



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

February 21, 2018

Mr. Mark E. Reddemann
Chief Executive Officer
Energy Northwest
MD 1023
76 North Power Plant Loop
P.O. Box 968
Richland, WA 99352

SUBJECT: COLUMBIA GENERATING STATION – STAFF ASSESSMENT OF RESPONSE
TO 10 CFR 50.54(f) INFORMATION REQUEST – FLOOD-CAUSING
MECHANISM REEVALUATION (CAC NO. MF8455; EPID NO.
000495/05000397/L-2016-JLD-0010)

Dear Mr. Reddemann:

By letter dated March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued a request for information under Title 10 of the *Code of Federal Regulations*, Section 50.54(f) (hereafter referred to as the 50.54(f) letter). The request was issued as 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 that licensees reevaluate flood-causing mechanisms using present-day methodologies and guidance. By letter dated October 6, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16286A309), Energy Northwest (the licensee) responded to this request for Columbia Generating Station (Columbia).

By letter dated December 7, 2016 (ADAMS Accession No. ML16337A111), the NRC staff sent the licensee a summary of the staff's review of Columbia's reevaluated flood-causing mechanisms. The enclosed staff assessment provides the documentation supporting the NRC staff's conclusions summarized in the letter. As stated in the letter, the reevaluated flood hazard results for the local intense precipitation (LIP) and streams and rivers flood-causing mechanisms were not bounded by the current design basis. In order to complete its response to Enclosure 2 to the 50.54(f) letter, the licensee is expected to submit a focused evaluation for LIP and streams and rivers to address these reevaluated flood hazards, as discussed in COMSECY-15-0019, "Closure Plan for the Reevaluation of Flooding Hazard for Operating Nuclear Power Plants," and Japan Lessons-Learned Division (JLD) Interim Staff Guidance (ISG) JLD-ISG-2016-01, "Guidance for Activities Related to Near-Term Task Force Recommendation 2.1, Flooding Hazard Reevaluation; Focused Evaluation and Integrated Assessment." This letter closes out the NRC's efforts associated with CAC No. MF8455.

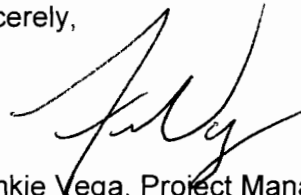
The Enclosure transmitted herewith contains Security-Related Information. When separated from the Enclosure, this document is decontrolled.

M. Reddemann

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If you have any questions, please contact me at (301) 415-1617 or by e-mail at Frankie.Vega@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Frankie Vega', with a stylized flourish at the end.

Frankie Vega, Project Manager
Beyond-Design-Basis Management Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosure:
Staff Assessment of Flood Hazard
Reevaluation Report for Columbia
(non-public, Security Related)

cc w/o encl: Distribution via Listserv

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COLUMBIA GENERATING STATION – STAFF ASSESSMENT OF RESPONSE TO 10 CFR
50.54(f) INFORMATION REQUEST – FLOOD-CAUSING MECHANISM REEVALUATION
DATED FEBRUARY 21, 2018

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ADAMS Accession Nos. Pkg ML18051A332; ML18051A359 (Non-Public;Encl)

ML18051A401 (Public Letter)

***by input dated**

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