



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

September 14, 2011

LICENSEE: Energy Northwest

FACILITY: Columbia Generating Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
AUGUST 25, 2011, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND ENERGY NORTHWEST CONCERNING DRAFT
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
SEVERE ACCIDENT MITIGATION ALTERNATIVES REVIEW OF THE
COLUMBIA GENERATING STATION LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Energy Northwest (the applicant) held a telephone conference call on August 25, 2011, to discuss draft requests for additional information concerning the Severe Accident Mitigation Alternatives review of the Columbia Generating Station license renewal application.

Enclosure 1 provides a list of the participants and Enclosure 2 contains a list of the draft requests for additional information including a brief description of the status of the items.

The applicant had an opportunity to comment on this summary.

A handwritten signature in cursive script, reading "Daniel I. Doyle", is positioned above the typed name.

Daniel I. Doyle, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosures:

1. List of Participants
2. List of Draft Requests for Additional Information

cc w/encls: Listserv

LIST OF PARTICIPANTS
COLUMBIA GENERATING STATION
LICENSE RENEWAL APPLICATION
SEVERE ACCIDENT MITIGATION ALTERNATIVES REVIEW
TELEPHONE CONFERENCE CALL

AUGUST 25, 2011

<u>PARTICIPANTS</u>	<u>AFFILIATIONS</u>
Daniel Doyle	U.S. Nuclear Regulatory Commission (NRC)
Arthur Cunanan	NRC
Ray Gallucci	NRC
William Holston	NRC
Maxwell Smith	NRC
David Wrona	NRC
Abbas A. Mostala	Energy Northwest (EN)
Albert T. Chiang	EN
Marsha Eades	EN
Jerral E. "Dusty" Rhoads	EN
Blake Smith	EN
Jim Tansy	EN
John Twomey	EN

ENCLOSURE 1

REQUESTS FOR ADDITIONAL INFORMATION
COLUMBIA GENERATING STATION
LICENSE RENEWAL APPLICATION
SEVERE ACCIDENT MITIGATION ALTERNATIVES REVIEW

AUGUST 25, 2011

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of the applicant, Energy Northwest (EN), held a telephone conference call on August 25, 2011, to discuss and clarify the following draft requests for additional information (RAIs) concerning the Severe Accident Mitigation Alternatives (SAMA) review of the Columbia Generating Station (CGS) license renewal application.

Background:

In its letter dated January 28, 2011 (ADAMS Accession Number ML110330395), Energy Northwest identified SAMA candidate FL-06R as potentially cost-beneficial.

In the January 28 letter, there were several different descriptions of SAMA FL-06R:

- "Add additional NDE and inspections to increase probability of detecting degraded lines in raw water systems in the Control Building." (page 6 of 173)
- "Improve control building flooding scenarios." (page 19 of 173)
- "Perform additional NDE and inspections to the three lines identified in SAMA candidate FL-04R to verify that degradation is not occurring in these lines. The specific locations of the NDE would be selected from potentially susceptible areas using similar methods as used in the risk-informed in-service inspection program to detect wall thinning." (pages 119 and 120 of 173)
- "Perform additional NDE and inspections of the SW, TSW, and FP lines in the Control Building area of the Radwaste Building." (page 167 of 173)

Issue:

Based on the descriptions of SAMA FL-06R, it appears to relate to managing the effects of aging.

Potentially cost-beneficial SAMAs that relate to adequately managing the effects of aging may be mandated by the NRC as part of license renewal pursuant to 10 CFR Part 54.

ENCLOSURE 2

Draft Requests for Additional Information:

Draft RAI 1:

Provide a determination as to whether the affected structures, systems, or components (SSCs) identified in the SAMA candidate are within the scope of the license renewal safety review under 10 CFR Part 54. If they are within the scope of license renewal, explain how the NDE and inspections proposed in SAMA FL-06R differ from the aging management programs proposed for the same SSCs in the safety portion of the license renewal application (e.g., SW and FP systems).

Draft RAI 2:

The SAMAs listed below were identified as potentially cost-beneficial in the January 28 letter. Energy Northwest stated that all these SAMA candidates will be considered for implementation through the normal processes for evaluating possible plant changes at Columbia Generating Station as described in response to RAI 6.j-1iv. Provide a determination and rationale as to whether each potentially cost-beneficial SAMA relates to managing the effects of aging.

SAMA ID	SAMA Description
AC/DC-28	Reduce common cause failures between EDG-3 and EDG-1/2
CC-03b	Raise reactor core isolation cooling system backpressure trip setpoints
FR-07a	Improve the fire resistance of critical cables for containment venting
FR-07b	Improve the fire resistance of critical cables for transformer E-TR-6
FR-08	Improve the fire resistance of cables to residual heat removal and standby SW
HV-02	Provide a redundant train or means of ventilation
SR-05R	Improve seismic ruggedness of MCC-7F and MCC-8F
FL-05R	Clamp on flow instruments to certain drain lines in the control building of the radwaste building and alarm in the control room
FL-04R	Add one isolation valve in the SW, turbine SW, and fire protection lines in the control building area of the radwaste building
FL-06R	Additional non-destructive evaluation and inspections to increase probability of detecting degraded lines in raw water systems in the Control Building
CC-24R	Backfeed the HPCS system with emergency bus SM-8 to provide a third power source for HPCS
CC-25R	Enhance alternate injection reliability by including residual heat removal service water and fire water crosstie in maintenance program
OT-07R	Increase operator training on systems and operator actions determined to be important from the PSA
FW-05R	Examine the potential for operators to control reactor feedwater and avoid a reactor trip
OT-09R	For the non-LOCA initiating events, credit the Z (power conversion system recovery) function
FR-11R	Install early fire detection in the following analysis units: RC-02, RC-03, RC-04, RC-05, RC-07, RC-08, RC-11, RC-13, RC-14, and RC-1A

Discussion:

The applicant stated that it understood the draft RAIs. The applicant continued with a general discussion of the aging management review that covered the piping sections identified in SAMA candidate FL-06R and the relationship between the SAMA and the aging management program. The applicant also discussed the corrective action program and subsequent actions taken to address increased contribution to flooding from these lines.

The NRC stated that it would issue the RAI letter for formal response.

September 14, 2011

LICENSEE: Energy Northwest
FACILITY: Columbia Generating Station
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
AUGUST 25, 2011, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND ENERGY NORTHWEST CONCERNING DRAFT
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
SEVERE ACCIDENT MITIGATION ALTERNATIVES REVIEW OF THE
COLUMBIA GENERATING STATION LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Energy Northwest (the applicant) held a telephone conference call on August 25, 2011, to discuss draft requests for additional information concerning the Severe Accident Mitigation Alternatives review of the Columbia Generating Station license renewal application.

Enclosure 1 provides a list of the participants and Enclosure 2 contains a list of the draft requests for additional information including a brief description of the status of the items.

The applicant had an opportunity to comment on this summary.

/RA/

Daniel I. Doyle, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosures:

1. List of Participants
2. List of Draft Requests for Additional Information

cc w/encls: Listserv

DISTRIBUTION:

See next page

ADAMS Accession No.: ML11238A158

*concurred via email

OFFICE	LA:RPB2:DLR*	PM:RPB2:DLR	BC:RPB2:DLR	PM:RPB2:DLR
NAME	IKing	DDoyle	DWrona	DDoyle
DATE	9/1/11	9/13/11	9/14/11	9/14/11

OFFICIAL RECORD COPY

Memorandum to Energy Northwest from D. Doyle dated September 14, 2011

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
AUGUST 25, 2011, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND ENERGY NORTHWEST CONCERNING DRAFT
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
SEVERE ACCIDENT MITIGATION ALTERNATIVES REVIEW OF THE
COLUMBIA GENERATING STATION LICENSE RENEWAL APPLICATION

DISTRIBUTION:

HARD COPY:

DLR RF

E-MAIL:

PUBLIC

RidsNrrDlr Resource

RidsNrrDlrRpb1 Resource

RidsNrrDlrRpb2 Resource

RidsNrrDlrRarb Resource

RidsNrrDlrRapb Resource

RidsNrrDlrRasb Resource

RidsNrrDlrRerb Resource

RidsNrrDlrRpob Resource

ACunanan

DDoyle

MThadani

WWalker, RIV

JGroom, RIV

LSubin, OGC