United States Nuclear Regulatory Commission Official Hearing Exhibit

Entergy Nuclear Operations, Inc. In the Matter of: (Indian Point Nuclear Generating Units 2 and 3)



ASLBP #: 07-858-03-LR-BD01 Docket #: 05000247 | 05000286

Exhibit #: ENT000544-00-BD01 Admitted: 10/15/2012

Rejected: Other:

Identified: 10/15/2012

ENT000544

Submitted: August 20, 2012

Withdrawn: Stricken:

July 12, 2012

The Honorable Edward J. Markey United States House of Representatives Washington, D.C. 20515

Dear Congressman Markey:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am responding to your letter of March 16, 2012, regarding commitments to undertake safety and other improvements by NRC licensees. Answers to your five specific inquiries are enclosed with this letter.

If you need any additional information, please contact me or Rebecca Schmidt, Director of the Office of Congressional Affairs, at (301) 415-1776.

Sincerely,

/RA/

Allison M. Macfarlane

Enclosure: As stated

Responses to Information Requests from Representative Edward J. Markey Letter of March 16, 2010

1. How and when will the NRC re-evaluate Entergy's actions toward meeting commitments 6, 12, and 25 for the Vermont Yankee power plant?

The NRC verifies that license conditions added as part of the renewed license, selected aging management programs, and commitments are implemented using established agency inspection guidance. An NRC team inspection at Vermont Yankee was concluded on March 20, 2012. During the inspection, the inspectors followed up on the licensee's resolution of issues for commitments 6, 12, and 25. Our Office of Congressional Affairs will forward the results of this inspection to your office when the inspection report is issued.

2. How and when will the NRC re-evaluate Xcel's actions toward meeting its commitment regarding the Aging Management Plan for the Fire Water System at the Monticello Nuclear Generating Station?

In the "Monticello Nuclear Generating Plant NRC Special Inspection Team Report," the NRC documented a finding of very low safety significance because of the licensee's failure to accomplish activities affecting quality in accordance with procedures. Specifically, Monticello failed to incorporate operating experience into the fire protection aging management program. This was contrary to the licensee's procedure which describes the approach for accessing operating experience, including performing an evaluation of industry and plant experience for system performance impacts, and incorporating these issues into existing inspections and/or test procedures. This impacted the licensee's ability to implement an effective aging management program for the fire protection system in that the licensee should have assessed operating experience with respect to equipment aging effects and establish appropriate corrective or follow-up actions to be taken. No violation of NRC requirements was identified; however, the issue was categorized as a Green finding in the Reactor Oversight Process (ROP).

With respect to blockage in the fire protection piping in the intake building the licensee initiated corrective actions to address short-term and long-term operability to ensure that systems are capable of performing their intended functions and aging is managed. The licensee's corrective actions, which included the replacement of the portion of piping with the blockage, and plans to perform an evaluation of the fire water aging management program, provided the NRC with reasonable assurance that the fire protection piping would be monitored, and that future plugging and/or degradation of the fire protection piping should be prevented. On this basis, the NRC considers this issue resolved.

Enclosure

3. Please provide a list of all commitments for relicensing that each licensee that has received a license extension from the NRC has made since January 1, 2001. Please also provide details of how and when the NRC has validated each of these commitments. For any commitments that the NRC has not verified, how and when does the NRC plan to do so? If no such plans are contemplated, why not?

Note: The response to this question is provided in four parts.

a. Please provide a list of all commitments for relicensing that each licensee that has received a license extension from the NRC has made since January 1, 2001.

Included in this enclosure is a table of license renewal information for the plants that have been issued a renewed license since January 1, 2001. This table includes references to the documents that contain the commitment list for each facility with a renewed license. For additional information, please visit the NRC license renewal status website:

http://www.nrc.gov/reactors/operating/licensing/renewal/applications.html

Upon completion of the license renewal application review, the NRC staff issues a safety evaluation report (SER) which documents the staff's technical review of the applicant's license renewal application. The SER is publicly available and also includes commitments that were made by the licensee during the license renewal application review.

Between 2001 and 2002, renewed licenses were issued for Arkansas Nuclear One, Unit 1, Edwin I. Hatch Nuclear Power Plant, Units 1 and 2, and Turkey Point Nuclear Generating Station, Units 3 and 4. The commitments for these plants are located in Sections 3 and 4 of the SER. The commitments for these plants were also compiled into a memorandum entitled, "Commitment Lists for Renewed Operating License (ROL) Plants With No Commitment Appendix Attached To Its ROL SERS/NUREGS For Use with IP-71003" (ADAMS Accession No. ML070640041).

Beginning in 2003, an appendix to the SER was developed that listed the commitments made during the license renewal application review. For North Anna Power Station, Units 1 and 2, Surry Power Station, Units 1 and 2, Peach Bottom Atomic Power Station, Units 1 and 2, St. Lucie Plant, Units 1 and 2, McGuire Nuclear Station, Units 1 and 2, and Catawba Nuclear Station, Units 1 and 2, the commitments are listed in Appendix D of the SER. For Fort Calhoun Station and all other plants that have been issued a renewed license since January 2004, the commitments are listed in Appendix A of the SER.

Refer to Column 6 of the table included in this enclosure to obtain the ADAMS accession number for the SERs. Refer to Column 7 of the table included in this enclosure to obtain the location within the SER where the commitments can be found.

b. Please also provide details of how and when the NRC has validated each of these commitments.

The NRC verifies that commitments are implemented using the established inspection guidance. The purpose of this inspection is to assess the licensee's implementation of license renewal-related activities. The inspection is intended to verify that the selected license conditions and commitments were implemented as described in the SER, that any modification

of commitments was done in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) § 50.59, "Changes, tests, and experiments" and/or established commitment management guidance, and that prior NRC approval was obtained for changes to license conditions.

Refer to Column 8 of the table located in this enclosure to obtain the ADAMS accession number for the completed IP 71003 inspection reports which are publicly available documents. The inspection report verifies whether the licensee's actions meet the intent of the commitment.

c. For any commitments that the NRC has not verified, how and when does the NRC plan to do so?

The IP 71003 inspection is typically performed before and after the plant enters the period of extended operation. If an IP 71003 inspection report is not available for a site, then the IP 71003 inspection has not yet been completed.

Refer to Column 8 of the table located in this enclosure to obtain the ADAMS accession number for the completed IP 71003 inspection reports or scheduled IP 71003 inspection dates.

d. If no such plans are contemplated, why not?

As stated above, the NRC will conduct an inspection using the guidance in IP 71003 for all sites that have been issued renewed licenses.

4. Please provide copies of all Notices of Deviation that have been issued to licensees for failing to meet or inadequately meeting commitments. For each of these Notices of Deviation, what further action was taken by the licensee and by the NRC, and how were licensee actions validated?

The NRC has not issued any Notices of Deviation for failing to meet a commitment that was made during the license renewal application review.

However, to put this statement in perspective, it is important to address this question in the context of the NRC's inspection process. The inspection of license conditions and commitments associated with license renewal is accomplished using IP 71003, "Post-Approval Site Inspection for License Renewal." Most of the inspections are accomplished before the licensee enters the period of extended operation (i.e., within the first 40-year operating license timeframe), which is before most commitments are required to be completed or implemented. If inspectors identify inadequacies in the implementation of commitments before they are required to be in place, the findings are identified to the licensee, documented in their inspection report, and are subject to re-inspection. The licensee is obligated to enter the findings in their corrective action program to be tracked and corrected. If inspectors identify instances where the licensee has not satisfactorily completed commitments after they are required to be in place, the licensee is subject to a violation against 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," processed through the Reactor Oversight Process.

It should also be noted that the Regional Offices may perform an IP 71003 inspection during the period of extended operation to verify that the licensee completed commitments or addressed weaknesses identified during previous IP 71003 inspections.

5. What actions is the NRC taking to implement the recommendations identified in the OIG's audit report? How were these actions decided upon? What is the timeline for implementing those actions? The OIG report laid out five specific recommendations. Does the NRC plan to implement each of those recommendations? If so, how and when? If not, why not?

The NRC has taken several actions to implement the recommendations identified in the Office of Inspector General's (OIG's) Audit Report, "Audit of NRC's Management of Licensee Commitments (OIG-11-A-17)." Provided below is a summary of each of the recommendations as well as the staff's actions in response to those recommendations. Also provided is a list of document references associated with the audit and the staff's actions associated with the recommendations. (Please note that the OIG audit report did not address commitments in the license renewal context. Thus, the OIG audit report's recommendations are not based upon OIG observations about the use of commitments in the license renewal process.)

The OIG provided five recommendations regarding the NRC's use and management of regulatory commitments (Reference 1). The NRC agreed to the recommendations and established corrective actions to address each recommendation (Reference 3).

The recommendations and a summary of the staff's actions associated with each of the recommendations are summarized below.

Recommendation Number 1:

Revise the section of LIC-105, "Managing Regulatory Commitments Made by Licensees to NRC," on conducting triennial commitment management audits to include detailed sampling direction, such as a checklist of sources to be used in identifying a universe of commitments from which to sample.

Staff Action Taken Regarding Recommendation Number 1:

Memorandums were issued to the Division of Operating Reactor Licensing (DORL) project managers (PMs) in the Office of Nuclear Reactor Regulation (NRR) on December 15, 2011, and March 29, 2012 (References 5 and 8), providing specific guidance regarding sources of information that are expected to be reviewed when developing commitment audit sample lists. NRR agreed that the use of such a list will enhance the consistency and thoroughness of the PM sample selection for the commitment management audits. This guidance is scheduled to be incorporated into LIC-105 by September 14, 2012.

Recommendation Number 2:

Revise LIC-105, to include well-defined expectations and guidelines regarding the conduct of commitment management audits. The guidelines should include an expectation that audited commitments are reviewed to ensure that they have been appropriately implemented in the plant facility, procedures, program, or other plant documentation.

Staff Action Taken Regarding Recommendation Number 2:

Memorandums were issued to DORL PMs on December 15, 2011, and March 29, 2012 (References 5 and 8), providing management expectations and guidelines for PMs for conducting commitment management audit reviews. NRR agreed that establishing these expectations will enhance the quality of PM verification of licensee commitment implementation and change management. This guidance is scheduled to be incorporated into LIC-105 by September 14, 2012.

Recommendation Number 3:

Develop training that sufficiently addresses the definition and use of commitments and provide it to all agency staff involved in reviewing reactor licensee commitments.

Staff Action Taken Regarding Recommendation Number 3:

A corrective action was established to request development of a training module regarding the proper application of commitments. The requested training will be structured for use by all NRC staff involved in reviewing commitments. NRR agreed that this training will facilitate appropriate and consistent use of licensee commitments across the agency. A Human Resources Training and Development Resources Use Request, and associated justification, was submitted on March 30, 2012, to request the development of this training. Implementation of this training is scheduled to be completed by September 30, 2013. This training has been requested as a formal training module that will be required (for staff involved in reviewing commitments) on an annual basis.

NRR also established an interim corrective action to provide training to key NRC staff involved with the commitment management processes prior to the implementation of the formal training module. Briefing guides and training slides have been developed for use in group, interim training sessions. Additionally, just-in-time briefings are also being provided to individual PMs regarding the specific items addressed by the OIG audit recommendations as they commence commitment management audits for their assigned plants. Individual and group training briefings began in November of 2011. Interim training is scheduled to be provided to all affected agency staff by September 28, 2012.

Recommendation Number 4:

Identify actions to determine the extent to which commitments that are considered safety significant and/or necessary for approval of proposed licensing actions exist. This could be accomplished by either: (1) NRR project managers identifying any such commitments as part of the triennial commitment management audits, or (2) conducting a review of all existing commitments and identifying any inappropriately applied commitments. Any such commitments should be identified to NRC management for appropriate action.

Staff Action Taken Regarding Recommendation Number 4:

A memorandum was issued to DORL PMs on November 29, 2011 (Reference 4), that included guidance for PMs in distinguishing legal obligations from regulatory commitments in order to identify misapplied commitments when performing triennial commitment audits. Guidance was

provided on March 29, 2012 (Reference 8), that detailed additional audit sample selection criteria and expanded the scope of required licensee commitment reviews during commitment management audits. The NRC staff considers that identifying the existence of misapplied commitments within the scope of the triennial audit samples provides a timely assessment of the extent to which such commitments may exist, as stated in Recommendation Number 4. This guidance is scheduled to be incorporated into LIC-105 by September 14, 2012.

Recommendation Number 5:

Depending on the outcome of the efforts to meet Recommendation Number 4, develop and utilize a tool for systematically tracking the status of commitments that are deemed safety significant and/or necessary for approval of proposed licensing actions.

Staff Action Taken Regarding Recommendation Number 5:

The NRC staff's proposed action to implement Recommendation Number 5 will assess the data gathered from the triennial commitment management audits for the 9-month period following the March 29, 2012, issuance of the revised DORL guidance memorandum (Reference 8). The assessment will document the extent to which commitments have been misapplied as determined by the corrective actions established to implement Recommendation Number 4, and provide the basis for follow-on recommendations. This approach will facilitate the establishment of future actions for tracking and/or further assessment that will be appropriate for the extent to which misapplied commitments exist. The scheduled completion date for implementation of Recommendation Number 5 is January 31, 2013.

References for Question No. 5:

- 1. Office of Inspector General (OIG) Audit Report OIG-11-A-17, "Audit of NRC's [Nuclear Regulatory Commission] Management of Licensee Commitments (OIG-11-A-17)," dated September 19, 2011 (ADAMS Accession No. ML112620529).
- 2. NRC Office Instruction LIC-105, "Managing Regulatory Commitments Made by Licensees to NRC" (ADAMS Accession No. ML090640415).
- 3. Memorandum from Martin Virgilio to Stephen Dingbaum, "Audit of NRC's [Nuclear Regulatory Commission] Management of Licensee Commitments (OIG-11-A-17)," dated October 18, 2011 (ADAMS Accession No. ML112700129).
- Memorandum from the Division of Operating Reactor Licensing (DORL) Division Director to DORL Project Managers (PMs), "Commitment Management Audit – Identification of Inappropriately Applied Commitments," dated November 29, 2011 (ADAMS Accession No. ML113190085).
- 5. Memorandum from the DORL Division Director to DORL PMs, "Commitment Management Audit Guidance Regarding Commitment Management Audits," dated December 15, 2011 (ADAMS Accession No. ML113400148).
- 6. Memorandum from Stephen Dingbaum to R. W. Borchardt, "Status of Recommendations: Audit of NRC's Management of Licensee Commitments (OIG-11-A-17)," dated December 21, 2011 (ADAMS Accession No. ML113550212).
- 7. Memorandum from Eric Leeds to Stephen Dingbaum, "Status of Recommendations: Audit of NRC's Management of Licensee Commitments (OIG-11-A-17)," dated March 1, 2012 (ADAMS Accession No. ML120260304).

8. Memorandum from the DORL Division Director to DORL PMs, "Revised Guidance Regarding Commitment Management Audits," dated March 29, 2012 (ADAMS Accession No. ML120720345).

The table below contains license renewal information for the plants that have been issued renewed licenses

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | inspections scheduled to begin 3/4/2013, and 7/1/2013 | inspections scheduled to begin 2/27/2012, and 1/6/2014 | inspection date TBD | inspections scheduled to begin 2/27/2012, and 5/21/2012 | inspections scheduled to begin 11/26/2012, and 5/21/2012 | ML111460331; ML112560062 | ML111460331; ML112560062 | inspection date TBD | inspection date TBD |
|--|---|--|---|---|--|-----------------------------|-----------------------------|--------------------------|--------------------------|
| 7. Location of commitments in SER | Sections 3 and 4 of the SER or ML070640041 | Sections 3 and 4 of the SER or ML070640041 | Sections 3 and 4 of the SER or ML070640041 | Sections 3 and 4 of the SER or ML070640041 | Sections 3 and 4 of the SER or ML070640041 | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER |
| 6. ADAMS Accession Number for SER | ML011640099; ML011640177; ML011640217 | ML020020307 | ML020020307 | ML021280541 | ML021280541 | ML030280715 | ML030280715 | ML030280715 | ML030280715 |
| 5. SER NUREG Number | NUREG-1743 | NUREG-1803 | NUREG-1803 | NUREG-1759 | NUREG-1759 | NUREG-1766 | NUREG-1766 | NUREG-1766 | NUREG-1766 |
| 4. Start of the Period of Extended Operation Date | 05/20/14 | 08/06/14 | 06/13/18 | 07/19/12 | 04/10/13 | 05/25/12 | 01/29/13 | 04/01/18 | 08/21/20 |
| 3. Renewed License Issuance Date | 06/20/01 | 01/15/02 | 01/15/02 | 06/06/02 | 06/06/02 | 03/20/03 | 03/20/03 | 03/20/03 | 03/20/03 |
| 2. Unit Number | ~ | ~ | 2 | 3 | 4 | _ | 2 | ~ | 2 |
| 1. Plant | Arkansas Nuclear One | Edwin I. Hatch Nuclear Plant | Edwin I. Hatch Nuclear Plant | Turkey Point Nuclear Plant | Turkey Point Nuclear Plant | Surry Power Station | Surry Power Station | North Anna Power Station | North Anna Power Station |

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | inspection date TBD | inspection date TBD | inspection date TBD | inspection date TBD | inspections scheduled to begin 11/5/2012, and 2/4/2013 | inspection date TBD | inspection date TBD | inspection date TBD | inspection date TBD | ML100970495; ML101590782 | inspection date TBD | ML081650326; ML091830868 | ML093570258 |
|--|--------------------------------------|--------------------------------------|-------------------------|-------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------------------|----------------------------|-----------------------------|-------------------------------|
| 7. Location of commitments in SER | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER | Appendix A of the SER | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER | Appendix D of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER |
| 6. ADAMS Accession Number for SER | ML031010136 | ML031010136 | ML032940205 | ML032940205 | ML033020438 | ML030850251 | ML030850251 | ML030850251 | ML030850251 | ML041810563 | ML041040070 | ML041400502 | ML043060581 |
| 5. SER NUREG Number | NUREG-1769 | NUREG-1769 | NUREG-1779 | NUREG-1779 | NUREG-1782 | NUREG-1772 | NUREG-1772 | NUREG-1772 | NUREG-1772 | NUREG-1785 | NUREG-1787 | NUREG-1786 | NUREG-1796 |
| 4. Start of the Period of Extended Operation Date | 08/08/13 | 07/02/14 | 03/01/16 | 04/06/23 | 08/09/13 | 06/12/21 | 03/03/23 | 12/05/23 | 12/05/23 | 07/31/10 | 08/06/22 | 09/18/09 | 12/22/09 |
| 3. Renewed License Issuance Date | 05/07/03 | 05/07/03 | 10/02/03 | 10/02/03 | 11/04/03 | 12/05/03 | 12/05/03 | 12/05/03 | 12/05/03 | 04/19/04 | 04/23/04 | 05/19/04 | 10/28/04 |
| 2. Unit Number | 2 | က | _ | 2 | - | 1 | 2 | - | 2 | 2 | ~ | ~ | 2 |
| 1. Plant | Peach Bottom Atomic Power Station | Peach Bottom Atomic Power Station | St. Lucie Nuclear Plant | St. Lucie Nuclear Plant | Fort Calhoun Station | McGuire Nuclear Station | McGuire Nuclear Station | Catawba Nuclear Station | Catawba Nuclear Station | H.B. Robinson Steam Electric Plant | VC. Summer Nuclear Station | Ginna Nuclear Power Plant | Dresden Nuclear Power Station |

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | ML103560677 | ML11194A061; further inspections are scheduled to begin 9/3/2012 | inspections scheduled to begin 3/5/2012, and 9/3/2012 | inspection date TBD | inspection date TBD | inspection date TBD | inspection scheduled to begin 4/1/2013 | inspection date TBD | inspection date TBD | inspection date TBD | ML101200365; ML102850469 |
|--|-------------------------------|---|---|-----------------------|-----------------------|-----------------------------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 7. Location of commitments in SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER |
| 6. ADAMS Accession Number for SER | ML043060581 | ML043060581 | ML043060581 | ML051250126 | ML051250126 | ML043200228; ML051730233 | ML052230442 | ML052230442 | ML053270483; ML053290180 | ML053270483; ML053290180 | ML053420129 |
| 5. SER NUREG Number | NUREG-1796 | NUREG-1796 | NUREG-1796 | NUREG-1825 | NUREG-1825 | NUREG-1828 | NUREG-1831 | NUREG-1831 | NUREG-1838 | NUREG-1838 | NUREG-1839 |
| 4. Start of the Period of Extended Operation Date | 01/12/11 | 12/14/12 | 12/14/12 | 06/25/17 | 03/31/21 | 07/17/18 | 10/25/14 | 12/23/17 | 07/31/15 | 11/25/25 | 10/05/10 |
| 3. Renewed License Issuance Date | 10/28/04 | 10/28/04 | 10/28/04 | 05/12/05 | 05/12/05 | 06/30/05 | 08/30/05 | 08/30/05 | 11/28/05 | 11/28/05 | 12/22/05 |
| 2. Unit Number | Э | ~ | 2 | L | 2 | 2 | - | 2 | 2 | 3 | _ |
| 1. Plant | Dresden Nuclear Power Station | Quad Cities Nuclear Power Station | Quad Cities Nuclear Power Station | Farley Nuclear Plant | Farley Nuclear Plant | Arkansas Nuclear One | DC Cook Nuclear Power Plant | DC Cook Nuclear Power Plant | Millstone Power Station | Millstone Power Station | Point Beach Nuclear Plant |

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | inspections scheduled to begin 10/1/2012, and 1/7/2013 | inspections scheduled to begin 10/29/2012, and 6/3/2013 | inspections scheduled to begin 4/1/2013, and 1/6/2014 | inspection date TBD | inspections scheduled to begin 3/18/2013, and 6/2/2014 | inspection date TBD | ML092220005 | inspection date TBD | ML091540669; ML102450165 | ML103400593; ML11126A328 |
|--|--|---|---|----------------------------|--|--------------------------------|---------------------------------|---------------------------------|--|-------------------------------|
| 7. Location of commitments in SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER |
| 6. ADAMS Accession Number for SER | ML053420129 | ML061030027 | ML061030027 | ML061030027 | ML061730126 | ML061730126 | ML062890129; ML062890236 | ML062890129; ML062890236 | ML063050414 | ML070600578 |
| 5. SER NUREG Number | NUREG-1839 | NUREG-1843 | NUREG-1843 | NUREG-1843 | NUREG-1856 | NUREG-1856 | NUREG-1900 | NUREG-1900 | NUREG-1865 | NUREG-1871 |
| 4. Start of the Period of Extended Operation Date | 03/08/13 | 12/20/13 | 06/28/14 | 07/02/16 | 12/27/14 | 09/08/16 | 08/22/09 | 10/31/26 | 09/08/10 | 03/24/11 |
| 3. Renewed License Issuance Date | 12/22/05 | 05/04/06 | 05/04/06 | 05/04/06 | 06/26/06 | 06/26/06 | 10/31/06 | 10/31/06 | 11/08/06 | 01/17/07 |
| 2. Unit Number | 2 | ~ | 2 | 3 | 2 | _ | - | 2 | - | ~ |
| 1. Plant | Point Beach Nuclear Plant | Browns Ferry Nuclear Plant | Browns Ferry Nuclear Plant | Browns Ferry Nuclear Plant | Brunswick Steam Electric Plant | Brunswick Steam Electric Plant | Nine Mile Point Nuclear Station | Nine Mile Point Nuclear Station | Monticello Nuclear Generating Plant | Palisades Nuclear Power Plant |

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | inspection date TBD | inspection date TBD | inspection date TBD | ML090210106; ML091380379 | inspection date TBD | inspection date TBD | inspection date TBD | inspection date TBD | inspection date TBD | inspection date TBD |
|--|---------------------------------|-------------------------------|---------------------------------------|---|----------------------------------|----------------------------------|-----------------------------------|---|---|---------------------------------------|
| 7. Location of commitments in SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER |
| 6. ADAMS Accession Number for SER | ML081510826 | ML083090483 | ML090060733; ML090020420 | ML071290023; ML071310246; ML083170611 | ML091320259; ML091320236 | ML091320259; ML091320236 | ML092950458 | ML093020274; ML093000278; ML093140250 | ML093020274; ML093000278; ML093140250 | ML093170786 |
| 5. SER NUREG Number | NUREG-1905 | NUREG-1915 | NUREG-1916 | NUREG-1875 | NUREG-1920 | NUREG-1920 | NUREG-1928 | NUREG-1929 | NUREG-1929 | NUREG-1931 |
| 4. Start of the Period of Extended Operation Date | 10/17/14 | 03/11/25 | 10/24/26 | 04/09/09 | 01/16/27 | 02/09/29 | 04/19/14 | 01/29/16 | 05/27/27 | 07/17/22 |
| 3. Renewed License Issuance Date | 80/80/60 | 11/20/08 | 12/17/08 | 04/08/09 | 60/20/90 | 60/80/90 | 10/22/09 | 11/05/09 | 11/05/09 | 11/24/09 |
| 2. Unit Number | - | - | - | _ | l | 2 | 1 | _ | 2 | 1 |
| 1. Plant | Fitzpatrick Nuclear Power Plant | Wolf Creek Generating Station | Shearon Harris Nuclear Power Plant | Oyster Creek Generating Station | Vogtle Electric Generating Plant | Vogtle Electric Generating Plant | Three Mile Island Nuclear Station | Beaver Valley Power Station | Beaver Valley Power Station | Susquehanna Steam Electric Station |

| 8. ADAMS Accession Number for IP 71003 inspection report or upcoming date of IP 71003 inspection | inspection date TBD | inspections scheduled to begin 11/5/2012, 11/4/2013 | inspections scheduled to begin 10/1/2012, and 11/4/2013 | inspections scheduled to begin 4/2012, and 10/7/2013 | ML113560064; additional inspection report ML number TBD | inspection date TBD | inspection date TBD | inspection date TBD | inspections scheduled to begin 7/2/2012, and 5/6/2013 |
|--|---------------------------------------|---|---|--|---|--|--|--|---|
| 7. Location of commitments in SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER | Appendix A of the SER |
| 6. ADAMS Accession Number for SER | ML093170786 | ML103070009 | ML103070013 | ML110340147 | ML081430057; ML081430109; ML092740567 | ML11095A011 | ML11095A011 | ML11095A011 | ML11235A622; ML11236A175 |
| 5. SER NUREG Number | NUREG-1931 | NUREG-1944 | NUREG-1955 | NUREG-1958 | NUREG-1907 | NUREG-1961 | NUREG-1961 | NUREG-1961 | NUREG-1960 |
| 4. Start of the Period of Extended Operation Date | 03/23/24 | 01/18/14 | 02/21/14 | 12/21/13 | 03/21/12 | 06/01/25 | 04/24/26 | 11/25/27 | 08/09/13 |
| 3. Renewed License Issuance Date | 11/24/09 | 11/29/10 | 12/16/10 | 02/24/11 | 03/21/11 | 04/21/11 | 04/21/11 | 04/21/11 | 06/27/11 |
| 2. Unit Number | 2 | _ | _ | _ | ~ | _ | 2 | 3 | 1 |
| 1. Plant | Susquehanna Steam Electric Station | Cooper Nuclear Station | Duane Arnold Energy Center | Kewaunee Power Station | Vermont Yankee Nuclear Power Station | Palo Verde Nuclear Generating Station | Palo Verde Nuclear Generating Station | Palo Verde Nuclear Generating Station | Prairie Island Nuclear Generating Plant |

| + | 2. | ن | 4. | 5. | .9 | 7. | 8. |
|--|----------------|------------------|-------------------------------|---------------------|-----------------------------|--------------------------------|---|
| Plant | Unit Number | Renewed | Start of the Period of | SER NUREG Number | ADAMS Accession | Location of commitments in SER | ADAMS Accession Number for IP 71003 |
| | | Issuance Date | Extended Operation Date | | Number for SER | | inspection report or upcoming date of IP 71003 inspection |
| Prairie Island Nuclear Generating Plant | 2 | 06/27/11 | 10/29/14 | NUREG-1960 | ML11235A622; ML11236A175 | Appendix A of the SER | inspections scheduled to begin 3/4/2013, and 7/7/2014 |
| Salem Nuclear Generating Station | - | 06/30/11 | 08/13/16 | NUREG-2101 | ML11166A135 | Appendix A of the SER | inspection date TBD |
| Salem Nuclear Generating Station | 2 | 06/30/11 | 04/18/20 | NUREG-2101 | ML11166A135 | Appendix A of the SER | inspection date TBD |
| Hope Creek Nuclear Generating Station | - | 07/20/11 | 04/11/26 | NUREG-2102 | ML11200A221 | Appendix A of the SER | inspection date TBD |