

PMVogleCOLPEm Resource

From: Habib, Donald
Sent: Friday, June 04, 2010 1:18 PM
To: PMVogleCOLPEm Resource
Cc: Joshi, Ravindra; 'Aughtman, Amy G.'; Peng, Shie-Jeng
Subject: Audit Plan for Review of Calculation Associated with Control Room Habitability Chemical Releases SRP 6.4
Attachments: VogleCOL June2010 SRP6.4 audit_plan.docx

MEMORANDUM TO: File (Vogle COLA Units 3 and 4)

From: Donald Habib, Project Manager
AP1000 Projects Branch (NWE1)
Division of New Reactor Licensing
Office of New Reactors

Attached is the audit plan for review of calculation packages associated with Vogle's control room habitability analysis.

Hearing Identifier: Vogtle_COL_Public
Email Number: 510

Mail Envelope Properties (E3D0DF334F617344BE38EB00C881B1B30B3569CE6E)

Subject: Audit Plan for Review of Calculation Associated with Control Room Habitability
Chemical Releases SRP 6.4
Sent Date: 6/4/2010 1:17:54 PM
Received Date: 6/4/2010 1:17:57 PM
From: Habib, Donald

Created By: Donald.Habib@nrc.gov

Recipients:

"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>
Tracking Status: None
"Aughtman, Amy G." <AGAUGHTM@SOUTHERNCO.COM>
Tracking Status: None
"Peng, Shie-Jeng" <Shie-Jeng.Peng@nrc.gov>
Tracking Status: None
"PMVogtleCOLPEm Resource" <PMVogtleCOLPEm.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	372	6/4/2010 1:17:57 PM
VogtleCOL June2010 SRP6.4 audit_plan.docx		25715

Options

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

AUDIT PLAN TO REVIEW CALCULATION RELATED TO VOGTLE FSAR SECTIONS 6.4

APPLICANT: Southern Nuclear Operating Company (SNC)

APPLICANT CONTACTS: Amy Aughtman (SNC)
Donald Lindgren (Westinghouse)

BACKGROUND

The Vogtle COL application Table 6.4-201 contains information on onsite chemical storage, including information identifying chemicals and providing the distance to Class I safety structures. This information is provided to demonstrate conformance with standards for control room habitability related to onsite chemical releases.

The applicant prepared this COL content based, in part, on calculations developed by the reactor designer, Westinghouse.

On March 15, 2010, an updated version of Table 6.4-201 was submitted by Tennessee Valley Authority (TVA) for the Bellefonte COL application. The table included a "standard" portion applicable to all AP1000 applicants, including Vogtle. [Bellefonte was previously identified as the "Reference" COL for AP1000 new reactor applicants. However, this has changed, and the Vogtle applicant, Southern Nuclear Company, is now identified as the "Reference" COL applicant.]

On April 12, 2010, Westinghouse responded to NRC-issued RAI-SRP2.2-RSAC-01 to address additional information needs associated with the concerns about chemical explosions and releases. Westinghouse advised NRC about the calculations supporting the RAI response, leading NRC to schedule the audit on April 13 and 14, 2010.

On April 15, 2010, representatives of Southern Nuclear (Vogtle), NuStart (all AP1000 COL applicants), and Westinghouse met with NRC in a public meeting to discuss the Westinghouse RAI response and the results of the April 13-14 audit.

On May 28, 2010, Westinghouse updated its response to NRC RAI-SRP2.2-RSAC-01. The response indicated that calculations supporting the updated response would be available for NRC review during the week of June 7 at the Westinghouse Twinbrook office.

On June 2, NRC staff discussed in a telephone conference how the Westinghouse calculations would need to be adopted by Vogtle.

REGULATORY AUDIT BASES

Section 6.4 of COL FSAR, SRP 6.4, and Reg. Guide 1.78

REGULATORY AUDIT SCOPE

The staff intends to review the accuracy and completeness of calculations that support Section 6.4 of the Vogtle COL FSAR.

INFORMATION REQUIRED

The following document is required for this audit:

- APP-VES-M3C-006, Revision 1, "Main Control Room Emergency Habitability from Toxic Chemical Effects"

MEMBERS

- Shie-Jeng Peng, NRO/DSRA/SPCV, Technical Reviewer for Control Room Habitability
- Donald Habib, NRO/DNRL/NWE1, Project Manager

LOGISTICS

The audit will take place at the Westinghouse Twinbrook Office during the week of June 7-11, 2010. The staff may return to the Twinbrook office anytime if any further examination of the above listed document revision is available.

DELIVERABLE

A regulatory audit summary will be issued subsequent to the audit. The summary will be placed on the docket and in ADAMS within 90 days of the completion of the audit.