



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 17, 2014

Mr. Michael J. Pacilio
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2, AND 3 - RELAXATION OF RESPONSE DUE DATES REGARDING FLOODING HAZARD REEVALUATIONS FOR RECOMMENDATION 2.1 OF THE NEAR-TERM TASK FORCE REVIEW OF THE INSIGHTS FROM THE FUKUSHIMA DAI-ICHI ACCIDENT (TAC NOS. MF3671 AND MF3672)

Dear Mr. Pacilio:

By letter dated March 12, 2012,¹ the Nuclear Regulatory Commission (NRC) issued a request for information under Title 10 of the *Code of Federal Regulations*, Section 50.54(f) (henceforth referred to as the 50.54(f) letter). The agency issued the request as a part of implementing lessons-learned from the accident at the Fukushima Dai-ichi nuclear power plant. Enclosure 2 to the 50.54(f) letter requested licensees to perform a reevaluation of all external flooding hazards using present-day guidance and methodologies.

By letter dated May 11, 2012,² the NRC issued a prioritization of due dates for all sites. For Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3 the NRC set the flooding hazard reevaluation report (FHRR) due date for March 12, 2014.

By letter dated March 12, 2014,³ Exelon Generation Company, LLC (Exelon) requested a 1-year extension to the submittal schedule for the FHRR for PBAPS, Units 2 and 3 with a new due date of March 12, 2015. As justification for the request, Exelon stated that it would require additional time to develop a detailed hydrologic model of the Susquehanna River watershed. In its letter, Exelon described a number of additional factors to justify the new schedule.

During a public meeting between the NRC staff and Exelon held on May 13, 2014,⁴ the NRC staff and Exelon discussed the PBAPS, Units 2 and 3 extension request.

¹ The 50.54(f) letter is available in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML12053A340.

² The prioritization letter is available under ADAMS Accession No. ML12097A509.

³ The extension request from Exelon is available under ADAMS Accession No. ML14071A278.

⁴ A summary of the public meeting is available under ADAMS Accession No. ML14134A330.

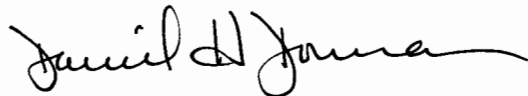
The NRC staff reviewed Exelon's justification and considered the following factors when reviewing the new schedule:

- The licensee stated during the public meeting held on May 14, 2014, that the flooding hazard reevaluation (FHR) completed to date did not identify the need for any interim actions;
- The record flood of 1972 resulted in a flood level of 113.5 feet absent wave runup. The current licensing basis (CLB) for PBAPS is a postulated flood level of 132 feet and structures required for safe shutdown are protected to 135 feet;
- Exelon is developing a detailed hydrometeorological study that will produce new extreme rainfall and snowmelt parameters specific to the Susquehanna River watershed. Exelon explained during the public meeting that this study is being done for the Federal Energy Regulatory Commission and that the study will be integrated into the PBAPS FHR; and
- The limited duration of the proposed extension (1 year) and the facts that: 1) PBAPS has margin between the worst recorded flood level and its CLB flood level and the protection level for any safety related equipment, and 2) the analysis completed to date has not identified the need for any interim action supports the proposed extension.

Given these considerations, the NRC considers Exelon's proposed revised schedule to be acceptable. Accordingly, and based upon the authority granted to the Director of the NRC's Office of Nuclear Reactor Regulation, the required response date for submitting the FHRR for PBAPS is now March 12, 2015.

If you have any questions regarding this matter, or if it is necessary to revise the submittal schedule, please contact your NRC project manager, Rick Ennis, at (301) 415-1420 or by e-mail at Rick.Ennis@nrc.gov.

Sincerely,



Daniel H. Dorman, Acting Director
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

cc: Listserv

The NRC staff reviewed Exelon’s justification and considered the following factors when reviewing the new schedule:

- The licensee stated during the public meeting held on May 14, 2014, that the flooding hazard reevaluation (FHR) completed to date did not identify the need for any interim actions;
- The record flood of 1972 resulted in a flood level of 113.5 feet absent wave runup. The current licensing basis (CLB) for PBAPS is a postulated flood level of 132 feet and structures required for safe shutdown are protected to 135 feet;
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If you have any questions regarding this matter, or if it is necessary to revise the submittal schedule, please contact your NRC project manager, Rick Ennis, at (301) 415-1420 or by e-mail at Rick.Ennis@nrc.gov.

Sincerely,

/RA/

Daniel H. Dorman, Acting Director
Office of Nuclear Reactor Regulation

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*via email **Previously concurred

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