ENERGY NORTHWEST

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January 28, 2011
GO2-11-027

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Subject: **COLUMBIA GENERATING STATION, DOCKET NO. 50-397
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
LICENSE RENEWAL APPLICATION**

References:
1) Letter, GO2-10-11, dated January 19, 2010, WS Oxenford (Energy Northwest) to NRC, "License Renewal Application"

2) Letter dated December 3, 2010, NRC to SK Gambhir (Energy Northwest), "Request for Additional Information for the Review of the Columbia Generating Station, License Renewal Application," (ADAMS Accession No. ML103260155)

3) Letter dated January 20, 2011, SK Gambhir (Energy Northwest) to NRC, "Columbia Generating Station, Docket No. 50-397 Response to Request for Additional Information License Renewal Application," (GO2-11-018)

4) Letter dated January 28, 2011, SK Gambhir (Energy Northwest) to NRC, "Columbia Generating Station, Docket No. 50-397 Response to Request for Additional Information License Renewal Application," (GO2-11-025)

Dear Sir or Madam:

By Reference 1, Energy Northwest requested the renewal of the Columbia Generating Station (Columbia) operating license. Via Reference 2, the Nuclear Regulatory Commission (NRC) requested additional information related to the Energy Northwest submittal. Via Reference 3, Energy Northwest responded to those requests and included a 23rd amendment to the License Renewal Application.

A143
NRR

In Reference 4, Energy Northwest supplied an additional amendment to the License Renewal Application which is labeled Amendment 21. This amendment contains revisions of pages also contained in Amendment 23 which were not accounted for by that amendment.

Transmitted herewith in the enclosure are the supplemental pages to Amendment 23, labeled Amendment 23 Rev. 1, which correct for changes made in Amendment 21, not accounted for in Amendment 23. Please replace pages 3.3-340, 3.3-340a and 3.3-340b in Amendment 23 with the pages included in Enclosure 1 of this letter.

If you have any questions or require additional information, please contact Abbas Mostala at (509) 377-4197.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the date of this letter.

Respectfully,

Jack T. Atkiler
for
SK Gambhir
Vice President, Engineering

Enclosure: License Renewal Application Amendment 23 Rev. 1

cc: NRC Region IV Administrator
NRC NRR Project Manager
NRC Senior Resident Inspector/988C
EFSEC Manager
RN Sherman – BPA/1399
WA Horin – Winston & Strawn
AD Cunanan - NRC NRR (w/a)
BE Holian - NRC NRR
RR Cowley – WDOH

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
LICENSE RENEWAL APPLICATION
Enclosure 1

License Renewal Application
Amendment 23 Revision 1

LRA Section Number	Page Number	RAI Number
Table 3.3.2-37 Insert Line Item	3.3-340	CFD AMR
Table 3.3.2-37 Remove Line Item	3.3-340a	CFD AMR
Table 3.3.2-37 Line Item 92	3.3-340b	CFD AMR

Table 3.3.2-37 Aging Management Review Results – Reactor Building HVAC Systems									
Row No.	**Component Type**	**Intended Function(s)**	**Material**	**Environment**	**Aging Effect Requiring Management**	**Aging Management Program**	**NUREG-1801 Volume 2 Item**	**Table 1 Item**	**Notes**
80	Valve Body	Structural integrity	Steel	Raw water (Internal)	Loss of material	Potable Water Monitoring	VII.C1-19	3.3.1-76	E
81	Valve Body	Structural integrity	Steel	Steam (Internal)	Loss of material	BWR Water Chemistry	N/A	N/A	G
82	Valve Body	Structural integrity	Steel	Steam (Internal)	Loss of material	Chemistry Program Effectiveness Inspection	N/A	N/A	G
83	Valve Body	Structural integrity	Steel	Steam (Internal)	Loss of material	Flow-Accelerated Corrosion (FAC)	N/A	N/A	G
84	Valve Body	Structural integrity	Steel	Air-indoor uncontrolled (External)	Loss of material	External Surfaces Monitoring	VII.I-8	3.3.1-58	A
85	Valve Body	Structural integrity	Steel	Condensation (External)	Loss of material	External Surfaces Monitoring	VII.I-11	3.3.1-58	A

Insert new rows 86 and 87 from Page 3.3-340a

Insert new rows 88 through 91 from Page 3.3-340b

Insert new row 92 from Page 3.3-340b

Table 3.3.2-37 Aging Management Review Results – Reactor Building HVAC Systems									
Row No.	**Component Type**	**Intended Function(s)**	**Material**	**Environment**	**Aging Effect Requiring Management**	**Aging Management Program**	**NUREG-1801 Volume 2 Item**	**Table 1 Item**	**Notes**
86	Heat Exchanger (fins) (RRA-CC-12, 13, 14, 15, 17, 19, & 20)	Heat transfer	Copper Alloy	Condensation (External)	Loss of material	Open-Cycle Cooling Water	VII.F2-14	3.3.1-25	E
87	Heat Exchanger (fins) (RRA-CC-12, 13, 14, 15, 17, 19, & 20)	Heat transfer	Copper Alloy	Condensation (External)	Reduction in heat transfer	Open-Cycle Cooling Water	N/A	N/A	H
~~88~~	~~Piping~~	~~Structural~~ Integrity	~~Steel~~	~~Steam~~ (Internal)	~~Cracking~~ Fatigue	~~TLAA~~	~~VIII.B2-5~~	~~3.4.1-1~~	~~A~~

Table 3.3.2-37 Aging Management Review Results – Reactor Building HVAC Systems									
Row No.	**Component Type**	**Intended Function(s)**	**Material**	**Environment**	**Aging Effect Requiring Management**	**Aging Management Program**	**NUREG-1801 Volume 2 Item**	**Table 1 Item**	**Notes**
88	Flexible Connection	Pressure boundary	Elastomer	Air-indoor uncontrolled (Internal)	Loss of material	Flexible Connection Inspection	VII.F4-5	3.3.1-34	E 0329
89	Flexible Connection	Pressure boundary	Elastomer	Air-indoor uncontrolled (External)	Loss of material	Flexible Connection Inspection	VII.F4-4	3.3.1-34	E 0329
90	Flexible Connection	Structural integrity	Elastomer	Air-indoor uncontrolled (Internal)	Loss of material	Flexible Connection Inspection	VII.F4-5	3.3.1-34	E 0329
91	Flexible Connection	Structural integrity	Elastomer	Air-indoor uncontrolled (External)	Loss of material	Flexible Connection Inspection	VII.F4-4	3.3.1-34	E 0329
92	Piping	Structural Integrity	Steel	Steam (Internal)	Cracking - Fatigue	TLAA	VIII.B2-5	3.4.1-1	A