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Jeremy G. Browning
Vice President - Operations
Arkansas Nuclear One

1CAN031504

March 25, 2015

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

SUBJECT: Responses to Request for Additional Information
Update the Reactor Coolant System Pressure and Temperature and the
Low Temperature Overpressure Protection System Limits
Arkansas Nuclear One, Unit 1
Docket No. 50-313
License No. DPR-51

REFERENCES: 1. Entergy letter to NRC, "License Amendment Request Update the Reactor Coolant System Pressure and Temperature and the Low Temperature Overpressure Protection System Limits," dated November 21, 2014 (1CAN111401) (ML14330A249)

2. NRC email to Entergy dated March 20, 2015, "Arkansas Nuclear One, Unit No. 1, Request for Additional Information (2nd Round) License Amendment Request (TAC No. MF5292)"

Dear Sir or Madam:

In accordance with the provisions of Title 10 of the Code of Federal Regulations (10 CFR) Section 50.90, Entergy Operations, Inc. (Entergy) submitted a request for an amendment to the Arkansas Nuclear One, Unit 1 (ANO-1) Technical Specifications (TS) to revise the Reactor Coolant System Pressure and Temperature (P/T) Limits (TS 3.4.3); Pressurizer (TS 3.4.9); Pressurizer Safety Valves (TS 3.4.10); and Low Temperature Overpressure Protection (LTOP) System (TS 3.4.11) requirements (Reference 1). The proposed changes would extend the applicability of the limits from 31 Effective Full Power Years (EFPY) to 54 EFPY.

In the course of its review, the NRC staff has determined that additional information is required to complete its evaluation of the request (Reference 2). Entergy's response to the NRC's request for additional information (RAI) is included in attachment to this letter.

**Attachments 1 and 3 to this letter contains proprietary information –
Attachments 1 and 3 are withheld from public disclosure per 10 CFR 2.390**

ADD
NRC

AREVA document ANP 3300Q3P, Revision 0, "Response to Request for Additional Information on Reactor Coolant System Pressure/Temperature and Low Temperature Overpressure Protection System Limits to 54 EFPY for Arkansas Nuclear One, Unit 1" has been prepared with the response to the request. 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.

During a conference call on March 23, 2015, the NRC requested a copy of the AREVA LTOP calculation. Attachment 3 is a copy of AREVA's proprietary calculation 32-9220706-002, "ANO-1 LTOP P-T Limits for 54 EFPY". A non-proprietary version of this calculation is not available.

AREVA requests that the proprietary information provided in Attachments 1 and 3 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 4. Therefore, Entergy requests that Attachments 1 and 3 of this submittal be withheld from public disclosure in accordance with 10 CFR 2.390.

With respect to the original Entergy request, the information contained in this submittal has been evaluated and Entergy has determined that the assessment of the no significant hazards consideration provided in Reference 1 is not invalidated by this additional information.

In accordance with 10 CFR 50.91(b)(1), a copy of this application is being provided to the designated Arkansas state official.

No new commitments have been identified in this letter.

If you have any questions or require additional information, please contact Stephenie Pyle at 479-858-4704.

I declare under penalty of perjury that the foregoing is true and correct.
Executed on March 25, 2015.

Sincerely,

A handwritten signature in black ink, appearing to be "JGB", written over a set of horizontal lines. The signature is stylized and somewhat cursive.

JGB/rwc

Attachments

1. AREVA document ANP 3300Q3P, Revision 0, "Response to Request for Additional Information on Reactor Coolant System Pressure/Temperature and Low Temperature Overpressure Protection System Limits to 54 EFPY for Arkansas Nuclear One, Unit 1"
PROPRIETARY
2. AREVA document ANP 3300Q3NP, Revision 0, "Response to Request for Additional Information on Reactor Coolant System Pressure/Temperature and Low Temperature Overpressure Protection System Limits to 54 EFPY for Arkansas Nuclear One, Unit 1"
NON-PROPRIETARY
3. AREVA Calculation 32-9220706-002, "ANO-1 LTOP P-T Limits for 54 EFPY"
PROPRIETARY
4. Affidavit

cc: Mr. Marc L. Dapas
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

NRC Senior Resident Inspector
Arkansas Nuclear One
P. O. Box 310
London, AR 72847

U. S. Nuclear Regulatory Commission
Attn: Ms. Andrea E. George
MS O-8B1
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Mr. Bernard R. Bevill
Arkansas Department of Health
Radiation Control Section
4815 West Markham Street
Slot #30
Little Rock, AR 72205

Attachment 4 to

1CAN031504

Affidavit

For Information Only

made in accordance with 10 CFR 2.390. The information for which withholding from disclosure is requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information."

6. The following criteria are customarily applied by AREVA to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA, would be helpful to competitors to AREVA, and would likely cause substantial harm to the competitive position of AREVA.

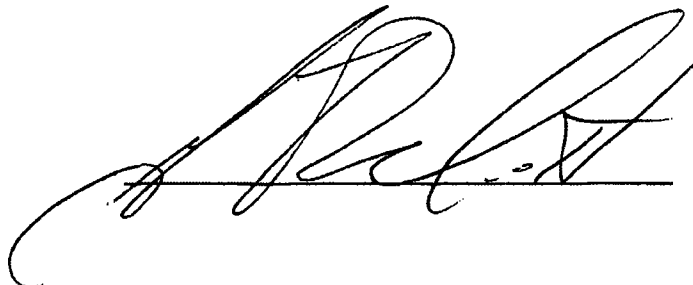
The information in these Documents is considered proprietary for the reasons set forth in paragraphs 6(c), 6(d) and 6(e) above.

~~7. In accordance with AREVA's policies governing the protection and control of information, proprietary information contained in these Documents has been made available, on a limited basis, to others outside AREVA only as required and under suitable agreement providing for nondisclosure and limited use of the information.~~

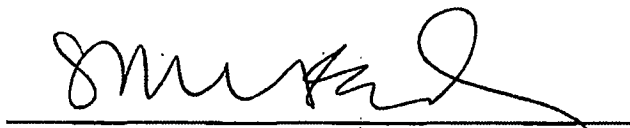
8. AREVA policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

For Information Only

9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.



SUBSCRIBED before me this 25th
day of March, 2015.



Sherry L. McFaden
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES: 10/31/18
Reg. # 7079129

