3.5.2-11	89	DRR 21-0966	7/7/21
B 3.5.2-12	72	DRR 15-1918	10/26/15
B 3.5.3-1	56	DRR 12-1792	11/7/12
B 3.5.3-2	72	DRR 15-1918	10/26/15
B 3.5.3-3	56	DRR 12-1792	11/7/12
B 3.5.3-4	56	DRR 12-1792	11/7/12
B 3.5.4-1	0	Amend. No. 123	12/18/99
B 3.5.4-2	0	Amend. No. 123	12/18/99
B 3.5.4-3	0	Amend. No. 123	12/18/99
B 3.5.4-4	0	Amend. No. 123	12/18/99
B 3.5.4-5	89	DRR 21-0966	7/7/21
B 3.5.4-6	89	DRR 21-0966	7/7/21
B 3.5.5-1	21	DRR 05-0707	4/20/05
B 3.5.5-2	21	DRR 05-0707	4/20/05
B 3.5.5-3	89	DRR 21-0966	7/7/21
B 3.5.5-4	21	DRR 05-0707	4/20/05
TAB – B 3.6 CONTAINMENT SYSTEMS			
B 3.6.1-1	0	Amend. No. 123	12/18/99
B 3.6.1-2	81	DRR 19-1027	10/28/19
B 3.6.1-3	0	Amend. No. 123	12/18/99
B 3.6.1-4	87	DRR 21-0359	3/25/21
B 3.6.2-1	81	DRR 19-1027	10/28/19
B 3.6.2-2	0	Amend. No. 123	12/18/99
B 3.6.2-3	0	Amend. No. 123	12/18/99
B 3.6.2-4	0	Amend. No. 123	12/18/99
B 3.6.2-5	0	Amend. No. 123	12/18/99
B 3.6.2-6	89	DRR 21-0966	7/7/21
B 3.6.2-7	89	DRR 21-0966	7/7/21
B 3.6.3-1	0	Amend. No. 123	12/18/99
B 3.6.3-2	84	DRR 20-0400	08/18/20
B 3.6.3-3	81	DRR 19-1027	10/28/19
B 3.6.3-4	49	DRR 11-0014	1/31/11
B 3.6.3-5	49	DRR 11-0014	1/31/11
B 3.6.3-6	49	DRR 11-0014	1/31/11
B 3.6.3-7	41	DRR 09-0288	3/20/09
B 3.6.3-8	36	DRR 08-0255	3/11/08
B 3.6.3-9	41	DRR 21-0966	7/7/21
B 3.6.3-10	89	DRR 21-0966	7/7/21
B 3.6.3-11	36	DRR 08-0255	3/11/08
B 3.6.3-12	89	DRR 21-0966	7/7/21
B 3.6.3-13	89	DRR 21-0966	7/7/21
B 3.6.3-14	36	DRR 08-0255	3/11/08
B 3.6.3-15	39	DRR 08-1096	8/28/08
B 3.6.3-16	39	DRR 08-1096	8/28/08
B 3.6.3-17	36	DRR 08-0255	3/11/08

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TAB – B 3.6 CONTAINMENT SYSTEMS (continued)			
B 3.6.3-18	36	DRR 08-0255	3/11/08
B 3.6.3-19	36	DRR 08-0255	3/11/08
B 3.6.4-1	39	DRR 08-1096	8/28/08
B 3.6.4-2	0	Amend. No. 123	12/18/99
B 3.6.4-3	89	DRR 21-0966	7/7/21
B 3.6.5-1	0	Amend. No. 123	12/18/99
B 3.6.5-2	37	DRR 08-0503	4/8/08
B 3.6.5-3	89	DRR 21-0966	7/7/21
B 3.6.5-4	0	Amend. No. 123	12/18/99
B 3.6.6-1	81	DRR 19-1027	10/28/19
B 3.6.6-2	63	DRR 14-1572	7/1/14
B 3.6.6-3	37	DRR 08-0503	4/8/08
B 3.6.6-4	81	DRR 19-1027	10/28/19
B 3.6.6-5	0	Amend. No. 123	12/18/99
B 3.6.6-6	18	DRR 04-1018	9/1/04
B 3.6.6-7	89	DRR 21-0966	7/7/21
B 3.6.6-8	89	DRR 21-0966	7/7/21
B 3.6.6-9	72	DRR 15-1918	10/26/15
B 3.6.6-10	89	DRR 21-0966	7/7/21
B 3.6.6.11	80	DRR 19-0524	5/30/19
B 3.6.7-1	0	Amend. No. 123	12/18/99
B 3.6.7-2	81	DRR 19-1027	10/28/19
B 3.6.7-3	89	DRR 21-0966	7/7/21
B 3.6.7-4	89	DRR 21-0966	7/7/21
B 3.6.7-5	89	DRR 21-0966	7/7/21
TAB – B 3.7 PLANT SYSTEMS			
B 3.7.1-1	0	Amend. No. 123	12/18/99
B 3.7.1-2	84	DRR 20-0400	08/18/20
B 3.7.1-3	0	Amend. No. 123	12/18/99
B 3.7.1-4	84	DRR 20-0400	08/18/20
B 3.7.1-5	84	DRR 20-0400	08/18/20
B 3.7.1-6	84	DRR 20-0400	08/18/20
B 3.7.2-1	44	DRR 09-1744	10/28/09
B 3.7.2-2	44	DRR 09-1744	10/28/09
B 3.7.2-3	44	DRR 09-1744	10/28/09
B 3.7.2-4	81	DRR 19-1027	10/28/19
B 3.7.2-5	44	DRR 09-1744	10/28/09
B 3.7.2-6	44	DRR 09-1744	10/28/09
B 3.7.2-7	44	DRR 09-1744	10/28/09
B 3.7.2-8	44	DRR 09-1744	10/28/09
B 3.7.2-9	89	DRR 21-0966	7/7/21
B 3.7.2-10	81	DRR 19-1027	10/28/19
B 3.7.2-11	44	DRR 09-1744	10/28/09
B 3.7.3-1	37	DRR 08-0503	4/8/08
B 3.7.3-2	50	DRR 11-0449	3/9/11
B 3.7.3-3	37	DRR 08-0503	4/8/08
B 3.7.3-4	37	DRR 08-0503	4/8/08
B 3.7.3-5	37	DRR 08-0503	4/8/08
B 3.7.3-6	37	DRR 08-0503	4/8/08
B 3.7.3-7	37	DRR 08-0503	4/8/08

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B 3.7.3-9	66	DRR 14-2329	11/6/14
B 3.7.3-10	89	DRR 21-0966	7/7/21
B 3.7.3-11	37	DRR 08-0503	4/8/08
B 3.7.4-1	1	DRR 99-1624	12/18/99
B 3.7.4-2	84	DRR 20-0400	08/18/20
B 3.7.4-3	19	DRR 04-1414	10/12/04
B 3.7.4-4	19	DRR 04-1414	10/12/04
B 3.7.4-5	89	DRR 21-0966	7/7/21
B 3.7.5-1	54	DRR 11-2394	11/16/11
B 3.7.5-2	54	DRR 11-2394	11/16/11
B 3.7.5-3	0	Amend. No. 123	12/18/99
B 3.7.5-4	85	DRR 20-0988	10/24/20
B 3.7.5-5	76	DRR 17-0343	2/21/17
B 3.7.5-6	85	DRR 20-0988	10/24/20
B 3.7.5-7	89	DRR 21-0966	7/7/21
B 3.7.5-8	89	DRR 21-0966	7/7/21
B 3.7.5-9	89	DRR 21-0966	7/7/21
B 3.7.5-10	85	DRR 20-0988	10/24/20
B 3.7.6-1	0	Amend. No. 123	12/18/99
B 3.7.6-2	0	Amend. No. 123	12/18/99
B 3.7.6-3	89	DRR 21-0966	7/7/21
B 3.7.7-1	0	Amend. No. 123	12/18/99
B 3.7.7-2	0	Amend. No. 123	12/18/99
B 3.7.7-3	92	DRR 22-0767	11/3/22
B 3.7.7-4	89	DRR 21-0966	7/7/21
B 3.7.8-1	0	Amend. No. 123	12/18/99
B 3.7.8-2	0	Amend. No. 123	12/18/99
B 3.7.8-3	0	Amend. No. 123	12/18/99
B 3.7.8-4	89	DRR 21-0966	7/7/21
B 3.7.8-5	89	DRR 21-0966	7/7/21
B 3.7.9-1	3	Amend. No. 134	7/14/00
B 3.7.9-2	3	Amend. No. 134	7/14/00
B 3.7.9-3	89	DRR 21-0966	7/7/21
B 3.7.9-4	3	Amend. No. 134	7/14/00
B 3.7.10-1	64	DRR 14-1822	8/28/14
B 3.7.10-2	81	DRR 19-1027	10/28/19
B 3.7.10-3	81	DRR 19-1027	10/28/19
B 3.7.10-4	81	DRR 19-1027	10/28/19
B 3.7.10-5	81	DRR 19-1027	10/28/19
B 3.7.10-6	57	DRR 13-0006	1/16/13
B 3.7.10-7	89	DRR 21-0966	7/7/21
B 3.7.10-8	89	DRR 21-0966	7/7/21
B 3.7.10-9	81	DRR 19-1027	10/28/19
B 3.7.11-1	0	Amend. No. 123	12/18/99
B 3.7.11-2	57	DRR 13-0006	1/16/13
B 3.7.11-3	89	DRR 21-0966	7/7/21
B 3.7.11-4	63	DRR 14-1572	7/1/14
B 3.7.12-1	0	Amend. No. 123	12/18/99
B 3.7.13-1	24	DRR 06-0051	2/28/06
B 3.7.13-2	81	DRR 19-1027	10/28/19

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B 3.7.13-3	81	DRR 19-1027	10/28/19
B 3.7.13-4	81	DRR 19-1027	10/28/19
B 3.7.13-5	89	DRR 21-0966	7/7/21
B 3.7.13-6	89	DRR 21-0966	7/7/21
B 3.7.13-7	89	DRR 21-0966	7/7/21
B 3.7.13-8	89	DRR 21-0966	7/7/21
B 3.7.14-1	0	Amend. No. 123	12/18/99
B 3.7.15-1	81	DRR 19-1027	10/28/19
B 3.7.15-2	89	DRR 21-0966	7/7/21
B 3.7.15-3	81	DRR 19-1027	10/28/19
B 3.7.16-1	5	DRR 00-1427	10/12/00
B 3.7.16-2	23	DRR 05-1995	9/28/05
B 3.7.16-3	89	DRR 21-0966	7/7/21
B 3.7.17-1	7	DRR 01-0474	5/1/01
B 3.7.17-2	7	DRR 01-0474	5/1/01
B 3.7.17-3	5	DRR 00-1427	10/12/00
B 3.7.18-1	81	DRR 19-1027	10/28/19
B 3.7.18-2	81	DRR 19-1027	10/28/19
B 3.7.18-3	89	DRR 21-0966	7/7/21
B 3.7.19-1	44	DRR 09-1744	10/28/09
B 3.7.19-2	54	DRR 11-2394	11/16/11
B 3.7.19-3	54	DRR 11-2394	11/16/11
B 3.7.19-4	61	DRR 14-0346	2/27/14
B 3.7.19-5	61	DRR 14-0346	2/27/14
B 3.7.19-6	89	DRR 21-0966	7/7/21
B 3.7.19-7	89	DRR 21-0966	7/7/21
B 3.7.20-1	79	DRR 18-1579	10/22/18
B 3.7.20-2	79	DRR 18-1579	10/22/18
B 3.7.20-3	85	DRR 20-0988	10/24/20
B 3.7.20-4	89	DRR 21-0966	7/7/21
B 3.7.20-5	89	DRR 21-0966	7/7/21
TAB – B 3.8 ELECTRICAL POWER SYSTEMS			
B 3.8.1-1	88	DRR 21-0591	4/28/21
B 3.8.1-2	88	DRR 21-0591	4/28/21
B 3.8.1-3	92	DRR 22-0767	11/3/22
B 3.8.1-4	86	DRR 21-0212	2/18/21
B 3.8.1-5	59	DRR 13-1524	6/26/13
B 3.8.1-6	25	DRR 06-0800	5/18/06
B 3.8.1-7	26	DRR 06-1350	7/24/06
B 3.8.1-8	35	DRR 07-1553	9/28/07
B 3.8.1-9	42	DRR 09-1009	7/16/09
B 3.8.1-10	39	DRR 08-1096	8/28/08
B 3.8.1-11	36	DRR 08-0255	3/11/08
B 3.8.1-12	75	DRR 16-1909	10/26/16
B 3.8.1-13	47	DRR 10-1089	6/16/10
B 3.8.1-14	47	DRR 10-1089	6/16/10
B 3.8.1-15	47	DRR 10-1089	6/16/10
B 3.8.1-16	26	DRR 06-1350	7/24/06
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B 3.8.1-18	59	DRR 13-1524	6/26/13

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B 3.8.1-19	89	DRR 21-0966	7/7/21
B 3.8.1-20	89	DRR 21-0966	7/7/21
B 3.8.1-21	89	DRR 21-0966	7/7/21
B 3.8.1-22	89	DRR 21-0966	7/7/21
B 3.8.1-23	89	DRR 16-1182	7/7/16
B 3.8.1-24	74	DRR 16-1182	7/7/16
B 3.8.1-25	89	DRR 21-0966	7/7/21
B 3.8.1-26	89	DRR 21-0966	7/7/21
B 3.8.1-27	89	DRR 21-0966	7/7/21
B 3.8.1-28	89	DRR 21-0966	7/7/21
B 3.8.1-29	89	DRR 21-0966	7/7/21
B 3.8.1-30	89	DRR 21-0966	7/7/21
B 3.8.1-31	89	DRR 21-0966	7/7/21
B 3.8.1-32	89	DRR 21-0966	7/7/21
B 3.8.1-33	89	DRR 21-0966	7/7/21
B 3.8.1-34	74	DRR 16-1182	7/7/16
B 3.8.2-1	57	DRR 13-0006	1/16/13
B 3.8.2-2	0	Amend. No. 123	12/18/99
B 3.8.2-3	92	DRR 22-0767	11/3/22
B 3.8.2-4	92	DRR 22-0767	11/3/22
B 3.8.2-5	57	DRR 13-0006	1/16/13
B 3.8.2-6	57	DRR 13-0006	1/16/13
B 3.8.2-7	57	DRR 13-0006	1/16/13
B 3.8.3-1	1	DRR 99-1624	12/18/99
B 3.8.3-2	0	Amend. No. 123	12/18/99
B 3.8.3-3	0	Amend. No. 123	12/18/99
B 3.8.3-4	1	DRR 99-1624	12/18/99
B 3.8.3-5	0	Amend. No. 123	12/18/99
B 3.8.3-6	89	DRR 21-0966	7/7/21
B 3.8.3-7	12	DRR 02-1062	9/26/02
B 3.8.3-8	89	DRR 21-0966	7/7/21
B 3.8.3-9	0	Amend. No. 123	12/18/99
B 3.8.4-1	0	Amend. No. 123	12/18/99
B 3.8.4-2	0	Amend. No. 123	12/18/99
B 3.8.4-3	0	Amend. No. 123	12/18/99
B 3.8.4-4	0	Amend. No. 123	12/18/99
B 3.8.4-5	89	DRR 21-0966	7/7/21
B 3.8.4-6	89	DRR 21-0966	7/7/21
B 3.8.4-7	6	DRR 00-1541	3/13/01
B 3.8.4-8	89	DRR 21-0966	7/7/21
B 3.8.4-9	89	DRR 21-0966	7/7/21
B 3.8.5-1	57	DRR 13-0006	1/16/13
B 3.8.5-2	0	Amend. No. 123	12/18/99
B 3.8.5-3	57	DRR 13-0006	1/16/13
B 3.8.5-4	57	DRR 13-0006	1/16/13
B 3.8.5-5	57	DRR 13-0006	1/16/13
B 3.8.6-1	0	Amend. No. 123	12/18/99
B 3.8.6-2	0	Amend. No. 123	12/18/99
B 3.8.6-3	89	DRR 21-0966	7/7/21
B 3.8.6-4	89	DRR 21-0966	7/7/21
B 3.8.6-5	0	Amend. No. 123	12/18/99

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B 3.8.6-6	0	Amend. No. 123	12/18/99
B 3.8.7-1	69	DRR 15-0493	3/26/15
B 3.8.7-2	69	DRR 15-0493	3/26/15
B 3.8.7-3	89	DRR 21-0966	7/7/21
B 3.8.7-4	0	Amend. No. 123	12/18/99
B 3.8.8-1	57	DRR 13-0006	1/16/13
B 3.8.8-2	0	Amend. No. 123	12/18/99
B 3.8.8-3	69	DRR 15-0493	3/26/15
B 3.8.8-4	57	DRR 13-0006	1/16/13
B 3.8.8-5	69	DRR 15-0493	3/26/15
B 3.8.9-1	54	DRR 11-2394	11/16/11
B 3.8.9-2	69	DRR 15-0493	3/26/15
B 3.8.9-3	54	DRR 11-2394	11/16/11
B 3.8.9-4	0	Amend. No. 123	12/18/99
B 3.8.9-5	69	DRR 15-0493	3/26/15
B 3.8.9-6	0	Amend. No. 123	12/18/99
B 3.8.9-7	0	Amend. No. 123	12/18/99
B 3.8.9-8	89	DRR 21-0966	7/7/21
B 3.8.9-9	0	Amend. No. 123	12/18/99
B 3.8.10-1	57	DRR 13-0006	1/16/13
B 3.8.10-2	0	Amend. No. 123	12/18/99
B 3.8.10-3	0	Amend. No. 123	12/18/99
B 3.8.10-4	57	DRR 13-0006	1/16/13
B 3.8.10-5	57	DRR 13-0006	1/16/13
B 3.8.10-6	89	DRR 21-0966	7/7/21
TAB – B 3.9 REFUELING OPERATIONS			
B 3.9.1-1	0	Amend. No. 123	12/18/99
B 3.9.1-2	19	DRR 04-1414	10/12/04
B 3.9.1-3	19	DRR 04-1414	10/12/04
B 3.9.1-4	89	DRR 21-0966	7/7/21
B 3.9.2-1	0	Amend. No. 123	12/18/99
B 3.9.2-2	0	Amend. No. 123	12/18/99
B 3.9.2-3	89	DRR 21-0966	7/7/21
B 3.9.3-1	68	DRR 15-0248	2/26/15
B 3.9.3-2	68	DRR 15-0248	2/26/15
B 3.9.3-3	89	DRR 21-0966	7/7/21
B 3.9.3-4	89	DRR 21-0966	7/7/21
B 3.9.4-1	81	DRR 19-1027	10/28/19
B 3.9.4-2	13	DRR 02-1458	12/03/02
B 3.9.4-3	81	DRR 19-1027	10/28/19
B 3.9.4-4	23	DRR 05-1995	9/28/05
B 3.9.4-5	89	DRR 21-0966	7/7/21
B 3.9.4-6	89	DRR 21-0966	7/7/21
B 3.9.5-1	0	Amend. No. 123	12/18/99
B 3.9.5-2	72	DRR 15-1918	10/26/15
B 3.9.5-3	32	DRR 07-0139	2/7/07
B 3.9.5-4	89	DRR 21-0966	7/7/21
B 3.9.5-5	89	DRR 21-0966	7/7/21
B 3.9.6-1	0	Amend. No. 123	12/18/99
B 3.9.6-2	72	DRR 15-1918	10/26/15

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B 3.9.6-3	42	DRR 09-1009	7/16/09
B 3.9.6-4	89	DRR 21-0966	7/7/21
B 3.9.6-5	89	DRR 21-0966	7/7/21
B 3.9.7-1	81	DRR 19-1027	10/28/19
B 3.9.7-2	89	DRR 21-0966	7/7/21
B 3.9.7-3	81	DRR 19-1027	10/28/19

Note 1 The page number is listed on the center of the bottom of each page.

Note 2 The revision number is listed in the lower right hand corner of each page. The Revision number will be page specific.

Note 3 The change document will be the document requesting the change. Amendment No. 123 issued the improved Technical Specifications and associated Bases which affected each page. The NRC has indicated that Bases changes will not be issued with License Amendments. Therefore, the change document should be a DRR number in accordance with AP 26A-002.

Note 4 The date effective or implemented is the date the Bases pages are issued by Document Control.

BASES

ACTIONS

P.1, P.2.1, and P.2.2 (continued)

redundancy provided by the motor driven AFW pumps, and the low probability of an event occurring during this interval. If the Function cannot be returned to OPERABLE status, the unit must be placed in MODE 3 within the next 6 hours and in MODE 4 within the following 6 hours. The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power in an orderly manner and without challenging unit systems. In MODE 4, the unit does not have any analyzed transients or conditions that require the turbine driven AFW pump for mitigation.

SURVEILLANCE REQUIREMENTS

The SRs for each ESFAS Function are identified by the SRs column of Table 3.3.2-1.

A Note has been added to the SR Table to clarify that Table 3.3.2-1 determines which SRs apply to which ESFAS Functions.

Note that each channel of process protection supplies both trains of the ESFAS. When testing channel I, train A and train B must be examined. Similarly, train A and train B must be examined when testing channel II, channel III, and channel IV. The CHANNEL CALIBRATION and COTs are performed in a manner that is consistent with the assumptions used in analytically calculating the required channel accuracies.

SR 3.3.2.1

Performance of the CHANNEL CHECK ensures that a gross failure of instrumentation has not occurred. A CHANNEL CHECK is normally a comparison of the parameter indicated on one channel to a similar parameter on other channels. It is based on the assumption that instrument channels monitoring the same parameter should read approximately the same value. Significant deviations between the two instrument channels could be an indication of excessive instrument drift in one of the channels or of something even more serious. A CHANNEL CHECK will detect gross channel failure; thus, it is key to verifying the instrumentation continues to operate properly between each CHANNEL CALIBRATION.

Agreement criteria are determined by the unit staff, based on a combination of the channel instrument uncertainties, including indication and reliability. If a channel is outside the criteria, it may be an indication

BASES

ACTIONS (continued)

B.1 and B.2

If the Required Action and associated Completion Time of Condition A is not met, or if the DOSE EQUIVALENT XE-133 is not within limits, or if the DOSE EQUIVALENT I-131 is $>$ 60 μCi/gm, the reactor must be brought to MODE 3 within 6 hours and MODE 5 within 36 hours. The Completion Times are reasonable, based on operating experience, to reach the required plant conditions from full power conditions in an orderly manner and without challenging plant systems.

SURVEILLANCE REQUIREMENTS

SR 3.4.16.1

SR 3.4.16.1 requires performing a gamma isotopic analysis as a measure of the noble gas specific activity of the reactor coolant. This measurement is the sum of the degassed gamma activities and the gaseous gamma activities in the sample taken. This Surveillance provides an indication of any increase in the noble gas specific activity.

Trending the results of this Surveillance allows proper remedial action to be taken before reaching the LCO limit under normal operating conditions. The Surveillance Frequency is controlled under the Surveillance Frequency Control Program.

If a specific noble gas nuclide listed in the definition of DOSE EQUIVALENT XE-133 in Specification 1.1, “Definitions,” is not detected, it should be assumed to be present at the minimum detectable activity.

The Note modifies this SR to allow entry into and operating in MODE 4, MODE 3, and MODE 2 prior to performing the SR. This allows the Surveillance to be performed in those MODES, prior to entering MODE 1.

BASES

SURVEILLANCE REQUIREMENTS (continued)

SR 3.4.16.2

This Surveillance is performed to ensure iodine specific activity remains within the LCO limit during normal operation and following fast power changes when iodine spiking is more apt to occur. The Surveillance Frequency is controlled under the Surveillance Frequency Control Program. The Frequency, between 2 and 6 hours after a power change $\geq$ 15% RTP within a 1 hour period, is established because the iodine levels peak during this time following iodine spiking information; samples at other times would provide inaccurate results.

The Note modifies this SR to allow entry into and operation in MODE 4, MODE 3, and MODE 2 prior to performing the SR. This allows the Surveillance to be performed in those MODES, prior to entering MODE 1.

REFERENCES

1. 10 CFR 50.67.

2. Standard Review Plan (SRP), Section 15.0.1.

3. USAR Section 15.1.5.

4. USAR, Section 15.6.3.

BASES

ACTIONS

A.1

Required Action A.1 is modified by a Note indicating that the applicable Conditions and Required Actions of LCO 3.4.6, "RCS Loops - MODE 4," be entered if an inoperable CCW train results in an inoperable RHR loop. This is an exception to LCO 3.0.6 and ensures the proper actions are taken for these components.

If one CCW train is inoperable, action must be taken to restore OPERABLE status within 72 hours. In this Condition, the remaining OPERABLE CCW train is adequate to perform the heat removal function. The 72 hour Completion Time is reasonable, based on the redundant capabilities afforded by the OPERABLE train, and the low probability of a DBA occurring during this period.

B.1 and B.2

If the CCW train cannot be restored to OPERABLE status within the associated Completion Time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours and in MODE 5 within 36 hours. The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging unit systems.

SURVEILLANCE REQUIREMENTS

SR 3.7.7.1

This SR is modified by a Note indicating that the isolation of the CCW flow to individual components may render those components inoperable but does not affect the OPERABILITY of the CCW System.

Verifying the correct alignment for manual, power operated, and automatic valves in the CCW flow path provides assurance that the proper flow paths exist for CCW operation. This SR does not apply to valves that are locked, sealed, or otherwise secured in position, since these valves are verified to be in the correct position prior to locking, sealing, or securing. This SR also does not apply to manual vent/drain valves, and to valves that cannot be inadvertently misaligned, such as check valves. This Surveillance does not require any testing or valve manipulation; rather, it involves verification that those valves capable of being mispositioned are in the correct position.

The Surveillance Frequency is controlled under the Surveillance Frequency Control Program.

BASES

APPLICABLE SAFETY ANALYSES (continued)

b. A worst case single failure.

The AC sources satisfy Criterion 3 of 10 CFR 50.36(c)(2)(ii).

LCO

Two qualified circuits between the offsite transmission network and the onsite Class 1E Electrical Power System, separate and independent DGs for each train, and redundant LSELS for each train ensure availability of the required power to shut down the reactor and maintain it in a safe shutdown condition after an anticipated operational occurrence (AOO) or a postulated DBA.

Each offsite circuit must be capable of maintaining rated frequency and voltage, and accepting required loads during an accident, while connected to the ESF buses.

One offsite circuit consists of the #9/#11 transformers, fed from the 345 kV offsite transmission network, feeding power through breaker 13-49 to the ESF transformer XNB01, which, in turn powers the NB01 bus through its normal feeder breaker or the NB02 bus through its alternate feeder breaker. Transformer XNB01 may also be powered from the #8/#10 transformers, fed from the 345 kV offsite transmission network, feeding power through breaker 13-50.

When the main generator is on-line, the offsite circuit energizing NB01 is considered inoperable when NB01 is only energized from the transmission network through the 345-50 and 345-60 main generator breakers. For this configuration, switchyard breakers 345-120 and 345-80 are open.

Another offsite circuit consists of the startup transformer feeding through breaker PA0201 powering the ESF transformer XNB02, which, in turn powers the NB02 bus through its normal feeder breaker or the NB01 bus through its alternate feeder breaker.

Switchyard transformers #10 and #11 and ESF transformers XNB01 and XNB02 have automatic load tap changers (LTCs). For an ESF transformer to be OPERABLE, its LTC and, for XNB01, the LTC for the transformer feeding it, must be capable of meeting specified safety design functions identified in calculation XX-E-006.

Each DG must be capable of starting, accelerating to rated speed and voltage, and connecting to its respective ESF bus on detection of bus undervoltage. This will be accomplished within 12 seconds. Each DG must also be capable of accepting required loads within the assumed loading sequence intervals and continue to operate until offsite power can be restored to the ESF buses. These capabilities are required to be

BASES

APPLICABLE SAFETY ANALYSES (continued)

The AC sources satisfy Criterion 3 of the 10 CFR 50.36(c)(2)(ii).

LCO

One offsite circuit capable of supplying the onsite Class 1E power distribution subsystem of LCO 3.8.10, "Distribution Systems - Shutdown," ensures that one train of required loads are powered from offsite power. An OPERABLE DG, associated with the distribution system train required to be OPERABLE by LCO 3.8.10, ensures a diverse power source is available to provide electrical power support, assuming a loss of the offsite circuit. Together, OPERABILITY of the required offsite circuit and DG ensures the availability of sufficient AC sources to operate the unit in a safe manner and to mitigate the consequences of postulated events during shutdown (e.g., fuel handling accidents).

The DG must be supporting the train of AC electrical distribution required to be OPERABLE per LCO 3.8.10. The offsite circuit must also support the train of AC electrical distribution required to be OPERABLE per LCO 3.8.10. When the second AC electrical power distribution train (subsystem) is needed to support redundant required systems, equipment and components, the second train may be energized from any available source. The available source must be Class 1E or another reliable source. The available source must be capable of supplying sufficient AC electrical power such that the redundant components are capable of performing their specified safety function(s) (implicitly required by the definition of OPERABILITY). Otherwise, the supported components must be declared inoperable and the appropriate conditions of the LCOs for the redundant components must be entered.

The qualified offsite circuit must be capable of maintaining rated frequency and voltage, and accepting required loads during an accident, while connected to the Engineered Safety Feature (ESF) bus(es). Qualified offsite circuits are those that are described in the USAR and are part of the licensing basis for the unit.

One offsite circuit consists of the #9/#11 transformers, fed from the 345 kV offsite transmission network, feeding power through breaker 13-49 to the ESF transformer XNB01, which, in turn powers the NB01 bus through its normal feeder breaker. Transformer XNB01 may also be powered from the #8/#10 transformers, fed from the 345 kV offsite transmission network, feeding power through breaker 13-50. Another offsite circuit consists of the startup transformer feeding through breaker PA0201

BASES

LCO (continued)

powering the ESF transformer XNB02, which in turn powers the NB02 bus through its normal feeder breaker. Switchyard transformers #10 and #11 and ESF transformers XNB01 and XNB02 have automatic load tap changers (LTCs). The LTCs are discussed in the Bases for TS 3.8.1.

The DG must be capable of starting, accelerating to rated speed and voltage, and connecting to its respective ESF bus on detection of bus undervoltage. This sequence must be accomplished within 12 seconds. The DG must be capable of accepting required loads within the assumed loading sequence intervals, and continue to operate until offsite power can be restored to the ESF buses. These capabilities are required to be met from a variety of initial conditions such as DG in standby with the engine hot and DG in standby at ambient conditions.

Initiating an EDG start upon a detected under voltage or degraded voltage condition, tripping of nonessential loads, and proper sequencing of loads, is a required function of load shedder and emergency load sequencer (LSELS) and required for DG OPERABILITY. Only the shutdown sequencer on the train supported by the OPERABLE DG is required to be OPERABLE in MODES 5 and 6. In addition, the LSELS Automatic Test Indicator (ATI) is an installed testing aid and is not required to be OPERABLE to support the sequencer function. Absence of a functioning ATI does not render LSELS inoperable.

It is acceptable for one offsite circuit to be connected to more than one ESF bus through the normal or alternate feeder breakers with the loading limitations of calculation XX-E-006, "AC System Analysis," not being exceeded. Each offsite circuit can be manually aligned to supply power to the opposite NB bus.

APPLICABILITY

The AC sources required to be OPERABLE in MODES 5 and 6, and during movement of irradiated fuel assemblies provide assurance that:

a. Systems to provide adequate coolant inventory makeup are available for the irradiated fuel assemblies in the core;

b. Systems needed to mitigate a fuel handling accident are available;

c. Systems necessary to mitigate the effects of events that can lead to core damage during shutdown are available; and

d. Instrumentation and control capability is available for monitoring and maintaining the unit in a cold shutdown condition or refueling condition.

The AC power requirements for MODES 1, 2, 3, and 4 are covered in LCO 3.8.1.