PMNorthAnna3COLPEmails Resource

From: Dozier, Tamsen
Sent: Monday, July 26, 2010 9:28 AM
To: 'Harry Ruth'
Cc: Williamson, Alicia; Patel, Chandu
Subject: RE: North Anna 3 - Change of Reactor Types
Attachments: ML101410207 (2).pdf

Dear Mr. Ruth:

Per your request, I am attaching a copy of the May 18 letter from Dominion (file name is the accession number in the NRC's Agency-wide Documents Access and Management System (ADAMS)). Concerning your question as to the differences between the ESBWR and the US-APWR, the information for both of those designs is located on our web site at http://www.nrc.gov/reactors/new-reactors/design-cert.html For specifics on those design characteristics of the reactor that Dominion proposes to build, that information is available in the Dominion COL application. I have been told that the application should be made publicly available any day now. You may contact Mr. Patel and he may have more information about that.

As soon as the modified review schedule has been decided, it will be posted to our web site and I will make sure you receive a copy of the schedule letter that is issued.

You are most likely aware that we will be meeting with Dominion on July 27 to discuss their application. If you would like to listen in on those discussions, please contact Mr. Patel to pre-register and he will provide you with that call-in information. Please note that we will be discussing Dominion's environmental report at 1:00PM that day as part of the larger meetiing. At 2:00 we are having a separate short discussion about some more specifics of the environmental report. If you would like to call-in and listen to those additional discussions that are more specific to the environmental report, please let me know and I will pre-register you and provide the call-in information. Please notify me before 10AM on the 27th.

Thank you for your involvement in these reviews.

Tamsen Dozier

Tamsen Dozier
Project Manager
NRO/DSER/RAP1
301-415-2272

From: Harry Ruth [mailto:HC.RUTH@LOUISA.NET]
Sent: Friday, July 23, 2010 2:25 PM
To: Dozier, Tamsen; Patel, Chandu
Subject: Fw: North Anna 3 - Change of Reactor Types

Tamzen and Chandu (NRC)

Please see below for email sent yesterday to the North Anna 3 Project Team.

I will look forward to your response. Thanks

Harry

----- Original Message -----
From: Harry Ruth
To: Alicia Williamson (NRC COL Proj Mgr.) ; Andrew Kugler (NRC) ; Michael Masnik (NRC Biologist) ; Francis (Chip) Cameron (NRC-Legal) ; Christopher Cook (NRC Hydrologist) ; Nitin Patel (NRC)
Cc: Willie Gentry (LCBS) ; Dan Byers (Jackson Dist) ; Dennis Schaible ; John & Tessie Fugett (Busbees) ; Barbara Crawford (Cuckoos Nest) ; Bob & Jo Richards ; Chuck Grutzius (Covenant Cove) ; Duane Redic ; Gary & Linda Bullis ; Gary Muller ; George & Gerry Heino ; Helen & Bruce McCotter (Red Hat) ; Ken Remmers ; Rich Kunz(Covenant Cove) ; Richard Morrow ; Steve (Ski) Monoski (Both Waters) ; Tersh & Jean Norton ; Walter Michalski ; Christopher Paine (NRDC) ; Rick Parrish (SELC)
Sent: Thursday, July 22, 2010 11:31 AM
Subject: North Anna 3 - Change of Reactor Types

22 Jul 2010

Dear Nuclear Regulatory Commission
Project Team for the North Anna 3rd Reactor

It is requested that you provide answers to the following questions prior to the planned meeting between the NRC and Dominion Virginia Power to discuss the revised application for the North Anna (Unit 3) Combined License scheduled of July 27, 2010 in Rockville, MD.

1. On May 7, 2010 Dominion announced that they were switching the reactor types from GE Hitachi (Economic Simplified Boiling Water Reactor) - ESBWR to the Mitsubishi (Advanced Pressurized Water Reactor) US-APWR.

a. On May 18, 2010 Dominion sent NRC a letter and referenced a revised North Anna 3 Construction and Operating License would be submitted prior to 30 Jun 2010. Can you please email a copy of this letter, so the public is aware of what Dominion is requesting of the NRC. .

b. What are all (minor and major differences/variances) between the old and new reactors. Please include water consumption, water thermal input/output, environmental and safety aspects when defining all the differences/variances.

2. Changing nuclear reactor types is a major change and all environmental/safety aspects should be revisited. Since the NRC has now had about 3 months to study the minor and major differences/variances of the reactor types, plus advance time prior to the official announcement, the public should be made aware of these environmental and safety findings prior to any further proceedings for a revised Construction and Operating License for Unit 3 at the North Anna Site.

3. The public should also have time to review these minor and major environmental/safety changes prior to proceeding. Thank you in advance for your prompt response.

Sincerely,

Harry Ruth
for the Friends of Lake Anna
C/O 230 Heather Drive, Bumpass, Va. 23024
Phone 540-872-3632

Hearing Identifier: NorthAnna3_Public_EX
Email Number: 879

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Sent Date: 7/26/2010 9:27:49 AM
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From: Dozier, Tamsen

Created By: Tamsen.Dozier@nrc.gov

Recipients:
"Williamson, Alicia" <Alicia.Williamson@nrc.gov>
Tracking Status: None
"Patel, Chandu" <Chandu.Patel@nrc.gov>
Tracking Status: None
"'Harry Ruth'" <HC.RUTH@LOUISA.NET>
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Options
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Return Notification: No
Reply Requested: No
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Recipients Received:

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Dominion®

May 18, 2010

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. NA3-10-010
Docket No. 52-017
COL/JDH

DOMINION VIRGINIA POWER
NORTH ANNA UNIT 3
COMBINED LICENSE APPLICATION—TECHNOLOGY CHANGE

Following an extensive competitive bidding process for a North Anna Unit 3 reactor technology, Dominion announced on May 7, 2010 that it has selected the Mitsubishi Heavy Industries, Ltd. U.S. Advanced Pressurized Water Reactor (US-APWR). The Combined License Application (COLA) for North Anna Unit 3 that was submitted to NRC on November 27, 2007 incorporated by reference the General Electric-Hitachi ESBWR technology. To reflect the technology decision, Dominion is preparing and will submit a revised North Anna Unit 3 COLA to the NRC on or before June 30, 2010. The revised COLA will incorporate by reference the Design Control Document for the US-APWR design currently under NRC review.

NRC's review of the North Anna Unit 3 COLA is well-advanced. NRC has completed all four phases of its environmental review and published its Final Supplemental Environmental Impact Statement in February 2010. NRC has completed the first three phases of its six-phase safety review. The Safety Evaluation Report (SER) chapters with open items were issued in August 2009 completing Phase 2. The Advisory Committee on Reactor Safeguards issued its letter report in October 2009 completing Phase 3. NRC and Dominion are now in Phase 4 working to close the remaining open items.

Dominion has conducted a review of the remaining open items. We have identified those open items for which continuing the efforts to resolve appears to be of benefit. Dominion is prepared to provide that information to NRC as well as provide NRC with an overview of the revised COLA and discuss technical issues. To that end, Dominion proposes to meet with NRC in the near-term. We will work with you to identify mutually-agreeable dates for such meetings.

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NRO

We note that the impact on NRC's review from Dominion's decision to change technology is ameliorated by several factors:

- The Part 52 process allows standard design information to be incorporated by reference in the COLA and thus provides a straight-forward mechanism to implement such a change. Dominion's decision has no direct impact on NRC's ongoing review of the design certification for either reactor technology.

- The North Anna Early Site Permit, issued in November 2007, was based on a plant-parameter envelope (PPE) approach that supports a variety of light water reactor (LWR) technologies. The US-APWR design is an advanced LWR with design characteristics enveloped by the PPE with only minor variances that will be addressed in Dominion's revised COLA.

- Under the design-centered review approach, Luminant's Comanche Peak application is the Reference or R-COLA within the US-APWR Design-Centered Working Group (DCWG). The revised North Anna Unit 3 COLA will be designated a Subsequent or S-COLA. Dominion has begun coordinating with other US-APWR DCWG members. In parallel, we are coordinating our withdrawal from the ESBWR DCWG in a controlled manner to minimize any adverse impacts on that design center.

- To reduce the scope, duration, and resource requirements needed for NRC to complete its review, Dominion will retain as much previously reviewed and approved content as possible in the revised North Anna Unit 3 COLA. The COLA revision is limited to reflecting the technology change and to incorporating previous RAI responses or commitments, where appropriate. Wherever possible, the revised content is also being prepared to maximize standardization with the US-APWR R-COLA.

We look forward to continuing interactions with NRC and acquiring a Combined License for North Anna Unit 3. If you have any questions, please contact Mr. Joseph D. Hegner at 804-273-2770 (joseph.hegner@dom.com).

Very truly yours,

Eugene S. Grecheck

Commitments made by this letter:

1. Submit North Anna COLA revision incorporating US-APWR technology on or before June 30, 2010.

cc: U. S. Nuclear Regulatory Commission, Region II
H. Hamzehee, NRC
C. Patel, NRC
J. Jessie, NRC
J. T. Reece, NRC
F. Gillespie, MNES
D. Woodlan, Luminant
P. Smith, DTE
S. Atherton, GEH