



Exelon Generation®

RS-17-056

10 CFR 50.54(f)

May 11, 2017

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Nine Mile Point Nuclear Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-63 and NPF-69
NRC Docket Nos. 50-220 and 50-410

Subject: Supplemental Response to Request for Additional Information – Mitigating Strategies
Flood Hazard Assessment (MSFHA)

References:

1. Exelon Generation Company, LLC Letter to USNRC, Mitigating Strategies Flood Hazard Assessment (MSFHA) Submittal, dated December 14, 2016 (RS-16-184)
2. NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident, dated March 12, 2012
3. NRC Email (J. Uribe to D. Distel), Nine Mile Point Station Flooding MSA Information Needs Request, dated April 18, 2017

In Reference 1, Exelon Generation Company, LLC (EGC) provided the Mitigating Strategies Assessments for Flooding for the Nine Mile Point Nuclear Station, Units 1 and 2 in response to the March 12, 2012 Request for Information Enclosure 2, Recommendation 2.1, Flooding, Required Response 2, (Reference 2).

The purpose of this letter is to provide supplemental information in response to the NRC Information Needs request (Reference 3). Enclosure 1 to this letter provides the Nine Mile Point Nuclear Station, Units 1 and 2 responses to the information request, and identifies the specific folder location on Enclosure 2 containing the requested information. Enclosure 2 to this letter provides the Nine Mile Point Nuclear Station, Units 1 and 2 electronic information files for the Local Intense Precipitation analysis requested by Reference 3.

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact David J. Distel at (610) 765-5517.

ADID
NRR

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 11th day of May 2017.

Respectfully submitted,



James Barstow
Director - Licensing & Regulatory Affairs
Exelon Generation Company, LLC

Enclosures:

1. Nine Mile Point Nuclear Station, Units 1 and 2 Response to NRC Request for Additional Information Regarding Mitigating Strategies Flood Hazard Assessment
2. DVD with Electronic Information, Nine Mile Point Nuclear Station, Units 1 and 2, Local Intense Precipitation Flood Hazard Analysis NRC Information Needs

Document Components:

- NMP_FLO-2D_Elevated_Buildings-1hr
- NMP_FLO-2D_Elevated_Buildings-6hr
- NMP_FLO-2D_Elevated_Buildings-12hr
- NMP_FLO-2D_Elevated_Buildings-24hr
- NMP_FLO-2D_Elevated_Buildings-48hr
- NMP_FLO-2D_Elevated_Buildings-72hr

cc: Director, Office of Nuclear Reactor Regulation (w/o Enclosure 2)
NRC Regional Administrator - Region I (w/o Enclosure 2)
NRC Senior Resident Inspector – Nine Mile Point Nuclear Station (with Enclosures)
NRC Project Manager, NRR – Nine Mile Point Nuclear Station (w/o Enclosure 2)
Ms. Tekia Govan, NRR/JLD/JHMB, NRC (with Enclosures)

Enclosure 1

Nine Mile Point Nuclear Station, Units 1 and 2

**Response to NRC Request for Additional Information Regarding Mitigating
Strategies Flood Hazard Assessment**

(1 page)

Information Need #1: Local Intense Precipitation

Background:

The staff noted in its review of the Nine Mile Point, Units 1 and 2 Mitigating Strategies Assessment (MSA) that the licensee conducted a sensitivity analysis to determine the effects of altering building roof runoff to LIP water surface elevations. In its MSA the licensee referenced additional LIP analysis to support its findings.

Request:

The staff requests the following files as part of the audit:

1. Areva letter, Transmittal of Nine Mile Point (NMP) Flood Hazard Re-Evaluation Data 10-23-14 Memo for Additional LIP analysis using FLO-2D Pro Build No. 14.03.07, dated October 3, 2016.
 - This document may be placed in the Electronic Reading Room (ERR).

Response:

The requested documents have been placed in the Exelon Fukushima eportal in the following folder location: Nine Mile Point Fukushima / Recommendation 2.1 Flooding / Nine Mile Point Flood Hazard MSA Information Needs. The documents included two files:

- AREVA-16-03093 Nine Mile Final LIP Memo.pdf
 - Flo2d_Pro_LIP_Various_Durations_MEMORANDUM_10-23-2014.pdf
2. Input/Output Files and calculation package for hydrological modeling completed in support of the LIP analysis in the MSA Report.
 - The Input/Output files may be submitted in electronic form via DVD or hard drive to facilitate their review.

Response:

Input/Output FLO-2D files for the Nine Mile Point Local Intense Precipitation (LIP) modeling completed in support of the MSA Report are provided on a DVD in Enclosure 2. Note that a calculation package was not prepared for the Additional LIP Analysis. The October 2014 memorandum providing details of the roof-runoff sensitivity analysis and associated October 2016 transmittal letter were prepared to document the analysis and placed in the Exelon eportal.

Enclosure 2

DVD with Electronic Information

Nine Mile Point Nuclear Station, Units 1 and 2

Local Intense Precipitation Flood Hazard Analysis NRC Information Needs