

NRR-PMDAPEm Resource

From: Hall, Victor
Sent: Monday, March 16, 2015 4:28 PM
To: david.distel@exeloncorp.com
Cc: Whaley, Sheena; Purnell, Blake
Subject: Request for Additional Information: Clinton Flooding Hazard Reevaluation Report (TAC No. MF3654)
Attachments: Clinton RAI Rev1.docx

Mr. Distel,

By letter dated March 12, 2014, Exelon Generation Company LLC (the licensee) submitted its flood hazard reevaluation report (FHRR) for Clinton Power Station, Unit No. 1 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14079A419). By e mail dated June 18, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff provided a Request for Additional Information (RAI) regarding the above referenced FHRR (ADAMS Accession No. ML14169A545). The licensee responded to this RAI by letter dated November 3, 2014 (RS-14-312).

The staff determined that the attached RAI is necessary to complete its assessment of the licensee's FHRR. Please contact me if you would like clarification on the attached RAI. If no clarification is necessary, the NRC requests that Exelon provide a response, or a schedule to provide a response, within 30 days of this e-mail. The NRC staff has determined that no security-related or proprietary information is contained herein.

Thank you,
-Vic

Victor Hall
Senior Project Manager
Japan Lessons Learned Division
Office of Nuclear Reactor Regulation
301-415-2915

Hearing Identifier: NRR_PMDA
Email Number: 1968

Mail Envelope Properties (Victor.Hall@nrc.gov20150316162700)

Subject: Request for Additional Information: Clinton Flooding Hazard Reevaluation Report
(TAC No. MF3654)
Sent Date: 3/16/2015 4:27:52 PM
Received Date: 3/16/2015 4:27:00 PM
From: Hall, Victor

Created By: Victor.Hall@nrc.gov

Recipients:
"Whaley, Sheena" <Sheena.Whaley@nrc.gov>
Tracking Status: None
"Purnell, Blake" <Blake.Purnell@nrc.gov>
Tracking Status: None
"david.distel@exeloncorp.com" <david.distel@exeloncorp.com>
Tracking Status: None

Post Office:

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MESSAGE	1177	3/16/2015 4:27:00 PM
Clinton RAI Rev1.docx	27920	

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

Request for Additional Information
Fukushima Lessons Learned Flood Hazard Reevaluation Report
Clinton Power Station, Unit No. 1 (TAC No. MF3654)

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RAI: Local Intense Precipitation (LIP) Event Duration and Distribution

The FHRR presents a LIP flood reevaluation for a 1-hour, front-loaded probable maximum precipitation (PMP) event using Hydrometeorological Report Nos. 51 and 52. Provide justification that the LIP analysis presented in the FHRR is bounding in terms of warning time, flood depth, and flood duration. This justification can include sensitivity analysis of LIP event duration to consider localized (one square mile) PMP events up to 72 hours in duration (e.g., 1-, 6-, 12-, 24-, 48-, 72-hour PMPs) and various rainfall distributions (e.g., center-loaded and others in addition to a front-loaded distribution). The evaluations could identify potentially bounding scenarios with respect to flood height, event duration, and associated effects. Provide electronic versions of any associated modeling input and output files for the sensitivity runs.