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1CAN091503

September 28, 2015

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: Evaluations Described Response to Request for
Additional Information 15(a)
Reactor Vessel Internals Aging Management Program Plan
Arkansas Nuclear One, Unit 1
Docket No. 50-313
License No. DPR-51

- REFERENCES:
- 1 Entergy letter to NRC, "Reactor Vessel Internals Aging Management Program Plan," dated May 20, 2014 (1CAN051403) (ML14141A554)
 - 2 NRC email to Entergy, dated December 2, 2014, "Requests for Additional Information – Reactor Vessel Internals Aging Management Plan – ANO-1 – TAC No. MF4201"
 3. Entergy letter to NRC, "Responses to Request for Additional Information – Reactor Vessel Internals Aging Management Program Plan," dated February 10, 2015 (1CAN021503) (ML15043A102)
 4. NRC letter to Duke Energy Carolinas. LLC, "Oconee Nuclear Station, Units 1, 2, and 3, Issuance of Amendments Regarding Inspection Plan for Reactor Vessel Internals (TAC NOS ME9024, ME9025, and ME9026)", dated June 19, 2015 (ML15050A671)

Dear Sir or Madam:

Entergy Operations, Inc. (Entergy) submitted the Arkansas Nuclear One, Unit 1 (ANO-1) Reactor Vessel Internals Aging Management Program Plan (Reference 1) to fulfill a commitment made as part of the ANO-1 License Renewal Application. The plan identified the reactor vessel internals components that must be included for aging management review and identified the augmented inspection plan for those components.

Attachment 1 to this letter contains proprietary information – Attachment 1 is withheld from public disclosure per 10 CFR 2.390.

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The NRC Staff has reviewed the submittal and developed a request for additional information (RAI). This request was provided via Reference 2. Reference 3 provided the responses to the RAIs.

RAI 15 is related to the Applicant / Licensee Action Item 7 of the NRC Staff Safety Evaluation (SE) for MRP-227-A. This action requires the development of plant-specific analyses to demonstrate reactor vessel internal components that may be fabricated from cast austenitic stainless steel, martensitic stainless steel or precipitation hardened stainless steel, will maintain their functionality during the period of extended operation. In Reference 3, Entergy committed to provide the requested evaluations by September 2015. The purpose of this submittal is to provide the requested information.

The evaluations presented in this submittal are similar to those that were approved by the NRC in the SE for the Oconee station (Reference 4). It should be noted that Reference 4 addresses other Applicant / Licensee Action Items in addition to Item 7.

The evaluations were developed by AREVA for both ANO-1 and Oconee 1, 2 and 3.

AREVA document ANP-3417P, Revision 0, "MRP-227-A Applicant / Licensee Action Item #7 Analysis for Arkansas Nuclear One Unit 1," has been prepared to summarize the analyses performed for the applicable component items at ANO-1 to complete applicant / licensee action item #7 from MRP-227-A for ANO-1. The information contained in the AREVA document is considered proprietary to AREVA. Attachment 1 is the proprietary version of the document. A non-proprietary version of the AREVA document is included in Attachment 2. AREVA requests that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390. AREVA has provided Entergy with authorization to provide the proprietary information. An affidavit by the information owner, AREVA, supporting the request for non-disclosure is provided in Attachment 3. Therefore, Entergy requests that Attachment 1 of this submittal be withheld from public disclosure in accordance with 10 CFR 2.390. It should be noted that the information contained in Attachment 2 is not considered proprietary.

One new regulatory commitment has been identified in this letter. This commitment is listed in Attachment 4.

If you have any questions or require additional information, please contact me.

Sincerely,



SLP/rwc

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Attachments

1. AREVA document ANP-3417P, Revision 0, "MRP-227-A Applicant / Licensee Action Item #7 Analysis for Arkansas Nuclear One Unit 1," PROPRIETARY
2. AREVA document ANP-3417NP, Revision 0, "MRP-227-A Applicant / Licensee Action Item #7 Analysis for Arkansas Nuclear One Unit 1," NON-PROPRIETARY
3. Affidavit
4. List of Commitments

cc: Mr. Marc L. Dapas
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