

PMLevyCOLPEm Resource

From: Habib, Donald
Sent: Wednesday, January 20, 2016 1:42 PM
To: Bob Kitchen (Robert.Kitchen@duke-energy.com)
Subject: Take-Away for Levy Control Room Dose Audit

Bob –

Below is a summary of the key topics the staff expects to be included in a supplemental submittal, based on the staff's understanding from the MCR dose audit.

Please let me know if you have any questions.

Don Habib
Levy COL Review, Lead Project Manager
NRO/DNRL, Licensing Branch 4
301-415-1035

- Information describing informal quantitative calculations or assessments, and results to determine how and whether certain penetrations contribute to the direct dose such that it is acceptable not to model them or count their dose in the Westinghouse modelling analysis:
 - Sanitary waste drains, floor drains, and their embedded drain lines
 - Penetrations on western side of the south wall near the vestibule
- Generalized treatment of penetrations with respect to radiation streaming, including identifying all penetrations into Zone VII or higher radiation fields and any penetrations not included in documentation already provided to the staff.
- Semi-quantitative discussion of simplifying modeling assumptions if able (e.g., comparison of dose with and without liner plates in dose model). If these quantitative assessments would result in a non-conservative change in dose rates, then provide a Qualitative discussion of conservatisms that would balance against not using the minimum concrete thickness in the dose analysis or other uncertainties or non-conservatism.
- Discussion of conservatisms that would balance against non-conservatism and uncertainties in the overall MCR dose analysis.

Hearing Identifier: Levy_County_COL_Public
Email Number: 1314

Mail Envelope Properties (c68e507c2f864fc5bf4d2e7d46cfdbf6)

Subject: Take-Away for Levy Control Room Dose Audit
Sent Date: 1/20/2016 1:41:51 PM
Received Date: 1/20/2016 1:41:51 PM
From: Habib, Donald

Created By: Donald.Habib@nrc.gov

Recipients:
"Bob Kitchen (Robert.Kitchen@duke-energy.com)" <Robert.Kitchen@duke-energy.com>
Tracking Status: None

Post Office: HQPWMSMRS06.nrc.gov

Files	Size	Date & Time
MESSAGE	1628	1/20/2016 1:41:51 PM

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