PMBelCOL PEmails

From: Comar, Manny
Sent: Monday, October 04, 2010 8:36 AM
To: BelCol Resource
Subject: FW: TVA Drop-In August 2010 v_3.docx
Attachments: TVA Drop-In August 2010 v_3.docx

From: Fetter, Allen
Sent: Thursday, August 12, 2010 8:43 AM
To: Comar, Manny
Cc: See, Kenneth
Subject: TVA Drop-In August 2010 v_3.docx

Here's the final version incorporating input by Nilesh.

Please let me know if you have any questions.

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1825

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D029D2092C2E)

Subject: FW: TVA Drop-In August 2010 v_3.docx
Sent Date: 10/4/2010 8:36:06 AM
Received Date: 10/4/2010 8:36:09 AM
From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:
"BelCol Resource" <BelCol.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	270	10/4/2010 8:36:09 AM
TVA Drop-In August 2010 v_3.docx	16523	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

TVA Drop-In with NRO
August 12, 2010

Purpose

TVA wants to provide a recap of its August 11th meeting with the chairman, give an update on Bellefonte COLA status (Units 3 &4), and discuss the upcoming TVA Board meeting (August 20, 2010)

Background

The TVA Bellefonte site hosts two partially constructed Babcock and Wilcox-designed nuclear units (Units 1 and 2), and is also undergoing COLA review for Units 3 & 4 (AP-1000 design). While the completion of one or both of the partially constructed units was not under consideration when the COLA was submitted in 2008, changing circumstances have made the completion and operation those units a potentially attractive option for TVA. Specifically, TVA staff's preferred alternative in May 12, 2010 final supplemental environmental impact statement (FSEIS) is the completion of Bellefonte Unit 1. While the TVA Board will meet to discuss the alternatives on August 20, 2010, absent TVA's latest Final Integrated Resource Plan (expected completion: February 2011), a prescriptive decision by the Board is not expected at this time. Instead, the Board is likely to authorize around $250 million for engineering studies related to the completion of Bellefonte Unit 1. A more prescriptive project decision regarding Unit 1 is expected to be forthcoming during the April 2011 Board meeting.

Based on discussions with TVA, they still intend to continue with the COLA for Units 3 & 4, albeit at a slower rate. However, before a final decision is made regarding a four-unit site, TVA intends to complete a feasibility study to determine if the site can support four units. If the feasibility study shows that four units are tenable at the site, the current SSAR and ER would need to be revised to account for any requisite changes, such as moving the AP-1000 power block ~450 feet to the north and adding two more cooling towers. The tentative timeframe for resubmission of those reports is as early as September 2012. As an action item discussed during previous drop-in meetings with NRC management, TVA has promised the NRC a "transparent" letter following the August 2010 Board meeting outlining specific plans regarding the COLA for Units 3 & 4.

Continued NRC review and resolution of TVA RAI responses to hydrology safety issues identified in the COLA review are considered a priority by TVA as most are germane to site suitability regardless of which technology is chosen first. Work on this aspect of the COLA (Units 3 & 4) review will help inform TVA on the PMF (Probable Maximum Flood) determination, dam breach-induced flooding levels and contaminant transport via groundwater (accidental release) for all four units at the site. For confirmation of dam breach flood elevations, DSER is pursuing an Interagency Agreement with the US Bureau of Reclamation for their assistance in this area. Following the receipt of additional RAI responses from TVA, the estimated timeline

for closing these aforementioned open items is 6 months (Actual schedule will be contingent on project priority, and staff and contractor resources). Note that if TVA intends to pursue Unit 1 first, NRO would be supporting an NRR-led review. Current NRO support to NRR involves developing a confirmatory model for PMF elevations estimated by TVA at the Sequoyah nuclear power station. This effort by Pacific Northwest National Lab is expected to be 6 months in duration (period of performance). NRO plans on asking for additional information from TVA in order to incorporate more detailed information into the confirmatory model.

Attendees

- Ashok Bhatnagar, Senior Vice President, Nuclear Generation Development & Construction
- Jack Bailey, Vice President, Nuclear Generation Development & Construction
- Gordon Arendt, General Licensing Manager, Nuclear Generation Development & Construction

Areas of Focus

- Discuss the need for a “transparent” letter from TVA regarding specific plans for the Bellefonte COLA (Units 3 & 4)
- Elicit how TVA expects continued NRO review and resolution of hydrology issues identified during the Bellefonte COLA review will benefit an NRR review under Part 50

Manny Comar, DNRL

Allen Fetter, DSER

August 11, 2010