

January 16, 2002

LICENSEE: Energy Northwest

FACILITY: Columbia Generating Station

SUBJECT: SUMMARY OF MEETING WITH ENERGY NORTHWEST ON  
DECEMBER 17, 2001, TO DISCUSS THE ALTERNATE SOURCE TERM  
LICENSE AMENDMENT REQUEST FOR THE COLUMBIA GENERATING  
STATION (TAC NO. MB3574)

On December 17, 2001, a public meeting was held at the NRC Headquarters office in Rockville, Maryland, between Energy Northwest and the NRC staff. The list of attendees is enclosed. The purpose of the meeting was to brief the staff on the alternate source term (AST) license amendment request for the Columbia Generating Station. The slides are available in ADAMS under accession number ML013540048.

Energy Northwest submitted a license amendment request on December 3, 2001, to use an AST for the Columbia Generating Station. Energy Northwest stated that the use of an AST justifies the following changes to the technical specifications (TS) surveillance requirements (SR).

- SR 3.6.1.3.10 - Increase secondary containment bypass leakage from .74 standard cubic feet per hour to .04 percent per day.
- TS 3.6.1.8 - Delete the main steam line leakage control system.
- TS 3.6.4.1 - Delete secondary containment applicability during movement of irradiated fuel and core alterations.
- SR 3.6.4.1.1 - Change the requirement to verify secondary containment vacuum.
- SR 3.6.4.1.4 - Delete secondary containment drawdown time surveillance.
- SR3.6.4.1.5 - Specify that each standby gas treatment subsystem maintain secondary containment vacuum greater than or equal to .25 inches of vacuum water gauge with an in-leakage flow rate of 2240 cubic feet per minute (CFM).
- TS 3.6.4.2 - Delete secondary containment isolation valve applicability during movement of irradiated fuel and core alterations.
- TS 3.6.4.3 - Delete standby gas treatment system applicability during the movement of irradiated fuel and core alterations.
- SR 3.6.4.3 - Add the requirement that the standby gas treatment system reaches greater than or equal to 5000 CFM in less than or equal to 2 minutes.
- TS 5.5.7 - Increase standby gas treatment flow rates.

Energy Northwest then discussed their simplified approach. All the accident analyses except the main steam line break (MSLB) conform to Regulatory Guide (RG) 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors." To assess effluent dispersion in the atmosphere, the MSLB accident analysis uses a buoyant steam bubble model not addressed by RG 1.183. The submittal did not use suppression pool scrubbing, aerosol impaction, enhanced drywell spray credit, enhanced steam line deposition credit, MAAP code containment thermal-hydraulic analysis or reduced iodine release.

The control room dose was calculated using the unfiltered in-leakage based on measured values from a tracer gas test performed at the Columbia Generating Station.

The staff said that it would be helpful to have the following information:

- meteorological data used to develop the atmospheric dispersion factors;
- additional information to support the buoyant steam bubble model; and
- calculation used for pH control in the suppression pool.

Energy Northwest said that they would submit the information.

The staff said that they would issue requests for additional information by March 2002, with an expected response of 30-60 days depending on the complexity of the questions. Energy Northwest stated that there is a great deal of work to be done after the amendment is approved to fully implement the change. The staff said that the amendment would be effective the date of issuance but the implementation period would be sufficient for Energy Northwest to make the changes.

*/RA/*

Jack Cushing, Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosure: List of Meeting Attendees

cc w/encl: See next page

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**ADAMS ACCESSION NO.: ML020170490**

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LIST OF MEETING ATTENDEES  
ALTERNATE SOURCE TERM MEETING  
DECEMBER 17, 2001

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DECEMBER 17, 2001

Dated: January 16, 2002

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