



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

August 8, 2016

Mr. Mark E. Reddemann
Chief Executive Officer
Energy Northwest
P.O. Box 968 (Mail Drop 1023)
Richland, WA 99352-0968

SUBJECT: COLUMBIA GENERATING STATION – SUPPLEMENTAL INFORMATION
NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION RE:
MEASUREMENT UNCERTAINTY RECAPTURE POWER UPRATE
AMENDMENT (CAC NO. MF8060)

Dear Mr. Reddemann:

By letter dated June 28, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16183A365), Energy Northwest submitted a license amendment request for Columbia Generating Station. The proposed amendment would revise the operating license and the technical specifications to implement an increase in rated thermal power from the current licensed thermal power of 3486 megawatts thermal (MWt) to 3544 MWt. The purpose of this letter is to provide the current results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that the information delineated in the enclosure to this letter is necessary to enable the staff to make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

In order to make the application complete, the NRC staff requests that Energy Northwest supplement the application to address the information requested in the enclosure by August 18, 2016. This will enable the NRC staff to continue its detailed technical review. If the information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is subsequently accepted for review, you will be advised of any further information needed to support the staff's detailed technical review by separate correspondence.

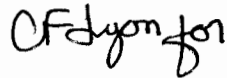
M. Reddemann

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The information requested and associated time frame in this letter were discussed with Ms. Lisa Williams of your staff on August 5, 2016.

If you have any questions, please contact me at (301) 415-5136.

Sincerely,

A handwritten signature in black ink, appearing to read "John Klos". The signature is written in a cursive style with a large initial "J" and "K".

John Klos, Project Manager
Plant Licensing Branch IV-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosure:
Supplemental Information Needed

cc w/encl: Distribution via Listserv

SUPPLEMENTAL INFORMATION NEEDED
FOR ACCEPTANCE OF REQUESTED LICENSING ACTION
MEASUREMENT UNCERTAINTY RECAPTURE POWER UPRATE
ENERGY NORTHWEST
COLUMBIA GENERATING STATION
DOCKET NO. 50-397

1. Emergency Diesel Generators

The U.S. Nuclear Regulatory Commission (NRC) staff reviewed the Columbia Generating Station measurement uncertainty recapture power uprate license amendment request (LAR) dated June 28, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16183A365), Section 3.4.5, "Grid Stability Studies," and LAR Enclosure 9,⁽¹⁾ NEDO-33853, Revision 0, "Safety Analysis Report for Columbia Generating Station, Thermal Power Optimization," June 2016, Section 6.1, "AC [Alternating Current] Power, and Section 6.1.2, "On-Site Power," and found there is no documentation on emergency diesel generator loading impact due to the power uprate (i.e., the impact of the increased thermal power from 3486 MWt to 3544 MWt on emergency diesel generator loads). Additionally, there is no documentation discussing the LAR's impacts and assessment against battery chargers.

2. AC Power Off-Site and Switchyard Equipment

The NRC staff reviewed LAR Enclosure 9,⁽¹⁾ NEDO-33853, Revision 0, Section 6.1, "AC Power," and Section 6.1.1, "Off-Site Power," and found a lack of information regarding the power uprate's impact on electrical equipment ratings in switchyard. Specifically, the LAR does not discuss what switchyard equipment was reviewed for impacts, how an assessment was made against this equipment (by what analyses or standard), nor does the LAR state a cumulative summary of the impact made, if any, of the power uprate against the switchyard and its equipment.

3. DC Power

The NRC staff reviewed LAR Enclosure 9,⁽¹⁾ NEDO-33853, Revision 0, Section 6.2, "DC [Direct Current] Power," and found a lack of information regarding the power uprate's impact on Class 1E 125 Volt DC electrical loading. The LAR does not also state if a review of the leading edge flow meter's electrical distribution loading was complete and did not provide a summary of those results.

¹ Enclosure 7 is the proprietary version designated as NEDC-33853, Revision 0, "Safety Analysis Report for Columbia Generating Station, Thermal Power Optimization," June 2016.

M. Reddemann

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The information requested and associated time frame in this letter were discussed with Ms. Lisa Williams of your staff on August 5, 2016.

If you have any questions, please contact me at (301) 415-5136.

Sincerely,

/RA/ C. Fred Lyon for

John Klos, Project Manager
Plant Licensing Branch IV-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosure:
Supplemental Information Needed

cc w/encl: Distribution via Listserv

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ADAMS Accession No. ML16218A390

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NAME	JKlos (BSingal for)	JBurkhardt	JZimmerman	RPascarelli (BSingal for)	JKlos (CFLyon for)
DATE	08/08/16	08/05/16	08/08/16	08/08/16	08/08/16

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