

September 10, 2004

Mr. A. Christopher Bakken, III
President & Chief Nuclear Officer
PSEG Nuclear - X15
P.O. Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2, REQUEST FOR ADDITIONAL INFORMATION RE: BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS" (TAC NOS. MB9607 AND MB9608)

Dear Mr. Bakken:

By letter dated August 8, 2003, PSEG Nuclear, LLC (PSEG) provided their 60-day response to NRC Bulletin 2003-01 for the Salem Nuclear Generating Station, Unit 1 and 2. The Bulletin requested PSEG to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been or will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete.

The Nuclear Regulatory Commission (NRC) staff is reviewing your response and has determined that the information request in the attachment to this letter is necessary for completion of the NRC staff's review. The required information was discussed with Mr. Michael Mosier of your staff on September 3, 2004. The NRC staff requests that you provide responses to the enclosed questions within 45 days in order for the NRC to complete its review in a timely manner. If you have any questions, please contact me at (301) 415-1427.

Sincerely,

/RA/

Daniel S. Collins, Senior Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-272 and 50-311

Enclosure: As stated

cc w/encl: See next page

September 10, 2004

Mr. A. Christopher Bakken, III
President & Chief Nuclear Officer
PSEG Nuclear - X15
P.O. Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2, REQUEST FOR ADDITIONAL INFORMATION RE: BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS" (TAC NOS. MB9607 AND MB9608)

Dear Mr. Bakken:

By letter dated August 8, 2003, PSEG Nuclear, LLC (PSEG) provided their 60-day response to NRC Bulletin 2003-01 for the Salem Nuclear Generating Station, Unit 1 and 2. The Bulletin requested PSEG to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been or will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete.

The Nuclear Regulatory Commission (NRC) staff is reviewing your response and has determined that the information request in the attachment to this letter is necessary for completion of the NRC staff's review. The required information was discussed with Mr. Michael Mosier of your staff on September 3, 2004. The NRC staff requests that you provide responses to the enclosed questions within 45 days in order for the NRC to complete its review in a timely manner. If you have any questions, please contact me at (301) 415-1427.

Sincerely,

/RA/

Daniel S. Collins, Senior Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-272 and 50-311

Enclosure: As stated

cc w/encl: See next page

DISTRIBUTION

PUBLIC	JHannon	AWang	ECoby, RGN-I	DSolorio
ACRS	DCollins	RRodriguez	GMiller	MKowal
OGC	PDI-2 Reading	LWhitney		

ADAMS Accession Number: ML042540171

* Input Provided by Memorandum,
no major changes made

OFFICE	PDI-2/PE	PDI-2/PM	SPLB-BC	PDI-2/SC
NAME	GMiller	GWunder for DCollins	JHannon*	DCollins for JClifford
DATE	9/9/04	9/9/04	8/23/04	9/9/04

OFFICIAL RECORD COPY

Salem Nuclear Generating Station, Unit Nos. 1 and 2

cc:

Mr. Michael H. Brothers
Vice President - Site Operations
PSEG Nuclear - X15
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. John T. Carlin
Vice President - Nuclear Assessments
PSEG Nuclear - N10
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. David F. Garchow
Vice President - Eng/Tech Support
PSEG Nuclear - N28
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. Steven Mannon
Acting Manager - Licensing
PSEG Nuclear - N21
P.O. Box 236
Hancocks Bridge, NJ 08038

Jeffrie J. Keenan, Esquire
PSEG Nuclear - N21
P.O. Box 236
Hancocks Bridge, NJ 08038

Ms. R. A. Kankus
Joint Owner Affairs
PECO Energy Company
Nuclear Group Headquarters KSA1-E
200 Exelon Way
Kennett Square, PA 19348

Lower Alloways Creek Township
c/o Mary O. Henderson, Clerk
Municipal Building, P.O. Box 157
Hancocks Bridge, NJ 08038

Dr. Jill Lipoti, Asst. Director
Radiation Protection Programs
NJ Department of Environmental
Protection and Energy
CN 415
Trenton, NJ 08625-0415

Brian Beam
Board of Public Utilities
2 Gateway Center, Tenth Floor
Newark, NJ 07102

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Senior Resident Inspector
Salem Nuclear Generating Station
U.S. Nuclear Regulatory Commission
Drawer 0509
Hancocks Bridge, NJ 08038

Mr. Carl J. Fricker
Plant Manager
PSEG Nuclear - N21
P.O. Box 236
Hancocks Bridge, NJ 08038

REQUEST FOR ADDITIONAL INFORMATION

REGARDING PROPOSED ALTERNATIVE TO BULLETIN 2003-01

SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-272 AND 50-311

By letter dated August 8, 2003, PSEG Nuclear, LLC (PSEG) provided their 60-day response to NRC Bulletin 2003-01 for the Salem Nuclear Generating Station, Unit 1 and 2. The bulletin requested PSEG to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been or will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The Nuclear Regulatory Commission (NRC) staff has completed its preliminary review of your response and determined that responses to the following questions are necessary for completion of the NRC staff's review:

1. On page 5 of Attachment 3 of your response to Bulletin 2003-01 you state that

The [Westinghouse Owners Group] WOG has committed to evaluate and access (sic) actions to delay switchover to containment sump recirculation and provide generic recommendations to utilities by March 31, 2004. After the WOG recommendations are approved and issued, Salem will re-evaluate the need for changes to the EOPs and any supporting analysis or licensing changes that may be required.

The WOG has developed operational guidance in response to Bulletin 2003-01 for Westinghouse and CE type pressurized water reactors. Provide a discussion of your plans to consider implementing this new WOG guidance. Include a discussion of the WOG recommended compensatory measures that have been or will be implemented at your plant, and the evaluations or analyses performed to determine which of the WOG recommended changes are acceptable at your plant. Provide technical justification for those WOG recommended compensatory measures not being implemented by your plant. Also include a detailed discussion of the procedures being modified, the operator training being implemented, and your schedule for implementing these compensatory measures.

2. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to those compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable. On page 9 of Attachment 1 to your Bulletin 2003-01 response, you discussed the design, purpose, and cleaning routine for both the inner and outer annulus drain trenches. Please discuss any other possible unique or plant-specific compensatory measures you considered for implementation at your plant. Include a basis for rejecting any of these additional considered measures.