



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 26, 2000

LICENSEE: Public Service Electric and Gas Company

FACILITIES: Hope Creek Generating Station
Salem Nuclear Generating Station, Unit Nos. 1 and 2

SUBJECT: SUMMARY OF APRIL 17, 2000, MEETING REGARDING PLANS FOR POWER UPRATE AT HOPE CREEK AND SALEM

This summary refers to the meeting with Public Service Electric and Gas Company (PSE&G) conducted on April 17, 2000, at the U.S. Nuclear Regulatory Commission's (NRC) office in Rockville, Maryland. The meeting was held at the request of PSE&G to discuss PSE&G's plans to submit license change requests associated with a 1% power uprate at Hope Creek Generating Station (Hope Creek) and Salem Nuclear Generating Station, Unit Nos. 1 and 2 (Salem). A list of the attendees at the meeting and a copy of the slides presented by PSE&G are enclosed (Enclosures 1 and 2, respectively).

The PSE&G presentation closely followed the material in their slides provided at the meeting. The following major topics were discussed:

1. PSE&G has created a project team for the power uprate project. The organization of the project team was discussed.
2. An overview of the major milestones for the project was discussed. PSE&G stated that they would like NRC approval of the planned license change requests by the end of the first quarter of 2001. The NRC staff stated that the review would be expected to take at least 6 months and it was emphasized that the applications should be submitted as early as possible.
3. PSE&G stated that for Hope Creek, the review methodology would be based on General Electric report NEDC-31897. For Salem, the review methodology would be based on Westinghouse report WCAP-10263.
4. An overview of the required plant changes was discussed. PSE&G stated that they plan on using the Asea Brown Boveri (ABB) flow instrumentation system. The new flow instrumentation would reduce measurement uncertainties to 1%. PSE&G expects that these changes will allow the rated thermal power levels to be increased as follows:

Hope Creek: from 3293 MWt to 3326 MWt
Salem: from 3411 MWt to 3445 MWt

April 26, 2000

- 5. PSE&G stated that they plan on waiting to submit their license change requests until after Appendix K to 10 CFR Part 50 is revised so that they would not need to submit an exemption request. The proposed Appendix K revision would relax the required assumption that the reactor is operating at 1.02 times the licensed power level for LOCA analysis.
- 6. The NRC staff discussed issues related to operator actions (e.g., manual actions, operator response times, effects on control room controls/alarms, changes in zone markings on indicators, changes to SPDS, changes to operator training) that should be addressed in the license change requests.
- 7. The NRC staff stated that each topic discussed in the General Electric and Westinghouse reports should be specifically addressed in the license change requests to minimize the number of staff questions during the review.

/RA/

Richard B. Ennis, Project Manager, Section 2
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 Office of Nuclear Reactor Regulation

Enclosures: As stated

Docket Nos. 50-272, 50-311, and 50-354

cc w/enclosures: See next page

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DATE	4/19/00	4/19/00	4/19/00	4/19/00

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MEETING ATTENDANCE LIST

Licensee: Public Service Electric and Gas Company
Plant(s): Hope Creek; Salem, Units 1 and 2
Subject: Power Uprate

Date: April 17, 2000 Time: 10:00 a.m.

Location: NRC Offices, OWFN Room 3-B-4

<u>NAME</u>	<u>TITLE</u>	<u>ORGANIZATION</u>
<u>NRC STAFF</u>		
J. Clifford	Section Chief	NRR/DLPM/PDI-2
R. Ennis	Project Manager	NRR/DLPM/PDI-2
R. Fretz	Project Manager	NRR/DLPM/PDI-2
D. Shum	Reactor Engineer	NRR/DSSA/SPLB
C. Wu	Mechanical Engineer	NRR/DE/EMEB
M. Khanna	Materials Engineer	NRR/DE/EMCB
J. Bongarra	Engineering Psychologist	NRR/DIPM/IOLB
R. Goel	Reactor Engineer	NRR/DSSA/SPLB
<u>PSE&G</u>		
P. Duke	Licensing Engineer	PSE&G
R. Moore	Project Manager	PSE&G
A. Hasija	Project Engineer	PSE&G
E. Ortalan	Senior Engineer	PSE&G
K. Halac	Senior Engineer- Nuclear Fuels	PSE&G
W. Brown	Electrical Design Engineer	PSE&G
D. Nottigan	Supervisor - Nuclear Fuels	PSE&G
G. Salamon	Manager - Licensing	PSE&G
<u>PUBLIC</u>		
C. Cave	Reporter	McGraw-Hill
R. Reeves	Senior Engineer	Scientech/NUS-IS
J. Regan	Engineer	Kay Technologies, Inc.

PSEG Nuclear



PSEG
Nuclear LLC

1% UPRATE PROJECT

**HOPE CREEK & SALEM
NUCLEAR GENERATING STATIONS**

NRC Meeting
April 17, 1999

Ray T. Moore, Sr.
Project Manager

Enclosure 2

PROJECT TEAM



PSEG
Nuclear LLC

Dave Garchow, V.P.-Nuclear Engineering
Executive Sponsor

Ray Moore, Project Manager
Ashok Hasija, Project Engineer

Project Controls
Ron Dowdney

Administration
Kathy Master

Environmental
Dave Hurka

DE:I&C/Elect/Digital
Bill Brown

DE: Mech/Struct.
Emin Ortalan

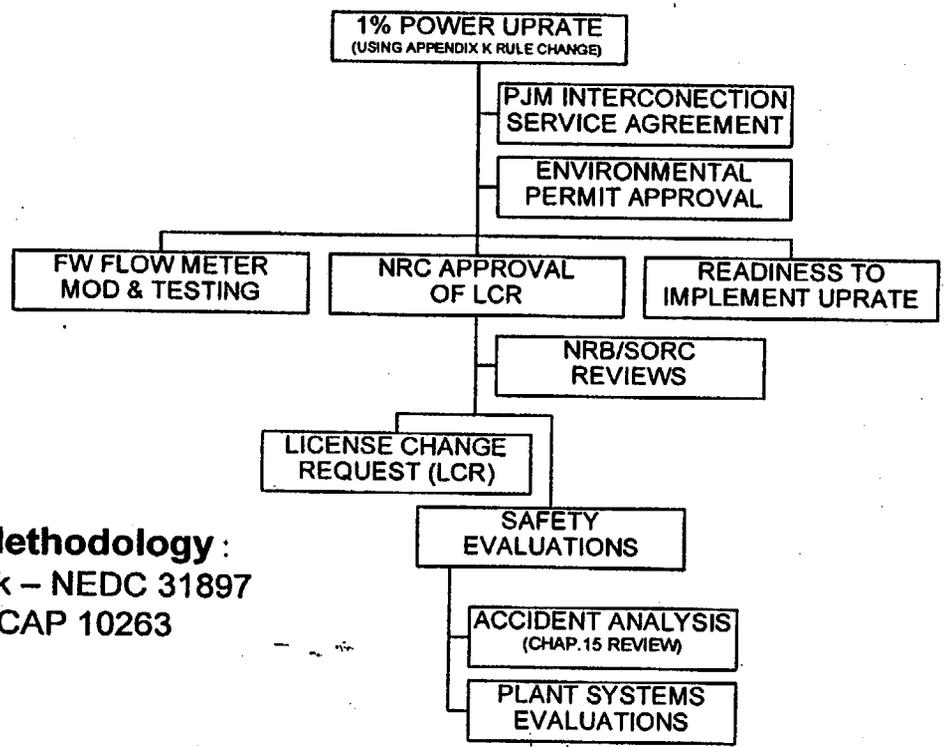
Salem Fuels
Kent Halac

Hope Creek Fuels
Frank Safin

Licensing
Paul Duke

Ran Hill/Spoo

PROJECT OVERVIEW



Review Methodology :
Hope Creek – NEDC 31897
Salem – WCAP 10263

R.M. 4/1/00

PLANT CHANGES – HOPE CREEK



PSEG
Nuclear LLC

- **New Flow Meters Reduce Measurement Uncertainties By 1% Allowing Increases Within The Current Design Basis**
- **Increase RTP from 3293 MWt to 3326 MWt**
- **No Change to Rated Core Flow**
- **~ 1 °F Increase in FW Temperature**
- **~ 1% Increase in FW and Steam Flows**
- **No Substantial Changes to Normal, Abnormal, or Emergency Operating Procedures Other than Definition of Rated Thermal Power**

R.M. 4/17/00

PLANT CHANGES - SALEM



- **New Flow Meters Reduce Measurement Uncertainties By 1% Allowing Increases Within The Current Design Basis**
- **Increase RTP from 3411 MWt to 3445 MWt**
- **Tavg Maintained Within Current RTP Program Window (566 - 577. 9°F)**
- **~ 1 °F Increase in FW Temperature**
- **~ 1% Increase in FW and Steam Flows**
- **No Substantial Changes to Normal, Abnormal, or Emergency Operating Procedures Other than Definition of Rated Thermal Power**