

## ArevaEPRDCPEm Resource

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**From:** Snyder, Amy  
**Sent:** Monday, July 22, 2013 3:52 PM  
**To:** NRO\_Branch\_Chiefs; Weisman, Robert; Kirkwood, Sara; Barss, Dan; Bowers, Anthony; Huyck, Doug; Lee, Pete; NRO\_DNRL Distribution; Simmons, Anneliese; Williams, Kevin; Mathew, Roy; Kang, Peter; Martinez-Navedo, Tania; Fitzpatrick, Robert; Shea, James; Foster, Rocky; Takacs, Michael; Eudy, Michael  
**Cc:** Segala, John; NRO\_DNRL\_LB1 Distribution; ArevaEPRDCPEm Resource  
**Subject:** U.S. EPR DC- RECEIPT of REVISION 5 of the U.S. EPR FSAR and Planning Public Meeting August 7 and 8  
**Attachments:** NRC-13-057.pdf

This notice is being sent to internal stakeholders to announce the receipt of **Revision 5 of the U.S. EPR DC Final Safety Analysis Report (FSAR)**. By letter dated July 19, 2013, AREVA NP submitted Revision 5 of its U.S. EPR Design Certification Application. A copy of the AREVA NP letter which provides details of the updates to its application covered by the current revision is attached and you may also find it the NRO sharepoint site at

<http://epm.nrc.gov/NRCPWA/EPR%20AREVA%20DC/Project%20Documents/Non-Public%20AREVA%20US-EPR%20DC%20Application%20Revision%205/NRC-13-057.pdf>

I have also uploaded the NONPUBLIC-SUNSI of the complete Rev 5 FSAR

(<http://epm.nrc.gov/NRCPWA/EPR%20AREVA%20DC/Project%20Documents/Forms/AllItems.aspx?RootFolder=%2fNRCPWA%2fEPR%20AREVA%20DC%2fProject%20Documents%2fNon%2dPublic%20AREVA%20US%2dEPR%20DC%20Application%20Revision%205&FolderCTID=&View=%7b82DD44FD%2d9169%2d4334%2d9A8E%2d2EB4E519D17B%7d>) and

redline strikeout version of the complete Rev 5 FSAR on the NRO sharepoint page located at

<http://epm.nrc.gov/NRCPWA/EPR%20AREVA%20DC/Project%20Documents/Forms/AllItems.aspx?RootFolder=%2fNRCPWA%2fEPR%20AREVA%20DC%2fProject%20Documents%2fNon%2dPublic%20AREVA%20US%2dEPR%20DC%20Application%20Revision%205%2c%20Redline%2dStrikeout&FolderCTID=&View=%7b82DD44FD%2d9169%2d4334%2d9A8E%2d2EB4E519D17B%7d>

The DVDs submitted as Enclosures to the AREVA NP letter are currently with the ADAMS staff for review and loading into the Agencywide Documents Access and Management System (ADAMS). Once loaded in ADAMS, I will forward the applicable ML Numbers for access by the staff for conducting its reviews of the application. A copy of the application will also be down loaded in the EPM SharePoint for quick access by the staff. After the SUNSI review of the public version of the application, the applicable sections of the application will also be posted on the US EPR Design Certification Web Page for public access.

Among other things, AREVA says in its July 19<sup>th</sup> cover letter that "Revision 5 of the U.S. EPR FSAR includes changes associated with responses to NRC Requests for Additional Information (RAIs) submitted through June 2013 (including advanced RAI responses), although the timing for inclusion of RAI-associated changes varies by chapter, and RAI response submittal date."

I am in the process of getting a TAC number. Will let reviewers now as soon as I get one.

Also, a **two day public meetings is being planned for Tuesday, August 7 and Wednesday, August 8.** We are working out the details so you will know when specific topics will be presented by AREVA.

More to follow once I get more information. AREVA's agenda is expected by July 26 and AREVA's presentation materials by July 31.

After acceptance of the DVDs by the ADAMS staff, I will get a limited number of copies made for those who need an electronic copy of the application. Therefore, if you need a copy of the DVD containing revision 5 of the US EPR FSAR for yourself or your contractors, please let me know how many copies you would need.

If you have any questions, please contact me.

Thank you,

*Amy*

Amy Snyder, U.S. EPR Design Certification Lead Project Manager  
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U.S. Nuclear Regulatory Commission

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**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
**Email Number:** 4616

**Mail Envelope Properties** (AF843158D8D87443918BD3AA953ABF78DB6C99BDD0)

**Subject:** U.S. EPR DC- RECEIPT of REVISION 5 of the U.S. EPR FSAR and Planning  
Public Meeting August 7 and 8  
**Sent Date:** 7/22/2013 3:51:33 PM  
**Received Date:** 7/22/2013 3:51:39 PM  
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July 19, 2013  
NRC:13:057

U.S. Nuclear Regulatory Commission  
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11555 Rockville Pike  
Rockville, MD 20852

**Submittal of Revision 5 of the U.S. EPR Final Safety Analysis Report for Design Certification**

- Ref. 1: Letter, Sandra M. Sloan (AREVA NP Inc.) to Document Control Desk (NRC), "Application for Standard Design Certification of the U.S. EPR (Project No. 733)," NRC:07:070, December 11, 2007.
- Ref. 2: Letter, Sandra M. Sloan (AREVA NP Inc.) to Document Control Desk (NRC), "Submittal of Revision 1 of the U.S. EPR Final Safety Analysis Report for Design Certification," NRC:09:064, May 29, 2009.
- Ref. 3: Letter, Sandra M. Sloan (AREVA NP Inc.) to Document Control Desk (NRC), "Submittal of Revision 2 of the U.S. EPR Final Safety Analysis Report for Design Certification," NRC:10:081, August 31, 2010.
- Ref. 4: Letter, Sandra M. Sloan (AREVA NP Inc.) to Document Control Desk (NRC), "Submittal of Revision 3 of the U.S. EPR Final Safety Analysis Report for Design Certification," NRC:11:085, August 10, 2011.
- Ref. 5: Letter, Pedro Salas (AREVA NP Inc.) to Document Control Desk (NRC), "Re-Submittal of Revision 4 of the U.S. EPR Final Safety Analysis Report for Design Certification," NRC:12:057, November 15, 2012.

AREVA NP Inc. (AREVA NP) hereby submits Revision 5 of the U.S. EPR Final Safety Analysis Report (FSAR). Revision 0 of the U.S. EPR FSAR was submitted to the NRC as part of the application for Standard Design Certification of the U.S. EPR in Reference 1. Revisions 1 through 4 of the U.S. EPR FSAR were submitted to the NRC in References 2 through 5.

The following items are enclosed on separate CDs:

1. U.S. EPR Final Safety Analysis Report including Sensitive Unclassified Non-Safeguards Information (SUNSI), to be withheld under 10 CFR 2.390.
2. U.S. EPR Final Safety Analysis Report in which the SUNSI material is redacted, termed the "Public Version."

**AREVA NP INC.**

To facilitate NRC review, a summary of changes for Tier 1 and Tier 2 is enclosed on Attachments 1 and 2, respectively. These summaries are provided by chapter and subsection, and lists AREVA NP's classification of the type of change, and short description of change. The type of changes are:

RAI - FSAR markups have been previously provided as part of RAI responses.

RAI - Advanced - FSAR markups have been previously provided as part of Advanced RAI responses. If changes are subsequently modified as a result of NRC review, the FSAR will be revised in a future revision.

Editorial, or Consistency Editorial Change - Corrections or improvements such as typographical changes, adding or changing acronyms, etc.

Consistency Update - Changes that are made to make the FSAR internally consistent or consistent with other design information.

Corrective Action – Changes that result from an internal condition report written on an issue associated with the FSAR. These changes are generally narrow in scope and improve the presentation in the FSAR such as clarifying previously provided information or correcting figure titles, etc.

Design Change - Changes that are associated with an internal Design Change Request that have been processed and that are not associated with any RAI response. These changes are expected to have minimal impact on the NRC review, but could be a change to the design hardware, analysis, change in classification, etc.

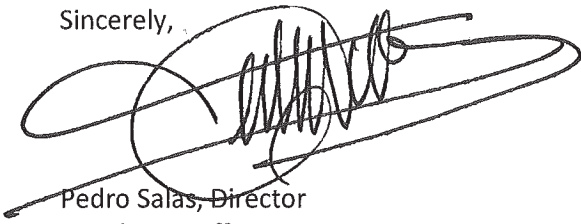
Changes in the FSAR text are identified by change bars. Minor editorial changes such as those related to punctuation and capitalization are generally not marked.

Revision 5 of the U.S. EPR FSAR includes changes associated with responses to NRC Requests for Additional Information (RAIs) submitted through June 2013 (including advanced RAI responses), although the timing for inclusion of RAI-associated changes varies by chapter, and RAI response submittal date.

AREVA NP looks forward to continued constructive interactions with the NRC to support efficient conduct of the U.S. EPR design certification review.

If you have any questions related to this information, please contact Len Gucwa by telephone at (434) 832-3466, or by e-mail at [Len.Gucwa.ext@areva.com](mailto:Len.Gucwa.ext@areva.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Pedro Salas', is written over a large, loopy scribble that also contains the word 'Pedro'.

Pedro Salas, Director  
Regulatory Affairs  
AREVA NP Inc.

Attachments:

1. U.S. EPR FSAR Tier 1 Summary of Changes to Rev. 5
2. U.S. EPR FSAR Tier 2 Summary of Changes to Rev. 5

Enclosures:

1. U.S. EPR Final Safety Analysis Report including Sensitive Unclassified Non-Safeguards Information (SUNSI), to be withheld under 10 CFR 2.390
2. U.S. EPR Final Safety Analysis Report in which the SUNSI material is redacted, termed the "Public Version"

cc: A. M. Snyder  
Docket No. 52-020

Attachment 1  
US-EPR FSAR Tier 1

Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change  |
|----------|---------|---|----------------|--|
| 1        | 2       | 2.1.1 (Table 2.1.1-3)   | RAI            | Changes associated with RAI 525 Supplement 12 response to Question 09.01.04-23 |
| 2        | 2       | 2.1.1 (Tables 2.1.1-4 & 2.1.1-11; Figures 2.1.1-1 & 2.1.1-11) | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61  |
| 3        | 2       | 2.1.1 (Table 2.1.1-8)   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-58  |
| 4        | 2       | 2.1.1 (Table 2.1.1-8)   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-59  |
| 5        | 2       | 2.1.1 (Table 2.1.1-8)   | RAI            | Changes associated with RAI 575 Supplement 1 response to Question 06.02.01-105 |
| 6        | 2       | 2.1.1 (Table 2.1.1-8)   | RAI            | Changes associated with RAI 340 Supplement 14 response to Question 06.02.01-57 |
| 7        | 2       | 2.1.1 (Table 2.1.1-8), 2.1.1.1                                | RAI            | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8   |
| 8        | 2       | 2.1.1 (Table 2.1.1-8, Item 2.15)                              | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-60  |
| 9        | 2       | 2.1.1 (Tables 2.1.1-8, 2.1.1-10, 2.1.1-11; Figure 2.1.1-41)   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-57  |
| 10       | 2       | 2.1.1 (Tables 2.1.1-8, 2.1.1-10, 2.1.1-11), 2.1.1.2, 2.1.1.3  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3             |
| 11       | 2       | 2.1.1 (Figure 2.1.1-41)                                       | Editorial      | Changes associated with correction to Figure title                             |
| 12       | 2       | 2.1.1.2, 2.1.1.3  | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61  |
| 13       | 2       | 2.1.2 (Table 2.1.2-3)   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-57  |
| 14       | 2       | 2.1.2 (Table 2.1.2-3)   | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3             |
| 15       | 2       | 2.1.3 (Table 2.1.3-1)   | RAI            | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64 |
| 16       | 2       | 2.1.3 (Table 2.1.3-1)   | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39      |
| 17       | 2       | 2.1.3 (Table 2.1.3-1, Item 3.2)                               | RAI            | Changes associated with RAI 527 Supplement 3 response to Question 14.03.02-62  |
| 18       | 2       | 2.1.4 (Table 2.1.4-1)   | RAI            | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64 |
| 19       | 2       | 2.1.4 (Table 2.1.4-1)   | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39      |
| 20       | 2       | 2.1.5 (Table 2.1.5-2)   | RAI            | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41 |
| 21       | 2       | 2.1.5 (Table 2.1.5-3)   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-57  |
| 22       | 2       | 2.1.5 (Table 2.1.5-3)   | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3             |
| 23       | 2       | 2.2.1 (Table 2.2.1-2; Figure 2.2.1-1 Shts 3 thru 6 of 6)      | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356           |
| 24       | 2       | 2.2.1 (Table 2.2.1-5)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |

Attachment 1  
US-EPR FSAR Tier 1

Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change  |
|----------|---------|---|----------------|--|
| 25       | 2       | 2.2.2 (Tables 2.2.2-1 & 2.2.2-3; Figure 2.2.2-1 Sht 1 of 3) | RAI            | Changes associated with RAI 569 Supplement 1 response to Question 06.02.02-139   |
| 26       | 2       | 2.2.2 (Table 2.2.2-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 27       | 2       | 2.2.2 (Table 2.2.2-3)                                       | RAI            | Changes associated with RAI 340 Supplement 14 response to Question 06.02.01-57   |
| 28       | 2       | 2.2.3 (Table 2.2.3-1 & Figure 2.2.3-1 Shts 1 thru 4 of 8)   | RAI            | Changes associated with RAI 569 Supplement 1 response to Question 06.02.02-139   |
| 29       | 2       | 2.2.3 (Tables 2.2.3-1, 2.2.3-2; Figure 2.2.3-1)             | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 30       | 2       | 2.2.3 (Table 2.2.3-3)                                       | RAI            | Changes associated with RAI 569 Supplement 1 response to Question 06.02.02-138   |
| 31       | 2       | 2.2.3 (Table 2.2.3-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 32       | 2       | 2.2.4 (Tables 2.2.4-1, 2.2.4-2; Figure 2.2.4-1)             | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 33       | 2       | 2.2.4 (Table 2.2.4-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 34       | 2       | 2.2.5 (Table 2.2.5-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 35       | 2       | 2.2.6 (Table 2.2.6-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 36       | 2       | 2.2.7 (Table 2.2.7-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 37       | 2       | 2.2.8 (Tables 2.2.8-1 and 2.2.8-2)                          | RAI            | Changes associated with RAI 525 Supplement 13 response to Question 09.01.04-25   |
| 38       | 2       | 2.3.1 (Table 2.3.1-1)                                       | Design Change  | Changes associated with AGA Drawings for Safeguard Building Elevator Machine Rooms   |
| 39       | 2       | 2.3.3 (Table 2.3.3-1; Figure 2.3.3-1)                       | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 40       | 2       | 2.3.3 (Table 2.3.3-3)                                       | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 41       | 2       | 2.4.1 (Table 2.4.1-6)                                       | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 42       | 2       | 2.4.1 (Table 2.4.1-6)                                       | Design Change  | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 43       | 2       | 2.4.1 (Table 2.4.1-7)                                       | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 44       | 2       | 2.4.2 (Table 2.4.2-4)                                       | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 45       | 2       | 2.4.4 (Tables 2.4.4-2, 2.4.4-3)                             | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 46       | 2       | 2.4.9 (Tables 2.4.9-1, 2.4.9-2)                             | RAI            | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 47       | 2       | 2.4.10 (Tables 2.4.10-1, 2.4.10-2)                          | RAI            | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 48       | 2       | 2.4.19 (Table 2.4.19-1)                                     | Design Change  | Changes associated with modifications to Self Powered Neutron Detectors (SPND) Amplifier Circuit   |
| 49       | 2       | 2.4.24 (Table 2.4.24-4)                                     | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change  |
|----------|---------|---|----------------|--|
| 50       | 2       | 2.4.24 (Table 2.4.24-4)   | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 51       | 2       | 2.4.25 (Tables 2.4.25-2, 2.4.25-3)                                | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 52       | 2       | 2.4.25 (Tables 2.4.25-2, 2.4.25-3)                                | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 53       | 2       | 2.4.25 (Tables 2.4.25-2 & 2.4.25-3)                               | Design Change  | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 54       | 2       | 2.5.2 (Tables 2.5.2-1, 2.5.2-2 & 2.5.2-3; Figure 2.5.2-1)         | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 55       | 2       | 2.5.4 (Table 2.5.4-4)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 56       | 2       | 2.5.5 (Table 2.5.5-1)   | RAI            | Changes associated with RAI 564 Supplement 2 response to Question 08.02-8  |
| 57       | 2       | 2.6.1   | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 58       | 2       | 2.6.1 (Tables 2.6.1-1 thru 2.6.1-3; Figures 2.6.1-1 thru 2.6.1-3) | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 59       | 2       | 2.6.1 (Table 2.6.1-2)   | RAI            | Changes associated with RAI 511 Supplement 7 response to Question 06.04-10   |
| 60       | 2       | 2.6.3 (Table 2.6.3-1)   | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 61       | 2       | 2.6.3 (Tables 2.6.3-1, 2.6.3-3; Figures 2.6.3-1, 2.6.3-2)         | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 62       | 2       | 2.6.4 (Tables 2.6.4-1 thru 2.6.4-3; Figure 2.6.4-1)               | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 63       | 2       | 2.6.4 (Table 2.6.4-3)   | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 64       | 2       | 2.6.4 (Table 2.6.4-3)   | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9  |
| 65       | 2       | 2.6.5 (Table 2.6.5-1, 2.6.5-2; Figure 2.6.5-1)                    | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 66       | 2       | 2.6.6 (Table 2.6.6-3)   | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 67       | 2       | 2.6.6 (Table 2.6.6-1 thru 2.6.6-3; Figures 2.6.6-1, 2.6.6-2)      | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 68       | 2       | 2.6.6 (Table 2.6.6-3)   | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9  |
| 69       | 2       | 2.6.6 (Tables 2.6.6-1 & 2.6.6-2)                                  | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change   |
|----------|---------|---|----------------|---|
| 70       | 2       | 2.6.7 (Tables 2.6.7-1, 2.6.7-3; Figure 2.6.7-1 thru 2.6.7-4)      | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 71       | 2       | 2.6.8 (Figure 2.6.8-1)  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 72       | 2       | 2.6.8 (Tables 2.6.8-2 thru 2.6.8-4; Figure 2.6.8-1)               | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 73       | 2       | 2.6.8 (Table 2.6.8-4)   | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38   |
| 74       | 2       | 2.6.8 (Table 2.6.8-4)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54   |
| 75       | 2       | 2.6.8 (Table 2.6.8-4)   | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 76       | 2       | 2.6.9 (Tables 2.6.9-1 thru 2.6.9-3; Figures 2.6.9-1 thru 2.6.9-4) | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 77       | 2       | 2.6.9 (Tables 2.6.9-1 and 2.6.9-2)                                | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 78       | 2       | 2.6.10  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 79       | 2       | 2.6.13 (Tables 2.6.13-1 and 2.6.13-2)                             | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 80       | 2       | 2.6.13 (Tables 2.6.13-1 thru 2.6.13-3; Figure 2.6.13-1)           | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 81       | 2       | 2.7.1 (Table 2.7.1-2)   | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 82       | 2       | 2.7.1 (Table 2.7.1-3)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54   |
| 83       | 2       | 2.7.2 (Table 2.7.2-3)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54   |
| 84       | 2       | 2.7.5   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 85       | 2       | 2.7.11  | Editorial      | Changes associated with editorial correction to Item 7.9 (Equipment and System Performance)   |
| 86       | 2       | 2.7.11 (Table 2.7.11-3; Figure 2.7.11-1 Shts 1 thru 4 of 5)       | Design Change  | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 87       | 2       | 2.7.11 (Tables 2.7.11-1 & 2.7.11-2; Figure 2.7.11-1 Sht 5 of 5)   | Design Change  | Changes associated with operation of Essential Service Water System valves as MOVs  |
| 88       | 2       | 2.7.11 (Table 2.7.11-3)   | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54   |
| 89       | 2       | 2.8.1 (Table 2.8.1-3)   | RAI            | Changes associated with RAI 439 Supplement 11 response to Question 14.03.07-36  |
| 90       | 2       | 2.8.1.2.2, 2.8.1.2.5  | RAI            | Changes associated with RAI 439 Supplement 11 response to Question 14.03.07-36  |



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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                                       | Type of Change | Description of Change  |
|----------|---------|--|----------------|--|
| 91       | 2       | 2.8.2 (Table 2.8.2-3)                            | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 92       | 2       | 2.8.6 (Table 2.8.6-3)                            | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 93       | 2       | 2.8.7 (Tables 2.8.7-1 & 2.8.7-2; Figure 2.8.7-1) | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 94       | 2       | 2.8.7 (Tables 2.8.7-1 & 2.8.7-2; Figure 2.8.7-1) | Design Change  | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 95       | 2       | 2.8.7 (Tables 2.8.7-1 & 2.8.7-3)                 | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39  |
| 96       | 2       | 2.8.7 (Table 2.8.7-3)                            | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 97       | 2       | 2.8.7 (Table 2.8.7-3)                            | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 98       | 2       | 2.8.9 (Table 2.8.9-1)                            | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 99       | 2       | 2.9.1 (Tables 2.9.1-1 & 2.9.1-3)                 | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39  |
| 100      | 2       | 2.9.2 (Tables 2.9.2-1 & 2.9.2-2)                 | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39  |
| 101      | 2       | 2.9.3 (Tables 2.9.3-1 & 2.9.3-3)                 | RAI - Advanced | Changes associated with RAI 557 Advanced response to Question 14.03.07-39  |
| 102      | 2       | 2.9.4 (Tables 2.9.4-1 thru 2.9.4-3)              | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 103      | 2       | 2.10.1 (Tables 2.10.1-1, 2.10.1-2)               | RAI            | Changes associated with RAI 530 Supplement 3 response to Question 09.01.05-24  |
| 104      | 3       | 3.5 (Tables 3.5-1 thru 3.5-3)                    | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 105      | 3       | 3.5 (Table 3.5-3)                                | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 106      | 3       | 3.5 (Tables 3.5-3 & 3.5-4; Figure 3.5-1)         | RAI            | Changes associated with RAI 568 Supplement 1 response to Question 06.02.04-13  |
| 107      | 3       | 3.5 (Table 3.5-4)                                | RAI            | Changes associated with RAI 577 Supplement 1 response to Question 14.03.03-54  |
| 108      | 5       | 5.0 (Table 5.0-1 & Note)                         | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78  |
| 109      | 5       | 5.0 (Table 5.0-1 & Note)                         | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63  |
| 110      | 5       | 5.0 (Table 5.0-1)                                | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3   |
|          |         |  |                |  |



Attachment 2  
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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                | Type of Change | Description of Change  |
|----------|---------|---------------------------|----------------|--|
| 1        | Intro   | I (Table I-1)             | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 2        | Intro   | I (Table I-1)             | RAI            | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20  |
| 3        | Intro   | I (Table I-1)             | RAI            | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64   |
| 4        | Intro   | I (Table I-1)             | RAI            | Changes associated with RAI 525 Supplement 14 response to Question 09.01.04-22   |
| 5        | Intro   | I (Table I-1)             | RAI - Advanced | Changes associated with RAI 583 Advanced response to Question 03.08.03-25  |
| 6        | 1       | 1.1 (Table 1.1-1)         | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61  |
| 7        | 1       | 1.1 (Table 1.1-1)         | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 8        | 1       | 1.1 (Table 1.1-1)         | Editorial      | Changes associated with acronym editorial corrections  |
| 9        | 1       | 1.2 (Figure 1.2-37)       | RAI            | Changes associated with RAI 439 Supplement 11 response to Question 14.03.07-36   |
| 10       | 1       | 1.2, 1.2.3.1.2            | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 11       | 1       | 1.2.3.1.2                 | RAI            | Changes associated with RAI 565 Supplement 1 response to Question 19-358   |
| 12       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84  |
| 13       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 14       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 565 Supplement 1 response to Question 19-357   |
| 15       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 565 Supplement 1 response to Question 19-358   |
| 16       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 565 Supplement 1 response to Question 19-360   |
| 17       | 1       | 1.6 (Table 1.6-1)         | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 18       | 1       | 1.6 (Table 1.6-1)         | Editorial      | Changes associated with submittal of Technical Report ANP-10306P Rev. 1  |
| 19       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 20       | 1       | 1.6 (Table 1.6-1)         | RAI            | Changes associated with RAI 403 Supplement 11 response to Questions 15.06.05-61, 15.06.05-62 and 15.06.05-63                                     |
| 21       | 1       | 1.8 (Tables 1.8-1, 1.8-2) | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 22       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8   |
| 23       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 388 Supplement 3 response to Question 03.09.03-22  |
| 24       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 109 Supplement 3 response to Question 03.05.01.03-2  |
| 25       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 273 Supplement 17 response to Question 11.05-2   |
| 26       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 564 Supplement 2 response to Question 08.02-8  |
| 27       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 549 Supplement 2 response to Question 13.03-8  |
| 28       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 29       | 1       | 1.8 (Table 1.8-2)         | RAI            | Changes associated with RAI 291 Supplement 10 response to Question 03.09.05-26   |
| 30       | 1       | 1.8 (Table 1.8-2)         | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                    | Type of Change | Description of Change  |
|----------|---------|-------------------------------|----------------|--|
| 31       | 1       | 1.8 (Table 1.8-2)             | RAI            | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64   |
| 32       | 1       | 1.8 (Table 1.8-2)             | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29     |
| 33       | 1       | 1.8 (Table 1.8-2)             | RAI            | Changes associated with RAI 570 Supplement 4 response to Question 12.03-12.04-32 |
| 34       | 1       | 1.8 (Table 1.8-2)             | RAI - Advanced | Changes associated with RAI 455 Advanced response to Question 19-341             |
| 35       | 1       | 1.8 (Table 1.8-2)             | RAI - Advanced | Changes associated with RAI 579 Advanced response to Question 19-366             |
| 36       | 1       | 1.9 (Table 1.9-2)             | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3               |
| 37       | 1       | 1.9.6                         | Design Change  | Changes associated with US EPR Codes and Standards                               |
| 38       | 2       | 2.1 (Table 2.1-1 & Note)      | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78    |
| 39       | 2       | 2.1 (Table 2.1-1 & Note)      | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63    |
| 40       | 2       | 2.1 (Table 2.1-1)             | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3               |
| 41       | 2       | 2.3, 2.3.1                    | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3               |
| 42       | 2       | 2.5.2.6                       | RAI            | Changes associated with RAI 370 Supplement 23 response to Question 03.07.01-27   |
| 43       | 2       | 2.5.2.6                       | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78    |
| 44       | 2       | 2.5.2.6                       | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63    |
| 45       | 2       | 2.5.4.10.1                    | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78    |
| 46       | 2       | 2.5.4.10.1                    | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63    |
| 47       | 2       | 2.5.4.10.1                    | RAI            | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64   |
| 48       | 3       | 3.1.1.1.1, 3.1.1.2.1          | RAI            | Changes associated with RAI 420 Supplement 12 response to Question 03.02.01-12   |
| 49       | 3       | 3.1.1.1.1, 3.1.1.2.1          | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3               |
| 50       | 3       | 3.1.3.7.1                     | RAI            | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61   |
| 51       | 3       | 3.1.4.4.1                     | RAI            | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61   |
| 52       | 3       | 3.2 (Table 3.2.2-1 & Notes)   | RAI            | Changes associated with RAI 420 Supplement 12 response to Question 03.02.02-7    |
| 53       | 3       | 3.2, 3.2.1                    | RAI            | Changes associated with RAI 420 Supplement 12 response to Question 03.02.01-12   |
| 54       | 3       | 3.2.1.4                       | RAI            | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27       |
| 55       | 3       | 3.2.2 (Table 3.2.2-1 & Notes) | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7         |
| 56       | 3       | 3.2.2 (Table 3.2.2-1 & Notes) | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28           |
| 57       | 3       | 3.2.2 (Table 3.2.2-1)         | RAI            | Changes associated with RAI 530 Supplement 3 response to Question 09.01.05-24    |
| 58       | 3       | 3.2.2 (Table 3.2.2-1)         | RAI            | Changes associated with RAI 567 Supplement 1 response to Question 03.02.02-15    |
| 59       | 3       | 3.2.2 (Table 3.2.2-1)         | RAI            | Changes associated with RAI 569 Supplement 1 response to Question 06.02.02-139   |
| 60       | 3       | 3.2.2 (Table 3.2.2-1)         | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35      |
| 61       | 3       | 3.2.2 (Table 3.2.2-1)         | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356             |

Attachment 2  
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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change    | Description of Change   |
|----------|---------|---|-------------------|---|
| 62       | 3       | 3.2.2 (Table 3.2.2-1)   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 63       | 3       | 3.2.2 (Table 3.2.2-1)   | RAI               | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27  |
| 64       | 3       | 3.2.2 (Table 3.2.2-1)   | RAI - Advanced    | Changes associated with RAI 576 Advanced response to Question 03.02.02-16   |
| 65       | 3       | 3.2.2 (Table 3.2.2-1)   | Corrective Action | Changes associated with reclassification of Vent Stack  |
| 66       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with SSC Classification change to LCQ and Condensate Polisher Shielding  |
| 67       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines                                |
| 68       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with modifications to Self Powered Neutron Detectors (SPND) Amplifier Circuit  |
| 69       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with Classification Changes for Structures, Systems and Components   |
| 70       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies   |
| 71       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 72       | 3       | 3.2.2 (Table 3.2.2-1)   | Design Change     | Changes associated with reclassification of the Vent Stack to Safety Related  |
| 73       | 3       | 3.3, 3.3.2, 3.3.2.1, 3.3.2.2, 3.3.2.3                         | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 74       | 3       | 3.4.1   | RAI               | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8  |
| 75       | 3       | 3.4.1   | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 76       | 3       | 3.4.3.3   | RAI               | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8  |
| 77       | 3       | 3.5 (Tables 3.5-1 & 3.5-2)                                    | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 78       | 3       | 3.5.1, 3.5.1.1.3, 3.5.1.4                                     | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 79       | 3       | 3.5.1.2.3   | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 80       | 3       | 3.5.1.3   | RAI               | Changes associated with RAI 109 Supplement 3 response to Question 03.05.01.03-2   |
| 81       | 3       | 3.5.2, 3.5.3.1.1.3  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 82       | 3       | 3.6.1 (Table 3.6.1-2)   | Design Change     | Changes associated with Supporting Documentation for FSAR Section 3.6 Tables  |
| 83       | 3       | 3.6.1 (Tables 3.6.1-2, 3.6.1-3)                               | Design Change     | Changes associated with AGA Drawings for Safeguard Building Elevator Machine Rooms  |
| 84       | 3       | 3.6.2.5.1   | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 85       | 3       | 3.6.3   | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 86       | 3       | 3.7.1 (Table 3.7.1-1, Note 4)                                 | RAI               | Changes associated with RAI 370 Supplement 23 response to Question 03.07.01-27  |
| 87       | 3       | 3.7.1 (Table 3.7.1-9 and Note; Figures 3.7.1-62 and 3.7.1-63) | RAI               | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63   |
| 88       | 3       | 3.7.1.1.1   | RAI - Advanced    | Changes associated with RAI 376 Advanced response to Question 03.08.05-31   |
| 89       | 3       | 3.7.1.1.1, 3.7.1.1.2  | RAI               | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63   |
| 90       | 3       | 3.7.1.1.2   | RAI - Advanced    | Changes associated with RAI 155 Advanced response to Question 03.08.01-13   |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change | Description of Change  |
|----------|---------|--|----------------|--|
| 91       | 3       | 3.7.1.2  | RAI            | Changes associated with RAI 370 Supplement 23 response to Question 03.07.01-27 |
| 92       | 3       | 3.7.1.2  | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63  |
| 93       | 3       | 3.7.1.3, 3.7.1.4   | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63  |
| 94       | 3       | 3.7.2 (Table 3.7.2-1, Figures 3.7.2-14 thru 3.7.2-46 and 3.7.2-50 thru 3.7.2-55)   | RAI            | Changes associated with RAI 547 Supplement 3 response to Question 03.07.02-76  |
| 95       | 3       | 3.7.2 (Tables 3.7.2-1, 3.7.2-3, 3.7.2-8 & Note, 3.7.2-9, 3.7.2-10, 3.7.2-29, 3.7.2-32; Figures 3.7.2-14 thru 3.7.2-46 and 3.7.2-50 thru 3.7.2-55, 3.7.2-59, 3.7.2-60, 3.7.2-67 thru 3.7.2-70, 3.7.2-74 thru 3.7.2-100, 3.7.2-104 thru 3.7.2-124, 3.7.2-126, 3.7.2-128 thru 3.7.2-130, 3.7.2-132, 3.7.2-137, 3.7.2-147, 3.7.2-153 thru 3.7.2-160) | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63  |
| 96       | 3       | 3.7.2 (Tables 3.7.2-9, 3.7.2-28; Figures 3.7.2-71 thru 3.7.2-73, 3.7.2-101 thru 3.7.2-103, 3.7.2-148 thru 3.7.2-150)   | RAI - Advanced | Changes associated with RAI 376 Advanced response to Question 03.08.05-31      |
| 97       | 3       | 3.7.2 (Table 3.7.2-10)   | RAI            | Changes associated with RAI 370 Supplement 23 response to Question 03.07.01-27 |
| 98       | 3       | 3.7.2 (Figures 3.7.2-151 and 3.7.2-152), 3.7.2.3.1.4   | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78  |
| 99       | 3       | 3.7.2.1.1, 3.7.2.1.3, 3.7.2.1.4  | RAI            | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change    | Description of Change  |
|----------|---------|---|-------------------|--|
| 100      | 3       | 3.7.2.2, 3.7.2.3.1, 3.7.2.3.1.1, 3.7.2.3.1.2, 3.7.2.3.1.3, 3.7.2.3.1.4, 3.7.2.3.2, 3.7.2.4, 3.7.2.4.1, 3.7.2.4.2, 3.7.2.4.3, 3.7.2.4.4, 3.7.2.4.5, 3.7.2.4.6, 3.7.2.5, 3.7.2.16 | RAI               | Changes associated with RAI 320 Supplement 8 response to Question 03.07.02-63        |
| 101      | 3       | 3.7.2.3.1   | RAI               | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61        |
| 102      | 3       | 3.7.2.3.1.2   | RAI               | Changes associated with RAI 547 Supplement 3 response to Question 03.07.02-76        |
| 103      | 3       | 3.7.2.3.1.4   | RAI - Advanced    | Changes associated with RAI 376 Advanced response to Question 03.08.05-31            |
| 104      | 3       | 3.7.2.4.2, 3.7.2.4.6  | RAI               | Changes associated with RAI 370 Supplement 23 response to Question 03.07.01-27       |
| 105      | 3       | 3.7.2.5   | RAI - Advanced    | Changes associated with RAI 376 Advanced response to Question 03.08.05-31            |
| 106      | 3       | 3.7.2.8   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356                 |
| 107      | 3       | 3.7.2.8 (Table 3.7.2-30)  | RAI               | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64       |
| 108      | 3       | 3.8   | RAI               | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61        |
| 109      | 3       | 3.8 (Table 3.8-13; Figures 3.8-103, 3.8-105, 3.8-107 thru 3.8-115)  | RAI               | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78        |
| 110      | 3       | 3.8 (Figure 3.8-53)   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356                 |
| 111      | 3       | 3.8 (Figures 3.8-56, 3.8-57, 3.8-63, 3.8-78, 3.8-79 & 3.8-85)   | Corrective Action | Changes associated with revisions to Safeguard Building General Arrangement Drawings |
| 112      | 3       | 3.8 (Figure 3.8-101)  | RAI               | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41       |
| 113      | 3       | 3.8 (Figure 3.8-111)  | RAI - Advanced    | Changes associated with RAI 376 Advanced response to Question 03.08.05-31            |
| 114      | 3       | 3.8 (Figures 3.8-124 thru 3.8-136)  | RAI - Advanced    | Changes associated with RAI 354 Advanced response to Question 03.08.05-22            |
| 115      | 3       | 3.8.1.1, 3.8.1.2.1, 3.8.1.2.2, 3.8.1.2.3, 3.8.1.6   | RAI - Advanced    | Changes associated with RAI 583 Advanced response to Question 03.08.03-25            |
| 116      | 3       | 3.8.1.1, 3.8.1.3.1  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3                   |
| 117      | 3       | 3.8.1.7.1   | RAI               | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-59        |
| 118      | 3       | 3.8.1.7.1, 3.8.1.7.2  | RAI - Advanced    | Changes associated with RAI 583 Advanced response to Question 03.08.03-25            |
| 119      | 3       | 3.8.2.1.1   | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3                   |
| 120      | 3       | 3.8.2.2.1, 3.8.2.2.2, 3.8.2.2.3   | RAI - Advanced    | Changes associated with RAI 583 Advanced response to Question 03.08.03-25            |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change | Description of Change   |
|----------|---------|--|----------------|---|
| 121      | 3       | 3.8.2.3.1  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                        |
| 122      | 3       | 3.8.3.1.1  | RAI            | Changes associated with RAI 513 Supplement 12 response to Question 09.01.04-20            |
| 123      | 3       | 3.8.3.1.13   | RAI            | Changes associated with RAI 570 Supplement 3 response to Question 12.03-12.04-32          |
| 124      | 3       | 3.8.3.2.1, 3.8.3.2.3   | RAI - Advanced | Changes associated with RAI 583 Advanced response to Question 03.08.03-25                 |
| 125      | 3       | 3.8.3.3.1  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                        |
| 126      | 3       | 3.8.3.4.4  | RAI - Advanced | Changes associated with RAI 412 Advanced response to Question 03.07.02-74                 |
| 127      | 3       | 3.8.4.1.2, 3.8.4.1.3, 3.8.4.1.5, 3.8.4.1.8, 3.8.4.3.1, 3.8.4.4.1, 3.8.4.4.3, 3.8.4.4.4 | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                        |
| 128      | 3       | 3.8.4.2.1, 3.8.4.2.3   | RAI - Advanced | Changes associated with RAI 583 Advanced response to Question 03.08.03-25                 |
| 129      | 3       | 3.8.4.4.1  | RAI - Advanced | Changes associated with RAI 412 Advanced response to Question 03.07.02-74                 |
| 130      | 3       | 3.8.5.1.1, 3.8.5.2, 3.8.5.3, 3.8.5.4.1   | RAI - Advanced | Changes associated with RAI 583 Advanced response to Question 03.08.03-25                 |
| 131      | 3       | 3.8.5.3, 3.8.5.4.1, 3.8.5.4.2  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                        |
| 132      | 3       | 3.8.5.4.2  | RAI            | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78             |
| 133      | 3       | 3.8.6  | Design Change  | Changes associated with US EPR Codes and Standards  |
| 134      | 3       | 3.8.6  | RAI - Advanced | Changes associated with RAI 583 Advanced response to Question 03.08.03-25                 |
| 135      | 3       | 3.9.1.1.3  | Editorial      | Changes associated with acronym editorial corrections                                     |
| 136      | 3       | 3.9.2.7  | Editorial      | Changes associated with submittal of Technical Report ANP-10306P Rev. 1                   |
| 137      | 3       | 3.9.3 (Tables 3.9.3-2 & Note, 3.9.3-4 & Note), 3.9.3.1.1                               | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                        |
| 138      | 3       | 3.9.3, 3.9.3.1, 3.9.3.1.1  | RAI            | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14             |
| 139      | 3       | 3.9.3.1.1  | RAI            | Changes associated with RAI 388 Supplement 3 response to Question 03.09.03-22             |
| 140      | 3       | 3.9.3.3  | RAI            | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20             |
| 141      | 3       | 3.9.4  | RAI            | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61            |
| 142      | 3       | 3.9.5.2  | RAI            | Changes associated with RAI 291 Supplement 10 response to Question 03.09.05-26            |
| 143      | 3       | 3.9.6 (Tables 3.9.6-1 & 3.9.6.2)   | Design Change  | Changes associated with In Service Testing requirements for pumps and valves              |
| 144      | 3       | 3.9.6 (Table 3.9.6.2)  | RAI            | Changes associated with RAI 497 Supplement 7 response to Question 03.09.06-19             |
| 145      | 3       | 3.9.6 (Table 3.9.6.2)  | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8              |
| 146      | 3       | 3.9.6 (Table 3.9.6-2)  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                      |
| 147      | 3       | 3.9.6 (Table 3.9.6-2)  | Editorial      | Changes associated with correction to ASME OM Code Category for Valve ID No. 30PEB22AA196 |



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| Item No. | Chapter | Subsection                    | Type of Change    | Description of Change   |
|----------|---------|-------------------------------|-------------------|---|
| 148      | 3       | 3.9.6 (Table 3.9.6-2)         | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines                                |
| 149      | 3       | 3.9.6 (Table 3.9.6-2)         | Design Change     | Changes associated with operation of Essential Service Water System valves as MOVs  |
| 150      | 3       | 3.9.6.1                       | RAI               | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20   |
| 151      | 3       | 3.10 (Table 3.10-1)           | RAI               | Changes associated with RAI 406 Supplement 15 response to Question 09.02.02-114   |
| 152      | 3       | 3.10 (Table 3.10-1)           | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 153      | 3       | 3.10 (Table 3.10-1)           | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 154      | 3       | 3.10 (Table 3.10-1)           | Editorial         | Changes associated with format of entries for EQ Designated Function and Safety Class (NABVS)   |
| 155      | 3       | 3.10 (Table 3.10-1)           | RAI               | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8  |
| 156      | 3       | 3.10 (Table 3.10-1)           | RAI               | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 157      | 3       | 3.10 (Table 3.10-1)           | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines                                |
| 158      | 3       | 3.10 (Table 3.10-1)           | Design Change     | Changes associated with Electrical Changes to U.S. EPR FSAR Table 3.2.2-1   |
| 159      | 3       | 3.10 (Table 3.10-1)           | Design Change     | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 160      | 3       | 3.10 (Table 3.10-1)           | Design Change     | Changes associated with AGA Drawings for Safeguard Building Elevator Machine Rooms  |
| 161      | 3       | 3.10 (Tables 3.10-1 & 3.10-2) | Corrective Action | Changes associated with Equipment Qualification / safety designation of Fuel Pool Cooling Components  |
| 162      | 3       | 3.10 (Tables 3.10-1, 3.10-2)  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 163      | 3       | 3.10 (Tables 3.10-1, 3.10-2)  | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 164      | 3       | 3.10 (Table 3.10-2)           | RAI - Advanced    | Changes associated with RAI 576 Advanced response to Question 03.02.02-16   |
| 165      | 3       | 3.10.1.1, 3.10.2              | RAI               | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20   |
| 166      | 3       | 3.10.4                        | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 167      | 3       | 3.11                          | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 168      | 3       | 3.11 (Table 3.11-1)           | RAI               | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8  |
| 169      | 3       | 3.11 (Table 3.11-1)           | RAI               | Changes associated with RAI 406 Supplement 15 response to Question 09.02.02-114   |
| 170      | 3       | 3.11 (Table 3.11-1)           | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 171      | 3       | 3.11 (Table 3.11-1)           | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 172      | 3       | 3.11 (Table 3.11-1)           | Corrective Action | Changes associated with reclassification of Vent Stack  |
| 173      | 3       | 3.11 (Table 3.11-1)           | Design Change     | Changes associated with AGA Drawings for Safeguard Building Elevator Machine Rooms  |
| 174      | 3       | 3.11 (Table 3.11-1)           | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines                                |
| 175      | 3       | 3.11 (Table 3.11-1)           | Design Change     | Changes associated with modifications to Self Powered Neutron Detectors (SPND) Amplifier Circuit  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change    | Description of Change   |
|----------|---------|---|-------------------|---|
| 176      | 3       | 3.11 (Table 3.11-1)   | Design Change     | Changes associated with Environmental Qualification Program Designation for Fuel Pool Cooling and Purification System ILCO Isolation Valve                                  |
| 177      | 3       | 3.11 (Table 3.11-1)   | Design Change     | Changes associated with operation of Essential Service Water System valves as MOVs  |
| 178      | 3       | 3.11 (Table 3.11-1)   | Design Change     | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 179      | 3       | 3.11 (Table 3.11-1)   | Design Change     | Changes associated with reclassification of the Vent Stack to Safety Related  |
| 180      | 3       | 3.11 (Tables 3.11-1 & 3.11-2)   | RAI               | Changes associated with RAI 525 Supplement 9 response to Question 09.01.04-38   |
| 181      | 3       | 3.11 (Tables 3.11-1 & 3.11-2)   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 182      | 3       | 3.11 (Tables 3.11-1 & 3.11-2)   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 183      | 3       | 3.11 (Tables 3.11-1 & 3.11-2)   | RAI - Advanced    | Changes associated with RAI 576 Advanced response to Question 03.02.02-16   |
| 184      | 3       | 3.11 (Tables 3.11-1 & 3.11-2)   | Corrective Action | Changes associated with Equipment Qualification / safety designation of Fuel Pool Cooling Components  |
| 185      | 3       | 3.11 (Tables 3.11-1, 3.11-2)  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 186      | 3       | 3.11.2.2  | RAI               | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20   |
| 187      | 3       | 3.11.7  | RAI               | Changes associated with RAI 585 Supplement 1 response to Question 03.09.06-20   |
| 188      | 3       | 3.12.5.9, 3.12.5.10.1, 3.12.5.10.3  | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14   |
| 189      | 3       | 3.12.5.10.4   | RAI               | Changes associated with RAI 388 Supplement 3 response to Question 03.09.03-22   |
| 190      | 3       | 3B (Figure 3B-1)  | RAI               | Changes associated with RAI 439 Supplement 11 response to Question 14.03.07-36  |
| 191      | 3       | 3B (Figure 3B-1)  | RAI               | Changes associated with RAI 370 Supplement 24 response to Question 03.07.02-64  |
| 192      | 3       | 3B (Figure 3B-30)   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 193      | 3       | 3B (Figures 3B-33, 3B-34, 3B-40, 3B-55, 3B-56 & 3B-62)  | Corrective Action | Changes associated with revisions to Safeguard Building Dimensional Arrangement Drawings  |
| 194      | 3       | 3C (Figure 3C-9), 3C.4.2.2.1  | RAI               | Changes associated with RAI 371 Supplement 29 response to Question 03.07.01-29  |
| 195      | 3       | 3D (Table 3D-1)   | RAI               | Changes associated with RAI 218 Supplement 3 response to Question 03.04.01-8  |
| 196      | 3       | 3D (Table 3D-8)   | RAI               | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 197      | 3       | 3D (Tables 3D-4 thru 3D-7)  | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 198      | 3       | 3E (Table 3E.1-38)  | Design Change     | Changes associated with AGA Drawings for Safeguard Building Elevator Machine Rooms  |
| 199      | 3       | 3E, 3E.1, 3E.1.1 thru 3E.1.9 (Tables 3E.1-3 thru 3E.1-37, 3E.1-40 & 3E.1-41; Figures 3E.1-1 thru 3E.1-76) | RAI               | Changes associated with removal of obsolete material in advance of the RAI 155 response to Question 03.8.4-6, Critical Sections   |



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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change    | Description of Change  |
|----------|---------|--|-------------------|--|
| 200      | 3       | 3E.1   | RAI               | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78  |
| 201      | 3       | 3E.1 (Table 3E.1-40)   | RAI               | Changes associated with RAI 547 Supplement 6 response to Question 03.07.02-78  |
| 202      | 3       | 3E.2, 3E.2.1 thru 3E.2.3 (Tables 3E.2-1 thru 3E.2-6 & 3E.2-9; Figures 3E.2-1 thru 3E.2-12) | RAI               | Changes associated with removal of obsolete material in advance of the RAI 155 response to Question 03.8.4-6, Critical Sections                  |
| 203      | 3       | 3E.3, 3E.3.1 thru 3E.3.3 (Tables 3E.3-1 thru 3E.3-10; Figures 3E.3-2 thru 3E.3-10)         | RAI               | Changes associated with removal of obsolete material in advance of the RAI 155 response to Question 03.8.4-6, Critical Sections                  |
| 204      | 4       | 4.1 (Table 4.1-2), 4.1.2   | RAI               | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 205      | 4       | 4.2, 4.2.1.4, 4.2.1.4.1, 4.2.1.5.3, 4.2.1.5.10, 4.2.1.5.12                                 | RAI               | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 206      | 4       | 4.2.2.2, 4.2.3.4, 4.2.3.5, 4.2.3.5.1, 4.2.3.5.2, 4.2.3.5.5, 4.2.3.5.6, 4.2.3.5.7           | RAI               | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 207      | 4       | 4.2.4.2, 4.2.4.2.2, 4.2.4.2.5, 4.2.4.3.2, 4.2.5, 4.3.5                                     | RAI               | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 208      | 4       | 4.4.2.6.3, 4.4.2.7.2, 4.4.7  | RAI               | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 209      | 4       | 4.6.1  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 210      | 4       | 4.6.6  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 211      | 5       | 5.1 (Figure 5.1-4)   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 212      | 5       | 5.2 (Table 5.2-1 & Note 4)   | RAI               | Changes associated with RAI 560 response to Question 05.02.01.01-7   |
| 213      | 5       | 5.2 (Table 5.2-3)  | RAI               | Changes associated with RAI 556 Supplement 1 response to Question 09.03.04-27  |
| 214      | 5       | 5.2.2.9  | Corrective Action | Changes associated with Pressurizer Safety Relief Valve design per BTP 5-2, Section B.3  |
| 215      | 5       | 5.2.3.2.1  | RAI               | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61   |
| 216      | 5       | 5.2.5.5.3  | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28   |
| 217      | 5       | 5.3 (Table 5.3-4)  | Corrective Action | Changes associated with correction to Table 5.3-4 headings for Fluence Columns   |
| 218      | 5       | 5.4.1.1, 5.4.1.2.1   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 219      | 5       | 5.4.7.2.1  | RAI - Advanced    | Changes associated with RAI 579 Advanced response to Question 19-366   |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change    | Description of Change   |
|----------|---------|---|-------------------|---|
| 220      | 5       | 5.4.13.2  | Editorial         | Changes associated with correction of reference to Table 5.4-8  |
| 221      | 6       | 6.1.1.4   | Corrective Action | Changes associated with correction of error in FSAR Rev. 4 processing of RAI 546 Supplement 1 response to Question 06.02.02-130 |
| 222      | 6       | 6.2.1 (Table 6.2.1-3)   | RAI               | Changes associated with RAI 389 Supplement 14 response to Question 06.02.02-49  |
| 223      | 6       | 6.2.1 (Table 6.2.1-4 & Notes)                                 | RAI               | Changes associated with RAI 575 Supplement 1 response to Question 06.02.01-105  |
| 224      | 6       | 6.2.1.1.1   | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 225      | 6       | 6.2.1.1.2   | RAI               | Changes associated with RAI 575 Supplement 1 response to Question 06.02.01-105  |
| 226      | 6       | 6.2.3 (Tables 6.2.3-1 thru 6.2.3-3; Figures 6.2.3-1, 6.2.3-2) | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 227      | 6       | 6.2.3 (Table 6.2.3-2 & Notes)                                 | RAI               | Changes associated with RAI 233 Supplement 7 response to Question 06.05.03-1  |
| 228      | 6       | 6.2.3.1   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 229      | 6       | 6.2.3.1   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 230      | 6       | 6.2.3.2.1   | RAI               | Changes associated with RAI 233 Supplement 7 response to Question 06.05.03-1  |
| 231      | 6       | 6.2.3.2.2.1, 6.2.3.2.2.2                                      | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 232      | 6       | 6.2.3.2.2.1, 6.2.3.2.2.2, 6.2.3.2.2.3                         | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 233      | 6       | 6.2.3.2.3   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 234      | 6       | 6.2.3.2.3, 6.2.3.3 thru 6.2.3.5                               | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 235      | 6       | 6.2.3.3   | RAI               | Changes associated with RAI 233 Supplement 7 response to Question 06.05.03-1  |
| 236      | 6       | 6.2.4 (Table 6.2.4-1 & Notes)                                 | RAI               | Changes associated with RAI 414 Supplement 17 response to Question 07.03-30   |
| 237      | 6       | 6.2.4 (Table 6.2.4-1)   | RAI               | Changes associated with RAI 406 Supplement 15 response to Question 09.02.02-114   |
| 238      | 6       | 6.2.4 (Table 6.2.4-1)   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35   |
| 239      | 6       | 6.2.4 (Table 6.2.4-1)   | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 240      | 6       | 6.2.4 (Table 6.2.4-1)   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 241      | 6       | 6.2.4.2.2   | RAI - Advanced    | Changes associated with RAI 529 Advanced response to Question 12.03-12.04-28  |
| 242      | 6       | 6.2.4.2.2   | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 243      | 6       | 6.2.4.2.5   | RAI               | Changes associated with RAI 414 Supplement 17 response to Question 07.03-30   |
| 244      | 6       | 6.2.5 (Figures 6.2.5-2 thru 6.2.5-9)                          | RAI - Advanced    | Changes associated with RAI 566 Advanced response to Question 06.02.05-32   |
| 245      | 6       | 6.2.5 (Figures 6.2.5-10 thru 6.2.5-14)                        | RAI               | Changes associated with RAI 553 Supplement 4 response to Question 06.02.05-31   |
| 246      | 6       | 6.2.5 (Figure 6.2.5-15)                                       | RAI               | Changes associated with RAI 473 Supplement 6 response to Question 06.02.05-24   |
| 247      | 6       | 6.2.5.2.1   | RAI               | Changes associated with RAI 553 Supplement 4 response to Question 06.02.05-31   |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change  |
|----------|---------|---|----------------|--|
| 248      | 6       | 6.2.5.2.1   | RAI            | Changes associated with RAI 574 Supplement 1 response to Question 06.02.05-33                |
| 249      | 6       | 6.2.5.3, 6.2.5.3.2, 6.2.5.3.3                                       | RAI            | Changes associated with RAI 553 Supplement 4 response to Question 06.02.05-31                |
| 250      | 6       | 6.2.5.3.1   | RAI - Advanced | Changes associated with RAI 566 Advanced response to Question 06.02.05-32                    |
| 251      | 6       | 6.2.5.3.2   | RAI            | Changes associated with RAI 473 Supplement 6 response to Question 06.02.05-24                |
| 252      | 6       | 6.2.6 (Figure 6.2.6-1)  | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8                 |
| 253      | 6       | 6.2.6.5   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8                 |
| 254      | 6       | 6.2.6.6   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8                 |
| 255      | 6       | 6.2.8   | RAI            | Changes associated with RAI 553 Supplement 4 response to Question 06.02.05-31                |
| 256      | 6       | 6.3   | RAI            | Changes associated with RAI 511 Supplement 5 response to Question 06.02.02-125               |
| 257      | 6       | 6.3   | RAI            | Changes associated with RAI 511 Supplement 5 response to Question 06.02.02-126               |
| 258      | 6       | 6.3 (Table 6.3-6; Figure 6.3-2 Sht 1 of 2)                          | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                         |
| 259      | 6       | 6.3 (Tables 6.3-2, 6.3-3; Figures 6.3-8 thru 6.3-11)                | RAI            | Changes associated with RAI 553 Supplement 3 response to Question 06.03-18                   |
| 260      | 6       | 6.3.2.2.1, 6.3.2.2.2  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                         |
| 261      | 6       | 6.3.2.2.2   | RAI            | Changes associated with RAI 511 Supplement 5 response to Question 06.02.02-125               |
| 262      | 6       | 6.3.3.3   | RAI            | Changes associated with RAI 553 Supplement 3 response to Question 06.03-18                   |
| 263      | 6       | 6.3.6   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                         |
| 264      | 6       | 6.3.6   | RAI            | Changes associated with RAI 553 Supplement 3 response to Question 06.03-18                   |
| 265      | 6       | 6.3.6   | Design Change  | Changes associated with US EPR Codes and Standards   |
| 266      | 6       | 6.4.2.2, 6.4.2.3, 6.4.5, 6.4.7                                      | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                     |
| 267      | 6       | 6.5.1 (Table 6.5-1)   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                     |
| 268      | 6       | 6.5.1.1, 6.5.1.2.1, 6.5.1.2.2, 6.5.1.3, 6.5.1.4, 6.5.3.2, 6.5.4     | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                     |
| 269      | 6       | 6.5.4   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8                 |
| 270      | 6       | 6.8 (Figure 6.8-1)  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                         |
| 271      | 7       | 7.1 (Table 7.1-5 & Notes; Figure 7.1-1 Sht 11 of 16; Figure 7.1-29) | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                  |
| 272      | 7       | 7.1 (Tables 7.1-5, 7.1-7; Figure 7.1-1)                             | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                  |
| 273      | 7       | 7.1 (Figures 7.1-6 and 7.1-13)                                      | RAI            | Changes associated with RAI 505 Supplement 29 FSAR markups for response to Question 07.01-44 |
| 274      | 7       | 7.1 (Figures 7.1-6, 7.1-13)   | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44                  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change    | Description of Change   |
|----------|---------|--|-------------------|---|
| 275      | 7       | 7.1 (Figure 7.1-29)  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-36                                     |
| 276      | 7       | 7.1, 7.1.1.4.3, 7.1.1.6.5, 7.1.3.6.13 (Tables 7.1-4 & 7.1-9; Figures 7.1-1, 7.1-2, 7.1-6, 7.1-8, 7.1-21 Shts 1 and 2 of 2) | RAI               | Changes associated with RAI 555 Supplement 4 response to Question 07.01-54                                      |
| 277      | 7       | 7.1, 7.1.1.6.5 (Figure 7.1-30)   | RAI               | Changes associated with RAI 555 Supplement 4 response to Question 07.01-55                                      |
| 278      | 7       | 7.1.1.2  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                                     |
| 279      | 7       | 7.1.1.3.1  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 280      | 7       | 7.1.1.3.2  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                                     |
| 281      | 7       | 7.1.1.3.2  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 282      | 7       | 7.1.1.4.2  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-36                                     |
| 283      | 7       | 7.1.1.4.2  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                                     |
| 284      | 7       | 7.1.1.4.6  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 285      | 7       | 7.1.1.6.4  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                                     |
| 286      | 7       | 7.1.1.6.6, 7.1.1.6.7   | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 287      | 7       | 7.1.2 (Table 7.1-2; Figures 7.1-11, 7.1-12)  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 288      | 7       | 7.1.3.2.13   | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 289      | 7       | 7.1.3.4.6, 7.1.3.4.7, 7.1.3.4.9  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                                      |
| 290      | 7       | 7.1.3.6.7  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 291      | 7       | 7.1.4  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 292      | 7       | 7.1.4  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                                     |
| 293      | 7       | 7.2.1.3.5  | RAI               | Changes associated with RAI 555 Supplement 4 response to Question 07.01-54                                      |
| 294      | 7       | 7.2.3  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                                     |
| 295      | 7       | 7.3 (Figure 7.3-20)  | RAI               | Changes associated with RAI 414 Supplement 17 response to Question 07.03-30                                     |
| 296      | 7       | 7.3 (Figure 7.3-21)  | Corrective Action | Changes associated with signal reception for Valve Numbers 30KBA34 AA012 and 30KBA35 AA001 (consistency change) |
| 297      | 7       | 7.3 (Figure 7.3-23)  | Corrective Action | Changes associated with Figure 7.3-23/Chapter 8, Section 8.3.1.1.3 Inconsistencies                              |
| 298      | 7       | 7.3 (Figures 7.3-33 Shts 1 & 2 of 2, 7.3-35)   | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                                     |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change    | Description of Change   |
|----------|---------|--|-------------------|---|
| 299      | 7       | 7.3 (Figures 7.3-33, 7.3-35, 7.3-36, 7.3-38, 7.3-39, 7.3-42, 7.3-45 thru 7.3-47, 7.3-49, 7.3-53, 7.3-60, 7.3-65 thru 7.3-69) | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |
| 300      | 7       | 7.3, 7.3.1.1, 7.3.1.2.11, 7.3.1.2.12   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |
| 301      | 7       | 7.3.1  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44                     |
| 302      | 7       | 7.3.1.1, 7.3.1.2.2, 7.3.1.2.8, 7.3.1.2.10, 7.3.1.2.12, 7.3.1.2.15, 7.3.1.2.17, 7.3.1.4.1, 7.3.1.4.6                          | RAI               | Changes associated with RAI 555 Supplement 4 response to Question 07.01-54                      |
| 303      | 7       | 7.3.1.2.9  | RAI               | Changes associated with RAI 414 Supplement 17 response to Question 07.03-30                     |
| 304      | 7       | 7.3.1.2.12   | Corrective Action | Changes associated with correction of the Emergency Diesel Generator actuation loading sequence |
| 305      | 7       | 7.3.1.2.12   | Corrective Action | Changes associated with Figure 7.3-23/Chapter 8, Section 8.3.1.1.3 Inconsistencies              |
| 306      | 7       | 7.3.1.2.14   | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28                          |
| 307      | 7       | 7.3.1.3.1, 7.3.1.3.3, 7.3.1.3.5, 7.3.1.4.1, 7.3.1.4.2, 7.3.1.4.3, 7.3.1.4.4, 7.3.1.4.6                                       | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |
| 308      | 7       | 7.3.1.3.3  | RAI               | Changes associated with RAI 511 Supplement 7 response to Question 06.04-10                      |
| 309      | 7       | 7.3.2.1.3  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44                     |
| 310      | 7       | 7.3.2.3.3  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |
| 311      | 7       | 7.3.2.3.3  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                     |
| 312      | 7       | 7.3.3  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                     |
| 313      | 7       | 7.4.1.3.4  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53                      |
| 314      | 7       | 7.5 (Table 7.5-1)  | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28                          |
| 315      | 7       | 7.6 (Figures 7.6-1 thru 7.6-3, 7.6-5 thru 7.6-10, 7.6-12)  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |
| 316      | 7       | 7.6 (Figures 7.6-1, 7.6-5 thru 7.6-8)  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                     |
| 317      | 7       | 7.6.1.2.1 thru 7.6.1.2.7   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                     |

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| Item No. | Chapter | Subsection   | Type of Change    | Description of Change  |
|----------|---------|--|-------------------|--|
| 318      | 7       | 7.6.1.2.4  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 319      | 7       | 7.6.1.2.5, 7.6.1.2.7   | RAI               | Changes associated with RAI 555 Supplement 4 response to Question 07.01-54   |
| 320      | 7       | 7.6.1.2.7  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 321      | 7       | 7.7.2.2.6  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 322      | 7       | 7.7.2.3.2  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 323      | 7       | 7.7.2.3.5  | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 324      | 7       | 7.7.2.7  | RAI               | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 325      | 7       | 7.8 (Table 7.8-1)  | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35  |
| 326      | 7       | 7.8.1 (Table 7.8-1 & Notes)  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 327      | 7       | 7.8.1.1.3  | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 328      | 7       | 7.8.3  | RAI               | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |
| 329      | 8       | 8.1.4.1  | RAI               | Changes associated with RAI 564 Supplement 1 response to Question 08.02-8  |
| 330      | 8       | 8.2 (Table 8.2-1)  | RAI               | Changes associated with RAI 564 Supplement 2 response to Question 08.02-8  |
| 331      | 8       | 8.2.2.1  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 332      | 8       | 8.2.2.4  | RAI               | Changes associated with RAI 564 Supplement 2 response to Question 08.02-8  |
| 333      | 8       | 8.3 (Tables 8.3-2 & Notes, 8.3-4, 8.3-7 and 8.3-12; Figures 8.3-1, 8.3-2, 8.3-5) | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 334      | 8       | 8.3 (Tables 8.3-4 thru 8.3-7)  | Corrective Action | Changes associated with design impacts due to Ultimate Heat Sink size increase   |
| 335      | 8       | 8.3.1.1.1  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 336      | 8       | 8.3.1.1.5  | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 337      | 8       | 8.3.1.1.5, 8.3.1.1.7   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 338      | 8       | 8.3.1.1.7  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 339      | 8       | 8.3.1.2.1  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 340      | 8       | 8.3.1.2.11   | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 341      | 8       | 8.3.2.1.1.1, 8.3.2.1.1.6, 8.3.2.1.1.7  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 342      | 8       | 8.3.2.2.1  | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 343      | 8       | 8.3.2.2.8  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 344      | 8       | 8.3.3  | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 345      | 8       | 8.3.3  | Design Change     | Changes associated with US EPR Codes and Standards   |



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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change     | Description of Change  |
|----------|---------|---|--------------------|--|
| 346      | 8       | 8.3.4 (Tables 8.3-4 & Notes, 8.3-5 & Note, 8.3-6 & Note, 8.3-7 & Notes) | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                             |
| 347      | 8       | 8.4 (Tables 8.4-1 & 8.4-2)  | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                             |
| 348      | 8       | 8.4.1.4   | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                             |
| 349      | 9       | 9.1.2   | Consistency Update | Changes associated with description of New and Spent Fuel Storage                                    |
| 350      | 9       | 9.1.2 (Figures 9.1.2-2 & 9.1.2-7)                                       | RAI - Advanced     | Changes associated with RAI 445 Advanced response to Question 03.08.04-15                            |
| 351      | 9       | 9.1.2.2.2   | RAI                | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61                       |
| 352      | 9       | 9.1.2.3   | RAI                | Changes associated with RAI 526 Supplement 5 response to Question 09.01.02-40                        |
| 353      | 9       | 9.1.3 (Table 9.1.3-1; Figure 9.1.3-2 Shts 1 thru 5 of 5)                | Design Change      | Changes associated with Fuel Pool Cooling and Purification System Design for Overpressure Protection |
| 354      | 9       | 9.1.3.1   | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                               |
| 355      | 9       | 9.1.3.4   | RAI                | Changes associated with RAI 526 Supplement 4 response to Question 09.01.03-15                        |
| 356      | 9       | 9.1.3.4   | RAI                | Changes associated with RAI 526 Supplement 5 response to Question 09.01.02-40                        |
| 357      | 9       | 9.1.3.4   | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                               |
| 358      | 9       | 9.1.3.4   | Consistency Update | Changes associated with safety evaluation for the Fuel Pool Cooling and Purification System          |
| 359      | 9       | 9.1.4 (Table 9.1.4-2)   | RAI                | Changes associated with RAI 525 Supplement 14 response to Question 09.01.04-22                       |
| 360      | 9       | 9.1.4 (Figure 9.1.4-12)   | RAI                | Changes associated with RAI 513 Supplement 12 response to Question 09.01.04-20                       |
| 361      | 9       | 9.1.4 (Figure 9.1.4-13)   | RAI                | Changes associated with RAI 525 Supplement 13 response to Question 09.01.04-30                       |
| 362      | 9       | 9.1.4.2   | RAI                | Changes associated with RAI 525 Supplement 6 response to Question 09.01.04-32                        |
| 363      | 9       | 9.1.4.2   | RAI                | Changes associated with RAI 525 Supplement 6 response to Question 09.01.04-35                        |
| 364      | 9       | 9.1.4.2   | RAI                | Changes associated with RAI 525 Supplement 7 response to Question 09.01.04-34                        |
| 365      | 9       | 9.1.4.2.1   | RAI                | Changes associated with RAI 525 Supplement 12 response to Question 09.01.04-23                       |
| 366      | 9       | 9.1.4.2.1   | RAI                | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61                       |
| 367      | 9       | 9.1.4.2.1   | RAI                | Changes associated with RAI 526 Supplement 6 response to Question 09.01.02-41                        |
| 368      | 9       | 9.1.4.2.1   | RAI                | Changes associated with RAI 534 Supplement 4 response to Question 09.01.04-39                        |
| 369      | 9       | 9.1.4.2.1, 9.1.4.3.3  | RAI                | Changes associated with RAI 513 Supplement 12 response to Question 09.01.04-20                       |
| 370      | 9       | 9.1.4.2.2   | RAI                | Changes associated with RAI 525 Supplement 11 response to Question 09.01.04-29                       |
| 371      | 9       | 9.1.4.2.2   | RAI                | Changes associated with RAI 525 Supplement 13 response to Question 09.01.04-30                       |
| 372      | 9       | 9.1.4.2.2   | RAI                | Changes associated with RAI 525 Supplement 14 response to Question 09.01.04-33                       |
| 373      | 9       | 9.1.4.2.2   | RAI                | Changes associated with RAI 525 Supplement 14 response to Question 09.01.04-37                       |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change    | Description of Change   |
|----------|---------|--|-------------------|---|
| 374      | 9       | 9.1.4.2.2  | RAI               | Changes associated with RAI 525 Supplement 15 response to Question 09.01.04-31  |
| 375      | 9       | 9.1.4.2.2  | Design Change     | Changes associated with ANSI N14.6 Code Year  |
| 376      | 9       | 9.1.4.2.2, 9.1.4.3.1   | RAI               | Changes associated with RAI 525 Supplement 7 response to Question 09.01.04-21   |
| 377      | 9       | 9.1.4.3  | RAI               | Changes associated with RAI 525 Supplement 11 response to Question 09.01.04-29  |
| 378      | 9       | 9.1.4.3  | RAI               | Changes associated with RAI 534 Supplement 4 response to Question 09.01.04-39   |
| 379      | 9       | 9.1.4.3.1  | RAI               | Changes associated with RAI 525 Supplement 13 response to Question 09.01.04-24  |
| 380      | 9       | 9.1.4.3.4  | RAI               | Changes associated with RAI 526 Supplement 5 response to Question 09.01.02-40   |
| 381      | 9       | 9.1.4.4  | RAI               | Changes associated with RAI 525 Supplement 10 response to Question 09.01.04-27  |
| 382      | 9       | 9.1.4.5  | RAI               | Changes associated with RAI 525 Supplement 14 response to Question 09.01.04-22  |
| 383      | 9       | 9.1.4.5, 9.1.4.6   | RAI               | Changes associated with RAI 525 Supplement 9 response to Question 09.01.04-38   |
| 384      | 9       | 9.1.4.6  | RAI               | Changes associated with RAI 534 Supplement 4 response to Question 09.01.04-39   |
| 385      | 9       | 9.1.4.6  | Design Change     | Changes associated with ANSI N14.6 Code Year  |
| 386      | 9       | 9.1.5 (Table 9.1.5-1 & Notes)  | RAI               | Changes associated with RAI 530 Supplement 3 response to Question 09.01.05-24   |
| 387      | 9       | 9.1.5.2.4  | RAI               | Changes associated with RAI 530 Supplement 3 response to Question 09.01.05-24   |
| 388      | 9       | 9.1.5.2.4  | RAI               | Changes associated with RAI 525 Supplement 13 response to Question 09.01.04-26  |
| 389      | 9       | 9.1.5.6  | Design Change     | Changes associated with ANSI N14.6 Code Year  |
| 390      | 9       | 9.2.1 (Tables 9.2.1-1 & 9.2.1-2)                                     | RAI               | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41  |
| 391      | 9       | 9.2.1 (Table 9.2.1-3; Figure 9.2.1-1 Sht 2 of 4)                     | Design Change     | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 392      | 9       | 9.2.1 (Table 9.2.1-3)  | Design Change     | Changes associated with update of alarm information   |
| 393      | 9       | 9.2.1 (Figure 9.2.1-1 Sht 4 of 4), 9.2.1.7.1.5, 9.2.1.7.2, 9.2.1.7.3 | Design Change     | Changes associated with operation of Essential Service Water System valves as MOVs  |
| 394      | 9       | 9.2.1.1, 9.2.1.2, 9.2.1.7.2, 9.2.1.7.3                               | Design Change     | Changes associated with EDG Redesign of Ventilation for EDG Diesel Hall & ESW Cooling for Electrical Control Room; and In Service Testing requirements for pumps and valves |
| 395      | 9       | 9.2.1.7.1.2, 9.2.1.7.1.3   | Corrective Action | Changes associated with Essential Service Water System design   |
| 396      | 9       | 9.2.1.7.3  | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 397      | 9       | 9.2.2 (Figure 9.2.2-2 Sht 7 of 7)                                    | Design Change     | Changes associated with addition of position sensors on the CCWS RCP Thermal Barrier Containment Isolation Valves   |
| 398      | 9       | 9.2.2 (Figure 9.2.2-4)   | Design Change     | Changes associated with SAHRS HX Design Change  |
| 399      | 9       | 9.2.2.1  | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28  |



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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change   |
|----------|---------|---|----------------|---|
| 400      | 9       | 9.2.2.3.1   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                              |
| 401      | 9       | 9.2.2.3.1, 9.2.2.6.1.1, 9.2.2.6.1.3                                   | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                         |
| 402      | 9       | 9.2.2.6.1.1   | RAI            | Changes associated with RAI 406 Supplement 15 response to Question 09.02.02-114                     |
| 403      | 9       | 9.2.2.6.1.3   | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                         |
| 404      | 9       | 9.2.4.2.2   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                            |
| 405      | 9       | 9.2.5 (Tables 9.2.5-1 & 9.2.5-2)                                      | RAI            | Changes associated with RAI 351 Supplement 10 response to Question 09.02.05-27                      |
| 406      | 9       | 9.2.5 (Table 9.2.5-2 & Figure 9.2.5-3)                                | RAI            | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41                      |
| 407      | 9       | 9.2.5.3.1, 9.2.5.5  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                                  |
| 408      | 9       | 9.2.8 (Tables 9.2.8-1 & 9.2.8-2; Table 9.2.8-4 Notes; Figure 9.2.8-2) | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                            |
| 409      | 9       | 9.2.8 (Table 9.2.8-3)   | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35                         |
| 410      | 9       | 9.2.8.2.2   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                            |
| 411      | 9       | 9.2.8.3.2   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                            |
| 412      | 9       | 9.2.8.4   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                            |
| 413      | 9       | 9.2.8.4   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                              |
| 414      | 9       | 9.3.1.6   | Design Change  | Changes associated with US EPR Codes and Standards  |
| 415      | 9       | 9.3.2 (Tables 9.3.2-1 & 9.3.2-2)                                      | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                              |
| 416      | 9       | 9.3.2 (Figure 9.3.2-1 Shts 2 & 8 of 9)                                | Editorial      | Changes associated with editorial corrections to Figures for Nuclear Sampling System                |
| 417      | 9       | 9.3.2 (Figure 9.3.2-1), 9.3.2.1                                       | Design Change  | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies       |
| 418      | 9       | 9.3.2.3   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                              |
| 419      | 9       | 9.3.3   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                              |
| 420      | 9       | 9.3.3 (Figure 9.3.3-1 Shts 1 thru 9 of 9)                             | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                                |
| 421      | 9       | 9.3.3 (Figure 9.3.3-1 Sht 7 of 9)                                     | Design Change  | Changes associated with update to KTE Sump Level Instrumentation for consistency with Table 3.2.2-1 |
| 422      | 9       | 9.3.3.1   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                                |
| 423      | 9       | 9.3.3.1   | Design Change  | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies       |
| 424      | 9       | 9.3.3.2.2   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                                |
| 425      | 9       | 9.3.3.3   | Design Change  | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies       |
| 426      | 9       | 9.3.4 (Figure 9.3.4-1), 9.3.4.1                                       | Design Change  | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies       |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change     | Description of Change   |
|----------|---------|---|--------------------|---|
| 427      | 9       | 9.3.4 (Figure 9.3.4-2 Sht 5 of 5)                   | Design Change      | Changes associated with addition of capability to pump spent resins from KBE to KPF           |
| 428      | 9       | 9.3.4 (Figure 9.3.4-4 Sht 2 of 2)                   | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 429      | 9       | 9.3.4 (Figure 9.3.4-4 Sht 1 of 2)                   | Design Change      | Changes associated with Reactor Boron and Water Makeup System Revised Design Pressure         |
| 430      | 9       | 9.3.4.1   | RAI                | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27                    |
| 431      | 9       | 9.3.4.2.1   | RAI                | Changes associated with RAI 559 Supplement 1 response to Question 09.03.04-28                 |
| 432      | 9       | 9.3.4.2.1   | RAI                | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61                |
| 433      | 9       | 9.3.4.2.1   | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 434      | 9       | 9.3.4.2.2   | Design Change      | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies |
| 435      | 9       | 9.3.4.2.3.2   | Consistency Update | Changes associated with description of Normal Operation                                       |
| 436      | 9       | 9.3.4.3   | RAI                | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27                    |
| 437      | 9       | 9.3.4.4   | RAI                | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61                |
| 438      | 9       | 9.4.1 (Table 9.4.1-1; Figures 9.4.1-1 thru 9.4.1-3) | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 439      | 9       | 9.4.1.1   | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 440      | 9       | 9.4.1.1, 9.4.1.2, 9.4.1.2.2, 9.4.1.2.3              | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 441      | 9       | 9.4.1.2.1, 9.4.1.2.3                                | RAI                | Changes associated with RAI 511 Supplement 7 response to Question 06.04-10                    |
| 442      | 9       | 9.4.1.2.2, 9.4.1.2.3                                | RAI                | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 443      | 9       | 9.4.1.3 thru 9.4.1.6                                | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 444      | 9       | 9.4.2 (Figure 9.4.2-1)                              | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 445      | 9       | 9.4.2.1   | RAI                | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9                     |
| 446      | 9       | 9.4.2.1   | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 447      | 9       | 9.4.2.2.2, 9.4.2.2.3                                | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 448      | 9       | 9.4.2.2.3   | RAI                | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 449      | 9       | 9.4.2.4, 9.4.2.6                                    | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 450      | 9       | 9.4.3 (Figures 9.4.3-1 and 9.4.3-2)                 | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 451      | 9       | 9.4.3 (Figures 9.4.3-1 thru 9.4.3-5)                | RAI                | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9                     |
| 452      | 9       | 9.4.3.1, 9.4.3.2.1, 9.4.3.2.2, 9.4.3.2.3            | RAI - Advanced     | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 453      | 9       | 9.4.3.2.3   | RAI                | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9                     |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change    | Description of Change   |
|----------|---------|---|-------------------|---|
| 454      | 9       | 9.4.3.4, 9.4.3.6                                    | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 455      | 9       | 9.4.4   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 456      | 9       | 9.4.5 (Table 9.4.5-1; Figures 9.4.5-1, 9.4.5-2)     | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 457      | 9       | 9.4.5, 9.4.5.1                                      | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 458      | 9       | 9.4.5.1   | Corrective Action | Changes associated with SBVS safety related functions under FSAR Section 9.4.5.1              |
| 459      | 9       | 9.4.5.1, 9.4.5.2.1                                  | RAI               | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9                     |
| 460      | 9       | 9.4.5.2.1 thru 9.4.5.2.3                            | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 461      | 9       | 9.4.5.2.2, 9.4.5.2.3                                | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 462      | 9       | 9.4.5.3 thru 9.4.5.6                                | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 463      | 9       | 9.4.6 (Figures 9.4.6-1 thru 9.4.6-4)                | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 464      | 9       | 9.4.6.1   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 465      | 9       | 9.4.6.2.1   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 466      | 9       | 9.4.6.2.1   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 467      | 9       | 9.4.6.2.3   | RAI               | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 468      | 9       | 9.4.6.2.3   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 469      | 9       | 9.4.6.4, 9.4.6.6                                    | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 470      | 9       | 9.4.7 (Table 9.4.7-1; Figures 9.4.7-1 thru 9.4.7-5) | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 471      | 9       | 9.4.7 (Figures 9.4.7-1 & 9.4.7-2)                   | RAI               | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8                  |
| 472      | 9       | 9.4.7 (Figure 9.4.7-2)                              | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356                          |
| 473      | 9       | 9.4.7 (Figure 9.4.7-4), 9.4.7.1                     | Design Change     | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies |
| 474      | 9       | 9.4.7.1, 9.4.7.2.1 thru 9.4.7.2.3                   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 475      | 9       | 9.4.7.1, 9.4.7.2.1, 9.4.7.2.2, 9.4.7.2.3            | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356                          |
| 476      | 9       | 9.4.7.2.1, 9.4.7.2.3                                | RAI               | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9                     |
| 477      | 9       | 9.4.7.2.2   | Design Change     | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies |
| 478      | 9       | 9.4.7.2.3   | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 479      | 9       | 9.4.7.3   | Design Change     | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies |
| 480      | 9       | 9.4.7.4, 9.4.7.4.1, 9.4.7.5, 9.4.7.6                | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 481      | 9       | 9.4.7.5   | RAI - Advanced    | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change   |
|----------|---------|---|----------------|---|
| 482      | 9       | 9.4.7.6   | Design Change  | Changes associated with Component Cooling Water System Safety Class Interface Inconsistencies |
| 483      | 9       | 9.4.8 (Figures 9.4.8-1 & 9.4.8-2)   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 484      | 9       | 9.4.8 (Figure 9.4.8-2)  | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 485      | 9       | 9.4.8.1, 9.4.8.2.1, 9.4.8.2.2, 9.4.8.2.3, 9.4.8.3 thru 9.4.8.6                                      | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 486      | 9       | 9.4.9 (Figure 9.4.9-1)  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 487      | 9       | 9.4.9.1, 9.4.9.2.1 thru 9.4.9.2.3   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 488      | 9       | 9.4.9.2.1, 9.4.9.2.2  | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 489      | 9       | 9.4.9.2.1   | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                            |
| 490      | 9       | 9.4.9.2.2, 9.4.9.2.3  | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 491      | 9       | 9.4.9.6   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 492      | 9       | 9.4.10, 9.4.10.1, 9.4.10.2.1, 9.4.10.2.2, 9.4.10.2.3, 9.4.10.6                                      | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 493      | 9       | 9.4.11.2.1, 9.4.11.2.2, 9.4.11.2.3, 9.4.11.6  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 494      | 9       | 9.4.11.2.1, 9.4.11.2.3  | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3                            |
| 495      | 9       | 9.4.11.2.2, 9.4.11.2.3  | RAI            | Changes associated with RAI 505 Supplement 29 response to Question 07.01-35                   |
| 496      | 9       | 9.4.12 (Figure 9.4.12-1)  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 497      | 9       | 9.4.12.2.2, 9.4.12.6  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 498      | 9       | 9.4.13 (Figure 9.4.13-1)  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 499      | 9       | 9.4.13.1, 9.4.13.2.2, 9.4.13.6  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 500      | 9       | 9.4.14 (Table 9.4.14-1; Figures 9.4.14-1, 9.4.14-2), 9.4.14.2.1, 9.4.14.2.2, 9.4.14.4 thru 9.4.14.7 | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7                      |
| 501      | 9       | 9.4.14.6  | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28                        |
| 502      | 9       | 9.5.1 (Figures 9.5.1-1 Shts 1 thru 14 of 14, 9.5.1-2 Shts 1 thru 2 of 2, 9.5.1-3, and 9.5.1-4)      | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356                          |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                             | Type of Change     | Description of Change  |
|----------|---------|--|--------------------|--|
| 503      | 9       | 9.5.1.1, 9.5.1.2.1                     | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 504      | 9       | 9.5.1.2.1                              | RAI                | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14                                      |
| 505      | 9       | 9.5.1.3                                | RAI                | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14                                      |
| 506      | 9       | 9.5.1.7                                | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 507      | 9       | 9.5.2                                  | RAI                | Changes associated with RAI 549 Supplement 2 response to Question 13.03-8  |
| 508      | 9       | 9.5.4.2.2                              | Consistency Update | Changes associated with statement of purpose for Flame Arrestors   |
| 509      | 9       | 9.5.4.2.2                              | RAI - Advanced     | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 510      | 9       | 9.5.6.2.2                              | Consistency Update | Changes associated with description of Air Dryer and Filter  |
| 511      | 9       | 9.5.8.4                                | Consistency Update | Changes associated with description of the Diesel Generator Air Intake and Exhaust System (safety-related portion) |
| 512      | 9       | 9A (Table 9A-2; Figure 9A-6)           | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 513      | 9       | 9A (Figures 9A-1, 9A-2, 9A-5 & Notes)  | Design Change      | Changes associated with updates to Figures for fire barrier drawings   |
| 514      | 9       | 9A (Figures 9A-6 thru 9A-16 & Notes)   | Corrective Action  | Changes associated with Safeguard Building 1 Figures and including editorial "background" update                   |
| 515      | 9       | 9A (Figures 9A-17 thru 9A-27 & Notes)  | Corrective Action  | Changes associated with Safeguard Building 2/3 Figures and including editorial "background" update                 |
| 516      | 9       | 9A (Figures 9A-28 thru 9A-38 & Notes)  | Corrective Action  | Changes associated with Safeguard Building 4 Figures and including editorial "background" update                   |
| 517      | 9       | 9A (Figures 9A-39 thru 9A-51 & Notes)  | Design Change      | Changes associated with Reactor Building Figures and including editorial "background" update                       |
| 518      | 9       | 9A (Figures 9A-52 thru 9A- 65 & Notes) | Design Change      | Changes associated with Nuclear Auxiliary Building Figures and including editorial "background" update             |
| 519      | 9       | 9A (Figures 9A-66 thru 9A-75 & Notes)  | Corrective Action  | Changes associated with Radioactive Waste Processing Building Figures and including editorial "background" update  |
| 520      | 9       | 9A (Figures 9A-84 thru 9A-97 & Notes)  | Design Change      | Changes associated with Fuel Building Figures and including editorial "background" update                          |
| 521      | 9       | 9A (Figures 9A-98 thru 9A-106 & Notes) | Corrective Action  | Changes associated with Access Building Figures  |
| 522      | 10      | 10.2.4                                 | RAI                | Changes associated with RAI 109 Supplement 3 response to Question 03.05.01.03-2                                    |
| 523      | 10      | 10.3 (Table 10.3-4)                    | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28   |
| 524      | 10      | 10.3 (Figure 10.3-2)                   | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change     | Description of Change  |
|----------|---------|---|--------------------|--|
| 525      | 10      | 10.3.1  | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28   |
| 526      | 10      | 10.3.2.2  | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 527      | 10      | 10.3.2.3.4  | Consistency Update | Changes associated with deletion of reference to Station blackout (SBO)  |
| 528      | 10      | 10.3.3  | RAI - Advanced     | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 529      | 10      | 10.3.4  | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28   |
| 530      | 10      | 10.4.7 (Figure 10.4.7-1 Sht 1 of 2)   | RAI                | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 531      | 10      | 10.4.7.2.1  | RAI                | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 532      | 10      | 10.4.7.2.2  | RAI                | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 533      | 10      | 10.4.7.2.3  | RAI                | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53   |
| 534      | 10      | 10.4.7.3  | RAI                | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 535      | 10      | 10.4.8  | RAI - Advanced     | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 536      | 10      | 10.4.8 (Figure 10.4.8-1 Shts 1 & 2 of 3)                                      | RAI                | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 537      | 10      | 10.4.8 (Figures 10.4.8-1 Shts 2 & 3 of 3; and 10.4.8-2 Shts 1, 2 & 3 of 4)    | RAI                | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27   |
| 538      | 10      | 10.4.8 (Figures 10.4.8-1 Shts 1 thru 3 of 3; and 10.4.8-2 Shts 1 thru 4 of 4) | Design Change      | Changes associated with SSC Classification change to LCQ and Condensate Polisher Shielding   |
| 539      | 10      | 10.4.8 (Figure 10.4.8-1 Sht 1 of 3)   | Design Change      | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 540      | 10      | 10.4.8.1  | RAI                | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27   |
| 541      | 10      | 10.4.8.1  | RAI - Advanced     | Changes associated with RAI 528 Advanced response to Question 11.05-28   |
| 542      | 10      | 10.4.8.1, 10.4.8.2.2  | Design Change      | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 543      | 10      | 10.4.8.3.2  | Editorial          | Changes associated with correction of reference to Section 10.4.8.3.2  |
| 544      | 10      | 10.4.8.4  | RAI                | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27   |
| 545      | 10      | 10.4.8.4, 10.4.8.5  | RAI                | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 546      | 10      | 10.4.9 (Table 10.4.9-3; Figure 10.4.9-1 Shts 1 and 3 of 3)                    | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 547      | 10      | 10.4.9.2.1, 10.4.9.2.2.5, 10.4.9.3  | RAI - Advanced     | Changes associated with RAI 563 Advanced response to Question 19-356   |



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| Item No. | Chapter | Subsection   | Type of Change | Description of Change   |
|----------|---------|--|----------------|---|
| 548      | 11      | 11.1 (Tables 11.1-1, 11.1-3 and 11.1-7 & Note)                           | RAI            | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 549      | 11      | 11.1.2.3, 11.1.4   | RAI            | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 550      | 11      | 11.2 (Figure 11.2-1)   | RAI            | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27  |
| 551      | 11      | 11.2.3.3   | RAI            | Changes associated with RAI 273 Supplement 17 response to Question 11.05-2  |
| 552      | 11      | 11.2.3.8   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 553      | 11      | 11.4 (Tables 11.4-1 thru 11.4-9 & 11.4-11 thru 11.4-13)                  | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 554      | 11      | 11.4.1.2.1   | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3  |
| 555      | 11      | 11.4.2.2, 11.4.2.3.2   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 556      | 11      | 11.5 (Table 11.5-1; Figure 11.5-1)                                       | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 557      | 11      | 11.5.1 (Table 11.5-1 & Notes; Figure 11.5-1)                             | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 558      | 11      | 11.5.3.1.1 thru 11.5.3.1.12  | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 559      | 11      | 11.5.3.1.4   | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 560      | 11      | 11.5.3.2   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 561      | 11      | 11.5.4.1   | RAI            | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 562      | 11      | 11.5.4.2 thru 11.5.4.6, 11.5.4.8 thru 11.5.4.18                          | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 563      | 11      | 11.5.4.15  | RAI            | Changes associated with RAI 273 Supplement 17 response to Question 11.05-2  |
| 564      | 11      | 11.5.4.15  | RAI            | Changes associated with RAI 273 Supplement 17 response to Question 11.05-5  |
| 565      | 12      | 12.2   | RAI            | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27  |
| 566      | 12      | 12.2 (Table 12.2-4; Figure 12.2-1)                                       | RAI            | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 567      | 12      | 12.2 (Tables 12.2-7, 12.2-8, 12.2-10 thru 12.2-17, 12.2-24 thru 12.2-70) | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 568      | 12      | 12.2.1.2   | RAI            | Changes associated with RAI 17 Supplement 2 response to Question 15.00.03-1   |
| 569      | 12      | 12.2.1.3, 12.2.1.4, 12.2.1.5, 12.2.1.6.1                                 | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 570      | 12      | 12.2.1.8, 12.2.1.9, 12.2.1.10, 12.2.1.11                                 | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 571      | 12      | 12.2.1.10  | RAI            | Changes associated with RAI 554 Supplement 2 response to Question 11.02-27  |
| 572      | 12      | 12.2.1.17 thru 12.2.1.19   | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change | Description of Change   |
|----------|---------|--|----------------|---|
| 573      | 12      | 12.3 (Tables 12.3-1, 12.3-15 thru 12.3-17)   | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 574      | 12      | 12.3 (Table 12.3-3 & Note)   | RAI - Advanced | Changes associated with RAI 528 Advanced response to Question 11.05-28  |
| 575      | 12      | 12.3 (Table 12.3-3)  | RAI            | Changes associated with RAI 273 Supplement 17 response to Question 11.05-2  |
| 576      | 12      | 12.3 (Table 12.3-4)  | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 577      | 12      | 12.3 (Tables 12.3-3 & 12.3-4)  | RAI - Advanced | Changes associated with RAI 529 Advanced response to Question 12.03-12.04-28  |
| 578      | 12      | 12.3 (Tables 12.3-14 & 12.3-18; Figures 12.3-34, 12.3-35, 12.3-37, 12.3-38, 12.3-42 thru 12.3-46 & 12.3-52 thru 12.3-59) | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29  |
| 579      | 12      | 12.3 (Figures 12.3-21, 12.3-64)  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 580      | 12      | 12.3 (Figures 12.3-33 thru 12.3-35)  | RAI            | Changes associated with RAI 525 Supplement 12 response to Question 09.01.04-23  |
| 581      | 12      | 12.3 (Figure 12.3-47)  | RAI            | Changes associated with RAI 548 Supplement 1 response to Question 12.03-12.04-31  |
| 582      | 12      | 12.3 (Figures 12.3-72, 12.3-74)  | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 583      | 12      | 12.3.1.8.1   | RAI            | Changes associated with RAI 548 Supplement 1 response to Question 12.03-12.04-30  |
| 584      | 12      | 12.3.1.8.1   | RAI            | Changes associated with RAI 570 Supplement 4 response to Question 12.03-12.04-32  |
| 585      | 12      | 12.3.1.8.2   | RAI            | Changes associated with RAI 548 Supplement 1 response to Question 12.03-12.04-31  |
| 586      | 12      | 12.3.2.2   | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 587      | 12      | 12.3.2.3   | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29  |
| 588      | 12      | 12.3.4.2.3   | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7  |
| 589      | 12      | 12.3.6.5   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 590      | 12      | 12.3.6.5.1   | RAI            | Changes associated with RAI 534 Supplement 4 response to Question 09.01.04-39   |
| 591      | 12      | 12.3.6.5.6   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8  |
| 592      | 12      | 12.3.6.5.6   | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9   |
| 593      | 12      | 12.3.7   | RAI - Advanced | Changes associated with RAI 539 Advanced response to Question 12.03-12.04-29, referencing RAI 548 Question 12.03-12.04-31 |
| 594      | 13      | 13.3   | RAI            | Changes associated with RAI 549 Supplement 2 response to Question 13.03-8   |
| 595      | 14      | 14.2 (Table 14.2-1)  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356  |
| 596      | 14      | 14.2 (Table 14.2-1)  | RAI            | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61  |
| 597      | 14      | 14.2.12.1.1  | RAI            | Changes associated with RAI 550 Supplement 1 response to Question 09.01.03-16   |
| 598      | 14      | 14.2.12.3.4, 14.2.12.3.6   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356  |



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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection  | Type of Change | Description of Change  |
|----------|---------|---|----------------|--|
| 599      | 14      | 14.2.12.5.2   | RAI            | Changes associated with RAI 548 Supplement 1 response to Question 12.03-12.04-30   |
| 600      | 14      | 14.2.12.5.2   | RAI            | Changes associated with RAI 570 Supplement 4 response to Question 12.03-12.04-32   |
| 601      | 14      | 14.2.12.5.9   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 602      | 14      | 14.2.12.6.1   | RAI            | Changes associated with RAI 513 Supplement 14 response to Question 09.01.01-61   |
| 603      | 14      | 14.2.12.6.3, 14.2.12.6.8  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 604      | 14      | 14.2.12.8.3 thru 14.2.12.8.5, 14.2.12.8.7 thru 14.2.12.8.11, 14.2.12.8.19 | RAI - Advanced | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 605      | 14      | 14.2.12.8.4   | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 606      | 14      | 14.2.12.8.10  | RAI            | Changes associated with RAI 511 Supplement 5 response to Question 06.04-11   |
| 607      | 14      | 14.2.12.9.1   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 608      | 14      | 14.2.12.10.3  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 609      | 14      | 14.2.12.11.19   | RAI - Advanced | Changes associated with RAI 529 Advanced response to Question 12.03-12.04-28   |
| 610      | 14      | 14.2.12.11.29   | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 611      | 14      | 14.2.12.12.1  | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 612      | 14      | 14.2.12.16.3  | RAI            | Changes associated with RAI 388 Supplement 3 response to Question 03.09.03-22  |
| 613      | 14      | 14.3  | RAI            | Changes associated with RAI 568 Supplement 1 response to Question 06.02.04-13  |
| 614      | 14      | 14.3 (Table 14.3-1)   | Editorial      | Changes associated with acronym editorial corrections  |
| 615      | 14      | 14.3 (Table 14.3-8)   | RAI - Advanced | Changes associated with RAI 527 Advanced response to Question 14.03.07-38  |
| 616      | 15      | 15.0 (Tables 15.0-24, 15.0-27 & Note, 15.0-29)                            | RAI            | Changes associated with RAI 34 Supplement 4 response to Questions 15.06.03-1 and 15.06.03-2  |
| 617      | 15      | 15.0 (Tables 15.0-42, 15.0-51; Figure 15.0-12)                            | RAI            | Changes associated with RAI 558 Supplement 1 response to Question 09.04.05-5   |
| 618      | 15      | 15.0.0.3.7  | Design Change  | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 619      | 15      | 15.0.0.3.9  | RAI            | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 620      | 15      | 15.0.3.6  | RAI            | Changes associated with RAI 34 Supplement 4 response to Questions 15.06.03-1 and 15.06.03-2  |
| 621      | 15      | 15.0.3.11.2   | RAI            | Changes associated with RAI 462 Supplement 8 response to Question 06.02.03-8   |
| 622      | 15      | 15.4.3.1.2, 15.4.6.1.2, 15.4.6.1.3  | Design Change  | Changes associated with removal of reference to High Neutron Flux (Source Range) per WebCAP 2010-3262  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change | Description of Change  |
|----------|---------|--|----------------|--|
| 623      | 15      | 15.6 (Tables 15.6-4, 15.6-5, 15.6-24; Figures 15.6-94 thru 15.6-108) | RAI            | Changes associated with RAI 34 Supplement 4 response to Question 15.06.03-3  |
| 624      | 15      | 15.6 (Tables 15.6-5, 15.6-6; Figures 15.6-11 thru 15.6-26)           | RAI            | Changes associated with RAI 34 Supplement 4 response to Questions 15.06.03-1 and 15.06.03-2  |
| 625      | 15      | 15.6.3.1, 15.6.3.1.1, 15.6.3.2, 15.6.3.3, 15.6.3.3.2, 15.6.3.3.3     | RAI            | Changes associated with RAI 34 Supplement 4 response to Question 15.06.03-3  |
| 626      | 15      | 15.6.3.2, 15.6.3.3.3   | RAI            | Changes associated with RAI 34 Supplement 4 response to Questions 15.06.03-1 and 15.06.03-2  |
| 627      | 15      | 15.6.5.3, 15.6.6   | RAI            | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 628      | 15      | 15.6.5.4.2, 15.6.6   | RAI            | Changes associated with RAI 403 Supplement 11 response to Questions 15.06.05-61, 15.06.05-62 and 15.06.05-63                                     |
| 629      | 16      | 3.3.1 (SR 3.3.1.3, Table 3.3.1-1)                                    | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-39  |
| 630      | 16      | 3.3.4 (SR 3.3.4.5, Table 3.3.4-1)                                    | RAI            | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 631      | 16      | 3.7.12 (SRs 3.7.12.6 & 3.7.12.10)                                    | RAI - Advanced | Changes associated with RAI 584 Advanced response to Question 06.02.03-9   |
| 632      | 16      | 3.7.12 (SR 3.7.12.10)  | RAI            | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9  |
| 633      | 16      | 3.7.16 (Figure 3.7.16-1)   | RAI            | Changes associated with RAI 513 Supplement 9 response to Questions 09.01.01-53 & 09.01.01-54   |
| 634      | 16      | 3.7.19 (SR 3.7.19.1)   | RAI            | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41   |
| 635      | 16      | 3.7.21   | RAI            | Changes associated with RAI 558 Supplement 1 response to Question 09.04.05-5   |
| 636      | 16      | 3.7.22 (LCO, Applicability, Actions, SR)                             | Design Change  | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines     |
| 637      | 16      | 3.7.23 (All Sections)  | RAI            | Changes associated with RAI 526 Supplement 6 response to Question 09.01.02-41  |
| 638      | 16      | 3.8.1 (SR 3.8.1.17)  | Design Change  | Changes associated with diesel generator requirements  |
| 639      | 16      | 3.8.3 (Actions, SRs 3.8.3-1 & 3.8.3-2)                               | Design Change  | Changes associated with diesel generator requirements  |
| 640      | 16      | 3.8.11 (All Sections thru SR 3.8.11.1)                               | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 641      | 16      | 3.9.7 (LCO)  | RAI - Advanced | Changes associated with RAI 572 Advanced response to Question 19-364   |
| 642      | 16      | 5.5.15   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-60  |
| 643      | 16      | 5.6.3  | RAI            | Changes associated with RAI 571 Supplement 1 response to Question 04.02-18, Round 7 RAI responses to ANP-10285P, and Technical Report ANP-10325P |
| 644      | 16      | B 3.3.1 (Refs)   | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35  |

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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                                      | Type of Change    | Description of Change  |
|----------|---------|---|-------------------|--|
| 645      | 16      | B 3.3.1 (SR 3.3.1.3)                            | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-39  |
| 646      | 16      | B 3.3.4 (SR 3.3.4.5)                            | RAI               | Changes associated with RAI 505 Supplement 27 response to Question 07.01-44  |
| 647      | 16      | B 3.4.11  | Corrective Action | Changes associated with design of Pressurizer Safety Relief Valve per BTP 5-2, Section B.3   |
| 648      | 16      | B 3.6.6 (Bkgrd, Refs)                           | RAI               | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9  |
| 649      | 16      | B 3.6.7 (Bkgrd)                                 | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 650      | 16      | B 3.7.8 (Bkgrd)                                 | Design Change     | Changes associated with EDG Redesign of Ventilation for the EDG Diesel Hall and ESW Cooling for the Electrical Control Room                  |
| 651      | 16      | B 3.7.10 (Bkgrd)                                | RAI               | Changes associated with RAI 511 Supplement 7 response to Question 06.04-10   |
| 652      | 16      | B 3.7.11 (Bkgrd)                                | RAI               | Changes associated with RAI 511 Supplement 7 response to Question 06.04-10   |
| 653      | 16      | B 3.7.12 (Bkgrd, LCO, Applicability, Actions)   | RAI - Advanced    | Changes associated with RAI 578 Advanced response to Question 09.04.03-7   |
| 654      | 16      | B 3.7.12 (Bkgrd, SR, Refs)                      | RAI               | Changes associated with RAI 511 Supplement 8 response to Question 06.04-9  |
| 655      | 16      | B 3.7.12 (LCO, SRs 3.7.12.6 & 3.7.12.10)        | RAI - Advanced    | Changes associated with RAI 584 Advanced response to Question 06.02.03-9   |
| 656      | 16      | B 3.7.16 (Bkgrd)                                | RAI               | Changes associated with RAI 513 Supplement 9 response to Questions 09.01.01-53 & 09.01.01-54   |
| 657      | 16      | B 3.7.19 (LCO, SR 3.7.19.1)                     | RAI               | Changes associated with RAI 345 Supplement 15 response to Question 09.02.01-41   |
| 658      | 16      | B 3.7.19 (Bkgrd)                                | RAI - Advanced    | Changes associated with RAI 541 Advanced response to Question 02-3   |
| 659      | 16      | B 3.7.21  | RAI               | Changes associated with RAI 558 Supplement 1 response to Question 09.04.05-5   |
| 660      | 16      | B 3.7.22 (All Sections)                         | Design Change     | Changes associated with Reinstatement of LCQ Transfer Valves & Piping and Normal Operating Position of the MOV in the Passive Flooding Lines |
| 661      | 16      | B 3.7.23 (All Sections)                         | RAI               | Changes associated with RAI 526 Supplement 6 response to Question 09.01.02-41  |
| 662      | 16      | B 3.8.3 (Actions, SR 3.8.3.1 & 3.8.3.2)         | Design Change     | Changes associated with Volume Requirements for EDG Fuel Oil, Lube Oil, and Day Tanks  |
| 663      | 16      | B 3.8.3 (Bkgrd, Actions, SRs 3.8.3.1 & 2, Refs) | Design Change     | Changes associated with diesel generator requirements  |
| 664      | 16      | B 3.8.11 (All Sections)                         | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 665      | 16      | B 3.9.7 (LCO, SR 3.9.7.1)                       | RAI - Advanced    | Changes associated with RAI 572 Advanced response to Question 19-364   |
| 666      | 17      | 17.4 (Table 17.4-1)                             | RAI - Advanced    | Changes associated with RAI 563 Advanced response to Question 19-356   |
| 667      | 17      | 17.4 (Tables 17.4-1, 17.4-2)                    | Design Change     | Changes associated with I&C Architecture and Distributed Control System  |
| 668      | 17      | 17.4.2.2, 17.4.2.3                              | Design Change     | Changes associated with I&C Architecture and Distributed Control System  |
| 669      | 17      | 17.6.8  | RAI               | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 670      | 18      | 18.1.6  | RAI               | Changes associated with RAI 336 Supplement 2 response to Question 18-84  |
| 671      | 18      | 18.2.4  | RAI               | Changes associated with RAI 336 Supplement 2 response to Question 18-84  |

Attachment 2  
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Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection   | Type of Change | Description of Change  |
|----------|---------|--|----------------|--|
| 672      | 18      | 18.3.5   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 673      | 18      | 18.5.4   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 674      | 18      | 18.6.4   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 675      | 18      | 18.7.1.2   | RAI            | Changes associated with RAI 555 Supplement 6 response to Question 07.01-53     |
| 676      | 18      | 18.7.2.4   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 677      | 18      | 18.7.3   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 678      | 18      | 18.7.4.6   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 679      | 18      | 18.7.9   | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 680      | 18      | 18.7.9   | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35    |
| 681      | 18      | 18.10.4  | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 682      | 18      | 18.11.5  | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 683      | 18      | 18.12.4  | RAI            | Changes associated with RAI 336 Supplement 2 response to Question 18-84        |
| 684      | 19      | 19.1   | RAI            | Changes associated with RAI 527 Supplement 2 response to Question 14.03.02-61  |
| 685      | 19      | 19.1 (Tables 19.1-37 & 19.1-106; Figure 19.1-31)               | RAI - Advanced | Changes associated with RAI 455 Advanced response to Question 19-341           |
| 686      | 19      | 19.1 (Table 19.1-109)  | RAI - Advanced | Changes associated with RAI 227 Advanced response to Question 19-292           |
| 687      | 19      | 19.1 (including associated § 19.1 Tables & Figures)            | RAI - Advanced | Changes associated with RAI 289 Advanced response to Question 19-329           |
| 688      | 19      | 19.1.2.2, 19.1.2.3   | RAI            | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14  |
| 689      | 19      | 19.1.5.1.1.1 thru 19.1.5.1.1.4, 19.1.5.1.2.2 thru 19.1.5.1.2.4 | RAI - Advanced | Changes associated with RAI 455 Advanced response to Question 19-341           |
| 690      | 19      | 19.1.5.4, 19.1.5.4.1   | RAI - Advanced | Changes associated with RAI 541 Advanced response to Question 02-3             |
| 691      | 19      | 19.1.5.4.1   | RAI            | Changes associated with RAI 561 Supplement 1 response to Question 19.01-48     |
| 692      | 19      | 19.1.5.4.2   | RAI            | Changes associated with RAI 561 Supplement 1 response to Question 19.01-49     |
| 693      | 19      | 19.1.5.4.3   | RAI            | Changes associated with RAI 561 Supplement 1 response to Question 19.01-50     |
| 694      | 19      | 19.1.9   | RAI - Advanced | Changes associated with RAI 455 Advanced response to Question 19-341           |
| 695      | 19      | 19.1.9   | RAI            | Changes associated with RAI 505 Supplement 30 response to Question 07.01-35    |
| 696      | 19      | 19.2 (Table 19.2-2)  | Design Change  | Changes associated with SAHRS HX Design Change                                 |
| 697      | 19      | 19.2 (Table 19.2-6; Figure 19.2-22)                            | RAI - Advanced | Changes associated with RAI 563 Advanced response to Question 19-356           |
| 698      | 19      | 19.2.3.3.3.1, 19.2.3.3.3.2                                     | RAI            | Changes associated with RAI 511 Supplement 5 response to Question 06.02.02-126 |
| 699      | 19      | 19.2.4.4.1.3   | RAI            | Changes associated with RAI 553 Supplement 4 response to Question 06.02.05-31  |

Attachment 2  
US-EPR FSAR Tier 2

Summary of Changes for Rev. 5

| Item No. | Chapter | Subsection                | Type of Change               | Description of Change   |
|----------|---------|---------------------------|------------------------------|---|
| 700      | 19      | 19.2.4.4.5.2              | RAI                          | Changes associated with RAI 473 Supplement 6 response to Question 06.02.05-24 |
| 701      | 19      | 19.2.5                    | RAI                          | Changes associated with RAI 547 Supplement 5 response to Question 03.06.01-14 |
| 702      | 19      | 19.2.5.3                  | RAI - Advanced               | Changes associated with RAI 460 Advanced response to Question 19-350          |
| 703      | 19      | 19.2.7.3                  | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-357      |
| 704      | 19      | 19.2.7.4                  | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-358      |
| 705      | 19      | 19.2.7.4                  | RAI                          | Changes associated with RAI 565 Supplement 2 response to Question 19-360      |
| 706      | 19      | 19.2.7.4                  | Consistency Editorial Change | Changes associated with reference to Appendix 3E                              |
| 707      | 19      | 19.2.7.4, 19.2.7.5.2      | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-359      |
| 708      | 19      | 19.2.7.4, 19.2.7.5.2      | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-363      |
| 709      | 19      | 19.2.7.5.2                | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-361      |
| 710      | 19      | 19.2.7.5.4                | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-363      |
| 711      | 19      | 19.2.8, 19.2.9            | RAI - Advanced               | Changes associated with RAI 563 Advanced response to Question 19-356          |
| 712      | 19      | 19.2.9                    | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-357      |
| 713      | 19      | 19.2.9                    | RAI                          | Changes associated with RAI 565 Supplement 1 response to Question 19-360      |
| 714      | 19      | Appendices 19A, 19B & 19C | RAI - Advanced               | Changes associated with RAI 289 Advanced response to Question 19-329          |
|          |         |                           |                              |   |