PSEG

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Salem Generating Station

May 14, 1993

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

MONTHLY OPERATING REPORT
SALEM NO. 1
DOCKET NO. 50-272

In compliance with Section 6.9.1.6, Reporting Requirements for the Salem Technical Specifications, the original copy of the monthly operating reports for the month of April 1993 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Safety Related Maintenance
10CFR50.59 Evaluations
Operating Summary
Refueling Information

Sincerely yours,

General Manager -
Salem Operations

RH:pc

cc: Mr. Thomas T. Martin
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19046

Enclosures

8-1-7.R4

IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-272
Unit Name: Salem #1
Date: 5/10/93
Telephone: 339-2122

Completed by: Mark Shedlock

Month April 1993

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	1125	17	850
2	1073	18	675
3	1013	19	682
4	883	20	890
5	1004	21	651
6	985	22	724
7	757	23	593
8	831	24	649
9	766	25	917
10	776	26	1045
11	760	27	1024
12	769	28	1093
13	822	29	1023
14	902	30	783
15	815	31	
16	914		

OPERATING DATA REPORT

Docket No: 50-272
Date: 05/10/93
Completed by: Mark Shedlock
Telephone: 339-2122

Operating Status

1.	Unit Name	Salem No. 1	Notes
2.	Reporting Period	April 1993	
3.	Licensed Thermal Power (MWt)	3411	
4.	Nameplate Rating (Gross MWe)	1170	
5.	Design Electrical Rating (Net MWe)	1115	
6.	Maximum Dependable Capacity(Gross MWe)	1149	
7.	Maximum Dependable Capacity (Net MWe)	1106	

8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason N/A

2

9. Power Level to Which Restricted, if any (Net MWe) N/A

10. Reasons for Restrictions, if any N/A

	This Month	Year to Date	Cumulative
12. Hours in Reporting Period	719	2879	138816
12. No. of Hrs. Rx. was Critical	719	2622.91	91804.89
13. Reactor Reserve Shutdown Hrs.	0	0	0
14. Hours Generator On-Line	719	2537.35	88677.76
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1958695.2	7944417.6	280143026.0
17. Gross Elec. Energy Generated (MWH)	649580	2666710	93040700
18. Net Elec. Energy Gen. (MWH)	618040	2541922	88613581
19. Unit Service Factor	100	88.1	63.9
20. Unit Availability Factor	100	88.1	63.9
21. Unit Capacity Factor (using MDC Net)	77.7	79.8	57.7
22. Unit Capacity Factor (using DER Net)	77.1	79.2	57.3
23. Unit Forced Outage Rate	0	11.9	21.2

24. Shutdowns scheduled over next 6 months (type, date and duration of each)

Refueling, 10-02-93 approximately 72 days.

25. If shutdown at end of Report Period, Estimated Date of Startup:

N/A

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH APRIL 1993

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: 05/10/93
COMPLETED BY: Mark Shedlock
TELEPHONE: 339-2122

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
0032	03/31/93	F	6.22	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0033	04/01/93	F	4.67	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0064	04/02/93	F	9.90	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0034	04/03/93	F	1.17	B	5	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0035	04/04/93	F	2.83	B	5	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0037	04/04/93	F	22.17	B	4	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0036	04/05/93	F	6.28	B	5	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0040	04/06/93	F	57.80	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0038	04/07/93	F	7.0	B	5	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0039	04/07/93	F	0.78	B	5	----------	HF	DEMINX	FEEDWATER CHEMISTRY
0041	04/08/93	F	117.98	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0065	04/08/93	F	49.83	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS

1
F: Forced
S: Scheduled

2
Reason
A-Equipment Failure (explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation of Previous Outage
5-Load Reduction
9-Other

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit 1 - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH APRIL 1993

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: 05/10/93
COMPLETED BY: Mark Shedlock
TELEPHONE: 339-2122

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
0066	04/11/93	F	4.93	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0042	04/13/93	F	19.68	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0043	04/14/93	F	15.17	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0044	04/14/93	F	39.38	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0045	04/16/93	F	17.25	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0046	04/17/93	F	4.25	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0047	04/17/93	F	1.50	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0048	04/17/93	F	4.0	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0049	04/17/93	F	3.48	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0050	04/17/93	F	3.48	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0051	04/17/93	F	7.33	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0067	04/17/93	F	0.17	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS

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Reason
A-Equipment Failure (explain)
B-Maintenance or Test
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E-Operator Training & License Examination
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G-Operational Error (Explain)
H-Other (Explain)

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH APRIL 1993

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: 05/10/93
COMPLETED BY: Mark Shedlock
TELEPHONE: 339-2122

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
0052	04/18/93	F	1.85	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0053	04/18/93	F	108.37	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0068	04/19/93	F	3.95	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0069	04/19/93	F	3.20	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0070	04/20/93	F	4.70	B	5	----------	HF	PUMPXX	CONDENSER TUBE/WATER BOX CLEANING
0054	04/22/93	F	5.80	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0055	04/22/93	F	57.75	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0056	04/26/93	F	2.82	A	5	----------	HF	PUMPXX	INTAKE SYS. PROBLEMS OTHER THAN TRVL SCREENS
0057	04/27/93	F	4.43	A	4	----------			
0058	04/27/93	F	2.25	A	4	----------			
0059	04/27/93	F	.058	A	4	----------			
0060	04/27/93	F	1.95	A	4	----------			

1
F: Forced
S: Scheduled

2
Reason
A-Equipment Failure (explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
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2-Manual Scram
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9-Other

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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit 1 - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH APRIL 1993

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: 05/10/93
COMPLETED BY: Mark Shedlock
TELEPHONE: 339-2122

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
0061	04/27/93	F	4.22	A	4	----------	HF	PUMPXX	INTAKE SYSTEM PROBLEMS
0071	04/29/93	F	2.02	A	5	----------	HF	PUMPXX	CIRCULATING WATER PUMPS
0062	04/29/93	F	4.93	D	5	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.
0063	04/30/93	F	3.0	D	4	----------	HF	PUMPXX	STM UNITS THERMAL DISCHARGE LIMIT ENVIRON.

1
F: Forced
S: Scheduled

2
Reason
A-Equipment Failure (explain)
B-Maintenance or Test
C-Refueling
D-Requlatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

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Method:
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5-Load Reduction
9-Other

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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit 1 - Same Source

SAFETY RELATED MAINTENANCE
MONTH: - APRIL 1993

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: MAY 10, 1993
COMPLETED BY: J. FEST
TELEPHONE: (609)339-2904

WO NO	UNIT	EQUIPMENT IDENTIFICATION
911104153	1	11 CHILLED WATER PUMP
		FAILURE DESCRIPTION: 11 CHILLED WATER PUMP LEAKING OIL - REPAIR AS REQUIRED
930105141	1	856 AMSAC
		FAILURE DESCRIPTION: 856 AMSAC DEFECTIVE POWER SUPPLY - REPLACE
930316127	1	VALVE 12SW38
		FAILURE DESCRIPTION: FAILED PERFORMANCE TEST - OPEN AND INSPECT

10CFR50.59 EVALUATIONS
MONTH: - APRIL 1993

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: MAY 10, 1993
COMPLETED BY: J. FEST
TELEPHONE: (609)339-2904

The following items were evaluated in accordance with the provisions of the Code of Federal Regulations 10CFR50.59. The Station Operations Review Committee has reviewed and concurs with these evaluations.

ITEM	SUMMARY

A. Design Change Packages (DCPs)

1EC-3208 Pkg 1

"Salem Fire Damper Upgrade" - The design scope for the fire damper project provides for the upgrading of Salem Unit 1 and Unit 2 fire dampers to meet the fire protection license conditions. Numerous plant HVAC System fire dampers and ductwork require rating upgrades; numerous fire dampers will be replaced with upgraded components, some existing fire dampers will be modified to obtain the required rating, some new fire dampers will be installed in the established fire barrier and some existing dampers and ductwork will be fire wrapped to obtain necessary ratings. The design scope for this package includes the replacement, relocation, and/or modification of existing fire dampers to the Unit 1's Auxiliary Building Ventilation (ABV) System. The function, basic configuration and operation of the system will not be altered and the codes, standards, qualification and design criteria of the original system will apply. The margin of safety is not reduced because the modifications are enhancing the Fire Protection System to meet the criteria of 10CFR50 Appendix R. (SORC 93-029)

1SC-2164 Pkgs 1-3

"Installation of Synchronizing Permissive Devices for No. 1 Unit Emergency Diesel Generator" - This change will provide permissives to allow the operator to synchronize the Diesel Generators (D/G) with their associated vital busses. The permissives will be enabled during a specific closing phase angle range, slip limit (F limit), and voltage range. The permissive will be blocked when out of these specific ranges. In addition, the syncrocloser check relay will permit dead bus closure of the diesel generator breaker. These change packages will consist of the modification of the Design Generator Control Panels to add syncroclose check relays, auxiliary relays, test switches and green indicating lights, in order to accomplish the above changes. The implementation

ITEM	SUMMARY
	of this package will not reduce the margin of safety as defined in the basis for any Technical Specification. Failure of the synchronizing permissive circuit will not render the D/G inoperable or affect the limiting conditions for station operations. Existing surveillance and operating procedures include manual synchronizing of the D/G. (SORC 93-029)
1SC-2163 Pkg 1	"Installation of Synchronizing Permissive Devices to Main Generator" - This change will provide a permissive to allow the operator to synchronize the Main Generator to the power grid. The permissive will be enabled during a specific closing phase angle range, slip limit (F limit), and voltage range. The permissive will be blocked when out of these specific ranges. This change package will consist of (1) the modification of the Unit 1 Control Console to add a green light and keylock switch, (2) the modification to Relay Rack [R2] to add a syncrocloser check relay, test switch, and (3) the modifications to Relay Cabinet R11-4 to add four auxiliary relays. Three new cables will be required. The implementation of this DCP will not reduce the margin of safety as defined in the basis for any Technical Specification. Failure of the synchronizing permissive circuit will not render the main generator inoperable or affect the limiting conditions for station operations. Existing surveillance and operating procedures include manual synchronizing of the D/G. (SORC 93-029)
1EC-3226 Pkg 1	"Unit 1 - Auxiliary Feedwater and Steam Generator Blowdown Modifications" - This design change package replaces the internals of the steam generator blowdown containment isolation valves (11-14GB4) with new plug and trim that is hardfaced with Stellite over the full surface of the plug and seat; it also replaced the GB4 actuators with equivalent component. The design change further replaces the AF23 valves with Edward 4-inch Univalve Y-Pattern Stop Check, Fig. No. D36268T1. The proposed change does not alter the original design intent or modes of operation

(cont'd)

ITEM		SUMMARY
		or function for which both systems are currently analyzed. Therefore, the margin of safety basis for the Technical Specifications will not be reduced. (SORC 93-029)
1EC-3209	Pkg 1	""Galtronics Page-Party System Modifications" - This change package will upgrade the single page-party system presently in use at Salem Generating Station to a multiple party line system, with line 1 being dedicated to the Unit 1 Control Room, line 2 dedicated to the Unit 2 Control Room and party lines 3, 4 and 5 utilized throughout the Salem plant. This DCP does not reduce the margin of safety as defined in the basis for any Technical Specification because the reliability of the communication system will be improved. The quality of the equipment is also being improved by replacing mechanical switch hooks with proximity sensors. (SORC 93-029)
5EC-3029	Pkg 1	"Automated Accountability Computer System" - An Automated Accountability Computer System is to be installed in the Secondary Alarm Station (SAS) in the basement of the Security Center. The new computer is to interface with five new card readers, located in the badge issue area, the Salem Security Computer and the local terminal/printer stations that are to be installed in the SAS and in the Salem and Hope Creek Technical Support Centers. The Technical Specifications were reviewed and it was found that there are no applicable sections that reference the emergency plan, security computer or the accountability system. Therefore, there is no reduction in the margin of safety as defined in the basis for any Technical Specification. (SORC 93-029)
1EC-3208	Pkg 3	"Salem Fire Damper Upgrade" - The design scope for this package includes the replacement, relocation, addition and/or deletion of existing fire dampers to Unit 1's Diesel Fuel Oil Storage Area Ventilation (DFSAV) Subsystem of the Diesel Generator Area Ventilation (DGV) System. The function, basic configuration and operation of the

ITEM		SUMMARY
		system will not be altered and the codes, standards, qualifications and design criteria of the original system will apply. The design parameters for the modifications to the ductwork, CO^2 piping and electrical cable and conduit envelope the existing design requirements. There is no change to the margin of safety as defined in the basis for any Technical Specification. (SORC 93-029)
1EC-3189	Pkg 1	"Installation of Unit Heaters in 1C Battery Room" - Convection heaters will be installed in the 1C battery room at el. 64'-0". These heaters will be of an explosion proof, NEC Code Class I, Division I and Group B design. The local Non-1E lighting panel A11A will be modified to provide power supplies for these heaters. This modification does not reduce the margin of safety as defined in the basis for any Technical Specification. (SORC 93-031)
1EC-3208	Pkg 7	"Salem Fire Damper Upgrade" - The design scope for this package includes the addition of a new fire damper and modification of an existing fire dampers in the Control Area Air Conditioning System (CAACS) Subsystem of the Control Area Ventilation (CAV) System. The function, basic configuration and operation of the system will not be altered and the codes, standards, qualification and design criteria of the original system will apply. The basis for the Technical Specifications does not address the fire protection features. Since replaced or modified fire dampers associated with the CAAC system perform no safety related functions; these modifications do not affect a safety related system which is required for safe shutdown. There is no reduction in the margin of safety as defined in the basis for any Technical Specification. (SORC 93-033)
1SC-2296	Pkg 1	"Travelling Screen Blowdown Piping Installation and Waterbox Modifications" - This DCP proposes to Modify Unit 1 and 2 circulation water travelling screens by installing 2" stainless steel blowdown

ITEM		SUMMARY
		lines, associated shutoff valves and supports from the three spray wash headers located on 11A, 11B, 12A, 12B, 13A, 21A, 21B, 22A, 22B, 23A, and 23B travelling screens in the Circulating Water Intake Structure (CWIS). The blowdown piping, valves and supports will also be installed on the two spare travelling screens. This DCP will also modify Unit 1 condenser waterboxes by installing patches on corroded external stiffeners, adding extensions to existing external stiffeners and attaching five new stiffeners on both sides of each inlet waterbox. The addition of blowdown piping has no effect on the margins of safety that are the basis for the Technical Specifications. (SORC 93-033)
1EC-3193	Pkg 1	"Oil Water Separator System" - This change package will upgrade Salem Generating Station, Units 1 & 2, Oil-Water Separator System to ensure the effluents being discharged into the river via drainage system through manhole #15 meet the regulatory limits mandated by state statutes. The proposed change does not reduce the margin of safety as defined in the basis for any Technical Specification as the Oil/Water Separator system is not specifically covered by the Technical Specifications. Also, the proposed change only improves the existing Oil/Water Separator system. (SORC 93-036)
1EC-3225	Pkg 1	"RG 1.97 EQ Valve Limit Switch and Solenoid Modifications" - This design change package modifies the existing power, wiring and electrical protective devices of Environmentally Qualified (EQ) solenoids and valve position limit switches to provide electrical separation from Non-Environmentally Qualified (Non-EQ) solenoids and valve position limit switches. The proposed change does not reduce the margin of safety as defined in the basis for any Technical Specification. (SORC 93-036)
1EC-3099	Pkg 1	"Replacement of Rosemount Electronic Transmitters" - This modification replaces 55 Rosemount electronic transmitters with new transmitters having improved performance under harsh

ITEM	SUMMARY
	environmental conditions. The new transmitters are seismically and environmentally qualified for the installed locations. The tubing and valving arrangements will be standardized for all transmitters of the same type. Where space is available, differential pressure transmitters will be equipped with calibration volume chambers. These chambers allow calibration with pneumatic signals without the incursion of air into the transmitters or impulse tubing. The modification also replaces the electronics assemblies on 16 Rosemount transmitters in accumulator level (8) and pressure (8) service. Each of the 73 transmitters affected by this modification will be equipped with a qualified electrical connector to facilitate maintenance. The new or modified transmitters are equal to or better than the previous instruments under all conditions. There is no reduction in the margin of safety as defined in the basis for any Technical Specification. (SORC 93-038)
1EC-3208 Pkg 6	"Salem Fire Damper Upgrade" - The design scope for this package includes the replacement, relocation, and/or modification of existing fire dampers to the Unit 1's Switchgear and Penetration Area Ventilation (SPAV) System. The function, basic configuration and operation of the system will not be altered and the codes, standards, qualification and design criteria of the original system will apply. The basis for the Technical Specifications does not address the fire protection features. since replaced or modified fire dampers associated with the SPAV system perform no safety related functions; these modifications do not affect a safety related system which is required for safe shutdown. There is no reduction in the margin of safety as defined in the basis for any Technical Specification. (SORC 93-038)
B. Procedures and Revisions	
NC.NA-AP.ZZ-0015(Q)	"Safety Tagging Program" Rev. 1 - The purpose of this revision is to provide clarification for when more than one (1) supervisor performs tagging

ITEM	SUMMARY
	verification prior to performing the work. There are no specific sections addressing the details of safety in the Technical Specifications. There is no reduction in the margin of safety as defined in the basis for any Technical Specifications. (SORC 93-029)
C. Safety Evaluations	
1EC-3217 Pkg 1	"Replacement of No. 1 Fire Diesel Fire Pump" Rev. 1 - The purpose of this revision is to address the new fire pump controller being added by this DCP. The new controller has been chosen so that its normal operating functions will be the same as the functions of the existing controller. The new controller configuration will be compatible with the existing No. 2 Fire Pump as well as Control Room alarms. In addition, the new controller provides several features not included in the original controller. These include an "Engine Test" push button which can be used to create a loss of pressure condition at the pressure transducer to cause an auto engine start sequence; a "Minimum Run time" option which allows the engine to shutdown either automatically after 5 or 30 minutes if system pressure has been restored, or manually; and safe engine shutdown circuits which cause engine shutdown to occur if the engine is running due to loss of AC start signal or test push button and either an engine low oil pressure or high temperature signal is received. The Fire Protection Program was reviewed and it was determined that no concerns pertaining to system integrity exist. There is no reduction in the Margin of safety as defined in the basis for any Technical Specification. (SORC 93-029)

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT 1
APRIL 1993

SALEM UNIT NO. 1

The Unit began the period operating at 100% power. Power reductions were performed throughout the period due to waterbox fouling, travelling screen problems, and loss of circulating water pumps resulting from an excessive influx of swamp grass.

REFUELING INFORMATION
MONTH: - APRIL 1993

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: MAY 10, 1993
COMPLETED BY: J. FEST
TELEPHONE: (609)339-2904

MONTH APRIL 1993

1. Refueling information has changed from last month:
   YES _____ NO __X__

2. Scheduled date for next refueling: OCTOBER 2, 1993

3. Scheduled date for restart following refueling: DECEMBER 13, 1993

4. a) Will Technical Specification changes or other license amendments be required?:
   YES _____ NO _____

   NOT DETERMINED TO DATE __x__

   b) Has the reload fuel design been reviewed by the Station Operating Review Committee?:
   YES _____ NO __x__

   If no, when is it scheduled?: _____

5. Scheduled date(s) for submitting proposed licensing action:
   N/A

6. Important licensing considerations associated with refueling:

7. Number of Fuel Assemblies:

   a. Incore 193
   b. In Spent Fuel Storage 656

8. Present licensed spent fuel storage capacity: 1170

   Future spent fuel storage capacity: 1170

9. Date of last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity: September 2001