



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

April 13, 2009

Mr. David A. Christian
President and Chief Nuclear Officer
Dominion Nuclear Connecticut, Inc.
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNIT NO. 2 – REVIEW OF STEAM
GENERATOR TUBE INSPECTION REPORT FOR 2008 REFUELING OUTAGE
(TAC NO. ME0094)

Dear Mr. Christian:

By letter dated October 24, 2008 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML083090396), Dominion Nuclear Connecticut, Inc., (DNC) submitted information summarizing the steam generator (SG) tube inspections performed at Millstone Power Station, Unit No. 2 (MPS2) during the 2008 refueling outage (2R18).

The Nuclear Regulatory Commission (NRC) staff has reviewed the information DNC provided and determined that additional information is required in order to complete the evaluation.

The draft questions were sent to Mr. Bill Bartron, of your staff, to ensure that the questions were understandable, the regulatory basis for the questions was clear, and to determine if the information was previously docketed. On March 30, 2009, Mr. Bartron agreed that you would provide a response by May 26, 2009.

If you have any questions regarding this matter, I may be reached at 301-415-1603.

Sincerely,

A handwritten signature in black ink, appearing to read "Carleen J. Sanders".

Carleen J. Sanders, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-336

Enclosure: Request for Additional Information

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REQUEST FOR ADDITIONAL INFORMATION

2008 STEAM GENERATOR TUBE INSPECTIONS

MILLSTONE POWER STATION UNIT 2

DOCKET NUMBER 50-336

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1. For each refueling outage and for each SG tube inspection since installation of the SGs, please provide the cumulative effective full-power months that the SGs have operated.
2. Eight tubes were plugged in SG 1. Please confirm that the following tubes were plugged in SG 1: (row 2, column 7 (R2C7), R3C8, R4C9, R5C10, R8C11, R76C141, R78C141). In addition, for SG 1, you indicated that by plugging one additional tube that three tubes box the loose part (presumably this is a tube near R76C141 and R78C141). Please discuss how plugging the third tube boxes in the loose part.
3. Two tubes were plugged in SG 2. Please confirm that the tube at R118C41 was plugged in SG 2. Please indicate which other tube was plugged since it was adjacent to tubes with wear from loose parts that could not be removed.
4. For SG 2, several tubes with induced indications are listed on page 7 of the October 24 letter. Please discuss the nature of these indications and discuss why they were not plugged. If they were attributed to loose parts, please discuss whether a part was found and removed from these locations. If no part was located at these locations, discuss your basis for concluding that they were a result of a loose part (e.g., visual inspection confirming a wear scar). Please discuss whether any loose parts (in either SG) were left in service. If any parts were left in service, please confirm that you performed an analysis confirming the acceptability of leaving these parts in steam generator(s).
5. Rotating probe inspections were performed on tubes that were observed with flex gasket material protruding from the tube ends. Please clarify the source of flex gasket material and confirm the material was located on the primary side of the tubes.

Enclosure

Please discuss whether this gasket material was removed. In addition, please discuss the results of these rotating probe examinations.

6. Please discuss the extent to which any tubes may be in close proximity to each other. Please discuss whether the number of tubes in close proximity has increased/decreased since the SGs were installed.
7. How many tubes were only partially expanded into the tubesheet, where are they located, and what is the extent of these "partial expansions?"
8. Please discuss the scope and results of any secondary side inspections.

April 13, 2009

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/ra/

Carleen J. Sanders, Project Manager
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*By Memo Dated

OFFICE	NRR/LPLI-2/PM	NRR/LPLI-2/LA	CSGB/BC	NRR/LPLI-2/BC
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DATE	4/13/09	4/13/09	02/23/2009*	4/13/09

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