



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

June 8, 2000

LICENSEE: Public Service Electric and Gas Company

FACILITY: Salem Generating Station, Unit Nos. 1 and 2

SUBJECT: SUMMARY OF MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) STAFF AND PUBLIC SERVICE ELECTRIC AND GAS COMPANY (PSE&G) MAY 10, 2000

On Wednesday, May 10, 2000, at 1:30 p.m. a meeting was held between members of the NRC staff and representatives of PSE&G, the licensee for the Salem Nuclear Generating Station, Unit Nos. 1 and 2 (Salem). The purpose of the meeting was to discuss issues related to the licensee's license amendment application dated November 24, 1999. The licensee had requested changes to its technical specifications (TSs) in response to Generic Letter (GL) 99-02, "Laboratory Testing of Nuclear-Grade Activated Charcoal." The meeting was open to interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to the "Commission Policy Statement on Staff Meetings Open to the Public" (see 59 FR 48340, published September 20, 1994). The discussions lasted approximately 3 hours. A list of attendees is provided as Enclosure 1 to the meeting summary.

The Salem licensee opened the meeting with a short presentation. Copies of handouts for the discussion are provided as Enclosure 2. The discussion focused on the licensee's amendment request to change the Control Room Envelope Air Conditioning System (CREACS) credited charcoal filter efficiency, for use in its dose analysis, from 95% to 98%. The licensee stated that this change was necessary in order to comply with the GL 99-02 guidance allowing a minimum 2:1 factor of safety for filter efficiency for the Auxiliary Building Ventilation System (ABVS) and the CREACS, and to keep post-accident control room doses (thyroid) below Salem's current licensing basis. A summary of this change is provided in the table below.

1" Auxilliary Building Filter	Analysis	TS SR Testing
- Current Licensing Basis	90%	90%
- Proposed TS Change	80%	90%
2" CREACS Filter	Analysis	TS SR Testing
- Current Licensing Basis	95%	99%
- Proposed TS Change	98%	99%

The NRC staff members present at the meeting expressed a concern about the proposed credited efficiency for the 2" CREACS filter. Consistent with Regulatory Guide (RG) 1.52, the staff noted that it was not prepared to credit an efficiency greater than 95 percent for any 2" charcoal filter. Given this fact, the licensee responded that a credited filter efficiency of

Salem Nuclear Generating Station,
Units 1 and 2

cc:

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NRC - PUBLIC SERVICE ELECTRIC AND GAS MEETING

MAY 10, 2000

LIST OF ATTENDEES

NRC

James W. Clifford	NRR/DLPM
Robert Fretz	NRR/DLPM
Michelle Hart	NRR/DSSA
J. H. Raval	NRR/DSSA
John Segala	NRR/DSSA
Harold Walker	NRR/DSSA
Eric Weiss	NRR/DSSA

PSE&G

Gabe Salamon	Manager, Licensing
Steve Mannon	Manager, System Engineering
Fran Sullivan	Director, Engineering
Brian Thomas	Licensing
Ray Runowski	Engineering
John Duffy	Engineering

Public Participants

Mike Shoppman	NEI
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The Power of Commitment



PSEG

*Salem Generic Letter 99-02
Implementation*

May 10, 2000



Salem GL 99-02 Implementation

Agenda

<i>Introduction.....</i>	<i>F. Sullivan</i>
<i>Issue.....</i>	<i>F. Sullivan</i>
<i>GL 99-02 Technical Specification Changes.....</i>	<i>G. Salamon</i>
<i>Additional Options for Resolution.....</i>	<i>G. Salamon</i>
<i>Concluding Remarks.....</i>	<i>F. Sullivan</i>



Salem GL 99-02 Implementation

Issue

- ***Salem Unit 2 ABV Charcoal Lab Test
Surveillance Expires July 12, 2000
(25% extension date)***
- ***Salem Unit 1 ABV 18-month
surveillance interval ends on January
12, 2001***

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Salem GL 99-02

Implementation

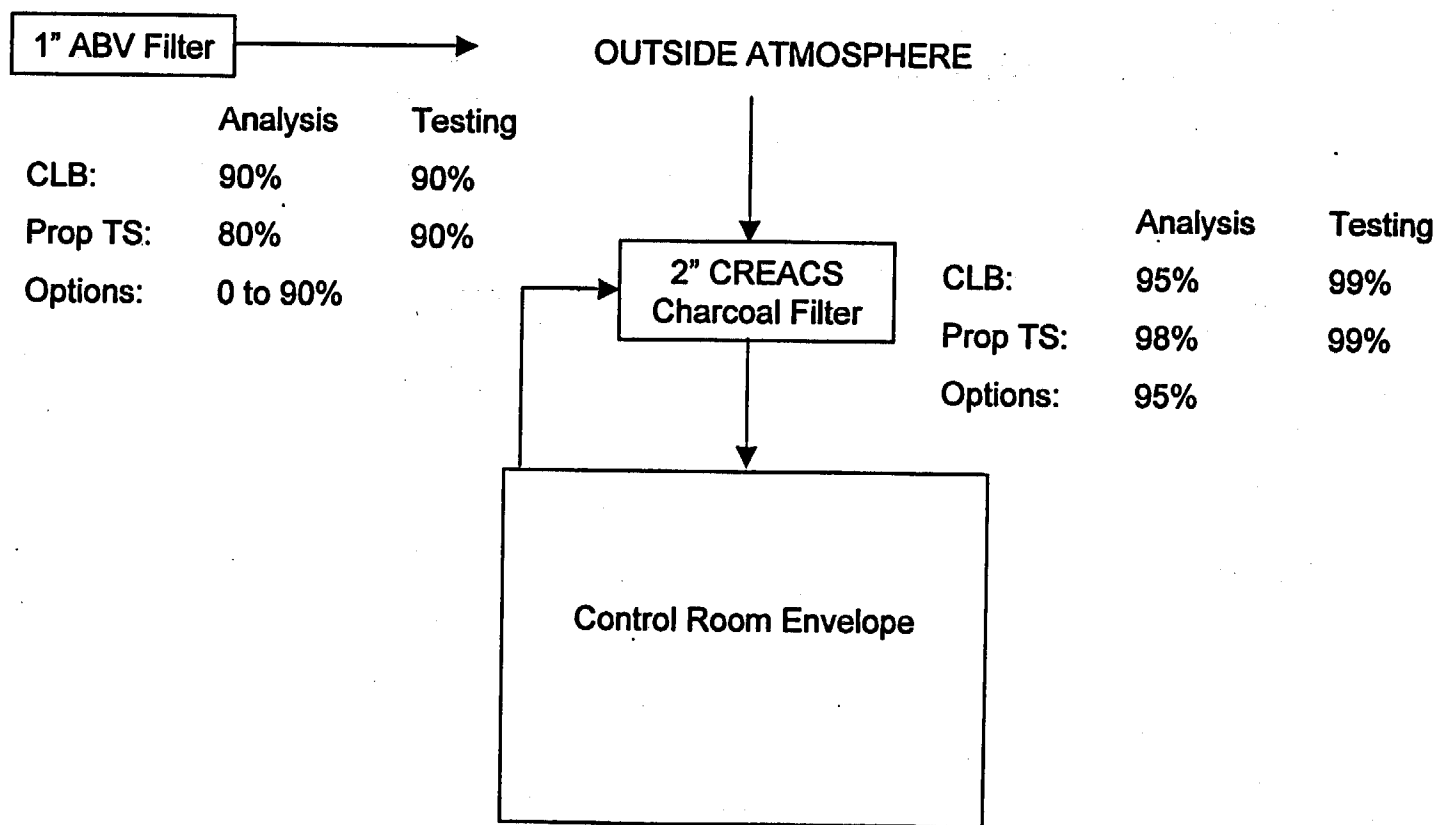
Generic Letter 99-02	Regulatory Guide 1.52, Rev. 2
Testing methodology referenced in the Reg Guide 1.52 is superceded by the GL 99-02	
Requires testing charcoal filter iodine removal efficiency IAW ASTM D3803-1989 methodology	Testing to ANSI N509-1976 Table 1
Temperature for testing must be 30°C.	Per ANSI N509-1976 Table 1
Requires testing at 95 percent RH for systems without humidity control and 70% for systems with humidity control	Relative humidity of 70% and humidity is controlled to 70% (no guidance for no humidity control)
Requires testing to be within 110% of 40 ft/min face velocity or otherwise specifically stated in the proposed TS.	Per ANSI N509-1976 Table 1
Permits establishing TS Surveillance Requirement test acceptance criteria with a safety factor as low as 2	2-inch outside containment -test to penetration of methyl iodine less than 1% -can assign efficiency of 95% SF of at least 5

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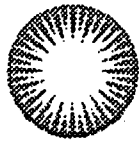


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Salem GL 99-02 Implementation



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Salem GL 99-02 Implementation

		Current UFSAR Licensing Basis	Proposed TS Changes	
Dose (rem)	Acceptance Criteria 10CFR Part 100 GDC 19	90% ABV 95% CREACS	80% ABV 98% CREACS	NRC SER for TMI Amendment 215
EAB WB gamma	25	0.8	0.6	2
EAB thyroid	300	22.5	22.6	272
LPZ whole body gamma	25	0.2	0.1	<1
LPZ thyroid	300	8.6	8.7	254
Control room WB gamma	5	3.1	0.3	<1
Control room beta skin	30	22.7	8.4	
Control room thyroid	30	28.4	28.3	35



Salem GL 99-02 Implementation

Additional Options for Resolution

- *Alternate Source Term*
- *Approval of a Slight Increase in Doses*
- *Maintain a Safety Factor of 1 for ABV*
- *Approval of Control Room Dose
Acceptance Criteria Greater Than 30
REM (similar to TMI Unit 1)*

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Salem GL 99-02 Implementation

How to Go Past July 12, 2000

- ***Approval of Technical Specification Changes***
- ***Schedular Extension of GL 99-02***
- ***One-Time Surveillance Testing Interval Extension***

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Salem GL 99-02 Implementation

Summary

- *We are addressing the administrative aspects of this issue; there are no safety concerns.*

80 percent for the ABVS filter and 95 percent for the CREACS would yield a calculated control room thyroid dose of greater than 30 rem. The calculated dose would therefore exceed the allowable dose to control room operators following a design basis event listed in General Design Criterion (GDC) 19.

Furthermore, since the staff indicated that it was unlikely that approval for exceeding the GDC 19 requirements would be granted, the licensee discussed various options available in order to resolve remaining issues necessary to comply with GL 99-02 while simultaneously providing acceptable TS filter testing values. The additional options included:

- Approval of Alternate Source Term;
- Approval of "slight" increases in doses on the order of 10 percent;
- Maintain a safety factor of 1 for the ABVS filter;
- Approval of Control Room dose acceptance criteria greater than 30 rem (similar to Three Mile Island, Unit 1). As indicated above, this option was considered to be unacceptable to the NRC staff;
- Extension of the Enforcement Discretion schedule outlined in GL 99-02;
- Approval of a one-time surveillance testing interval extension;
- Increase the filter surveillance testing frequency while a permanent TS change was reviewed by the staff.

Approval of an alternate source term for Salem would likely take as much as 2 years and would, therefore, not address immediate concerns regarding an upcoming surveillance test due on July 12, 2000. Consequently, the other options were discussed. The meeting concluded with the understanding that the licensee would further review the merits of the above options. This review would include reviewing an option to temporarily increase filter testing frequency, and possibly the inputs to its control room dose calculations. The licensee indicated that it may be able to submit a revised proposal in approximately 2 weeks. The meeting concluded at approximately 4:45 p.m.

/RA/

Robert J. Fretz, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

Enclosures: 1. List of Meeting Attendees
2. PSE&G Slide Presentation

cc w/encls: See next page

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