

July 17, 2001  
GO2-01-104

Docket No. 50-397

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Gentlemen:

Subject: **COLUMBIA GENERATING STATION, OPERATING LICENSE NPF-21  
COMPLETION OF GENERIC LETTER 94-02 ACTIONS**

- References:
- 1) Generic Letter 94-02, "Long Term Solutions and Upgrade of Interim Operating Recommendations for Thermal-Hydraulic Instabilities in Boiling Water Reactors"
  - 2) Letter dated April 5, 2001, JS Cushing (NRC) to JV Parrish (Energy Northwest), "Columbia Generating Station - Issuance of Amendment Re: Oscillation Power Range Monitoring Technical Specifications"

The purpose of this letter is to provide notification that the long-term actions associated with Generic Letter 94-02 have been completed for Columbia Generating Station. This notification is being made pursuant to a reporting requirement of Reference 1 which states, "If the licensee plans to take an action requested, or a substitute action, within thirty (30) days of the completion of the action, inform the NRC in writing and under oath or affirmation, of the action taken and verify its completion or implementation."

We have installed the Option III long-term reactor stability solution at Columbia Generating Station. The Oscillation Power Range Monitor (OPRM) system is designed to initiate a reactor scram by means of the existing reactor protection system trip logic upon detection of conditions consistent with the onset of local oscillations in core power and the approach to conditions required for sustained oscillations and a thermal-hydraulic instability event. This capability will assure protection of the minimum critical power ratio safety limit under anticipated core-wide and regional thermal-hydraulic instability events.

This represents the last of our commitments in the resolution of long-standing industry issues associated with thermal-hydraulic phenomena in BWRs, by providing Technical Specifications associated with the OPRM and the associated implementation of a design change which provided for installation and activation of the system at Columbia Generating Station.

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Page 2 of 2

The OPRM system was installed at Columbia Generating Station during spring 1999 and was operated in the "monitor only" mode to evaluate system performance until the trip function was recently enabled.

The associated Technical Specification changes for enabling the OPRM system were approved by the NRC on April 5, 2001, as Amendment No. 171 to the Columbia Generating Station Operating License (Reference 2). The OPRM system was enabled during the R-15 maintenance and refueling outage, which ended on July 2, 2001. The system is in service and the stability monitoring Technical Specifications have been implemented.

Based upon installation and activation of the OPRM system, we consider that commitments made in response to Generic Letter 94-02 have been fulfilled for Columbia Generating Station. Should you have any questions or desire additional information regarding this letter, please call RN Sherman at (509) 377-8616.

Respectfully,



DW Coleman, Manager  
Performance Assessment and Regulatory Programs  
Mail Drop PE20

cc: EW Merschoff - NRC RIV  
JS Cushing - NRC NRR  
NRC Sr. Resident Inspector - 988C

DL Williams - BPA/1399  
TC Poindexter - Winston & Strawn

STATE OF WASHINGTON )  
 )  
COUNTY OF BENTON )

Subject: Completion of Generic Letter  
94-02 Actions

I, D. W. Coleman, being duly sworn, subscribe to and say that I am the Manager, Performance Assessment and Regulatory Programs for ENERGY NORTHWEST, the applicant herein; that I have the full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information, and belief the statements made in it are true.

DATE July 17, 2001

D. W. Coleman

D. W. Coleman, Manager  
Performance Assessment and Regulatory Programs

On this date personally appeared before me D.W. Coleman, to me known to be the individual who executed the foregoing instrument, and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

GIVEN under my hand and seal this 17<sup>th</sup> day of July, 2001



Lori A. Walli

Notary Public in and for the  
STATE OF WASHINGTON

Residing at Richland, WA.

My Commission Expires 3-29-05