

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9008210119 DOC.DATE: 90/07/31 NOTARIZED: NO DOCKET #
 FACIL:50-311 Salem Nuclear Generating Station, Unit 2, Public Serv 05000311
 AUTH.NAME AUTHOR AFFILIATION
 MORRONI,M. Public Service Electric & Gas Co. of New Jersey
 MILLER,L.K. Public Service Electric & Gas Co. of New Jersey
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jul 1990 for Salem 2.W/900821
 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD1-2 LA	3 3	PD1-2 PD	1 1
	STONE,J	1 1		
INTERNAL:	AEOD/DOA	1 1	AEOD/DSP/TPAB	1 1
	IRM TECH ADV	2 2	NRR/DLPO/LPEB10	1 1
	NRR/DOEA/OEAB11	1 1	<u>REG FILE 01</u>	1 1
	RGN1	1 1		
EXTERNAL:	EG&G BRYCE,J.H	3 3	LPDR	1 1
	NRC PDR	1 1	NSIC	1 1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 19 ENCL 19

R
I
D
S
/
A
D
S
/
A
D
D
S

R
I
D
S
/
A
D
D
S



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

Salem Generating Station

August 15, 1990

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

Dear Sir:

MONTHLY OPERATING REPORT
SALEM NO. 2
DOCKET NO. 50-311

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 July 1990 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Safety Related Maintenance
Major Plant Modifications
Operating Summary
Refueling Information

Sincerely yours,

V. J. Paluzzi
for L. K. Miller
L. K. Miller
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

The Energy People

03026

9008210119 900731
PDR ADOCK 05000311
R PDC

IE24
44
95-2189 (11M) 12-84

10. 1. 1958

1. 1. 1958
12. 1. 1958
13. 1. 1958

14. 1. 1958

15. 1. 1958
16. 1. 1958
17. 1. 1958

18. 1. 1958
19. 1. 1958
20. 1. 1958
21. 1. 1958
22. 1. 1958

23. 1. 1958
24. 1. 1958
25. 1. 1958
26. 1. 1958
27. 1. 1958
28. 1. 1958
29. 1. 1958
30. 1. 1958

31. 1. 1958

32. 1. 1958

33. 1. 1958
34. 1. 1958
35. 1. 1958

36. 1. 1958

37. 1. 1958
38. 1. 1958
39. 1. 1958
40. 1. 1958
41. 1. 1958
42. 1. 1958
43. 1. 1958
44. 1. 1958
45. 1. 1958
46. 1. 1958
47. 1. 1958
48. 1. 1958
49. 1. 1958
50. 1. 1958

51. 1. 1958

52. 1. 1958

53. 1. 1958
54. 1. 1958
55. 1. 1958
56. 1. 1958
57. 1. 1958
58. 1. 1958
59. 1. 1958
60. 1. 1958

61. 1. 1958
62. 1. 1958
63. 1. 1958
64. 1. 1958
65. 1. 1958
66. 1. 1958
67. 1. 1958
68. 1. 1958
69. 1. 1958
70. 1. 1958
71. 1. 1958
72. 1. 1958
73. 1. 1958
74. 1. 1958
75. 1. 1958
76. 1. 1958
77. 1. 1958
78. 1. 1958
79. 1. 1958
80. 1. 1958
81. 1. 1958
82. 1. 1958
83. 1. 1958
84. 1. 1958
85. 1. 1958
86. 1. 1958
87. 1. 1958
88. 1. 1958
89. 1. 1958
90. 1. 1958
91. 1. 1958
92. 1. 1958
93. 1. 1958
94. 1. 1958
95. 1. 1958
96. 1. 1958
97. 1. 1958
98. 1. 1958
99. 1. 1958
100. 1. 1958

AVERAGE DAILY UNIT POWER LEVEL

Docket No.	<u>50-311</u>
Unit Name	<u>Salem # 2</u>
Date	<u>08-10-90</u>
Completed by	<u>Art Orticelle</u>
Telephone	<u>609-339-2122</u>

Month JULY, 1990

Day Average Daily Power Level
(MWe-NET)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

Day Average Daily Power Level
(MWe-NET)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-19-2001 BY 60322 UCBAW

CORRECTED OPERATING DATA REPORT

Docket No: 50-311
 Date: 08-10-90
 Telephone: 609-339-2122

Completed by: Art Orticelle

Operating Status

	<u>Salem No. 2</u>	<u>Notes</u>
1. Unit Name	<u>JULY 1990</u>	
2. Reporting Period		
3. Licensed Thermal Power (MWt)	<u>3411</u>	
4. Nameplate Rating (Gross MWe)	<u>1170</u>	
5. Design Electrical Rating (Net MWe)	<u>1115</u>	
6. Maximum Dependable Capacity (Gross MWe)	<u>1149</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>1106</u>	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason	<u>N/A</u>	

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

10. Reasons for Restrictions, if any N/A

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>744</u>	<u>5087</u>	<u>77136</u>
12. No. of Hrs. Reactor was Critical	<u>21.9</u>	<u>2161.0</u>	<u>48166.9</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>2056.2</u>	<u>46601.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1797.6</u>	<u>6683479.2</u>	<u>95735218.6</u>
17. Gross Elec. Energy Generated (MWH)	<u>0</u>	<u>2266270</u>	<u>48313322</u>
18. Net Elec. Energy Generated (MWH)	<u>-13760</u>	<u>2138224</u>	<u>45938130</u>
19. Unit Service Factor	<u>0</u>	<u>40.4</u>	<u>60.4</u>
20. Unit Availability Factor	<u>0</u>	<u>40.4</u>	<u>60.4</u>
21. Unit Capacity Factor (using MDC Net)	<u>0</u>	<u>38</u>	<u>53.8</u>
22. Unit Capacity Factor (using DER Net)	<u>0</u>	<u>37.7</u>	<u>53.4</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>10.0</u>	<u>25.4</u>

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

None

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

08/14/90

100

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the medium containing 100 mg/l of tetracycline. The cell concentration of the *Agrobacterium* suspension was adjusted to 10⁸ cells/ml. The cell suspension was mixed with the plant tissue and incubated for 24 h. The plant tissue was then cultured on the medium containing 100 mg/l of tetracycline. The transformation efficiency was determined by the number of transformants per 100 mg of plant tissue. The data are the mean \pm SD of three independent experiments.

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible][illegible][illegible]

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

2. The second part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

3. The third part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

4. The fourth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

5. The fifth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

6. The sixth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

7. The seventh part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

8. The eighth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

9. The ninth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

10. The tenth part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

100

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH JULY 1990

DOCKET NO.: 50-311 .
UNIT NAME: Salem #2
DATE: 08-10-90
COMPLETED BY: Art Orticelle
TELEPHONE: 339-2122 .

[illegible]

```

1
F: Forced
S: Scheduled

```

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

Handwritten notes in the top right corner, possibly a date or reference.

Handwritten notes in the middle right margin.

Main body of handwritten text, appearing to be a list or series of entries.

Second main body of handwritten text, continuing the list or entries.

Third main body of handwritten text, continuing the list or entries.

Fourth main body of handwritten text, continuing the list or entries.

Fifth main body of handwritten text, continuing the list or entries.

Sixth main body of handwritten text, continuing the list or entries.

SAFETY RELATED MAINTENANCE
MONTH: - JULY 1990

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: AUGUST 10, 1990
COMPLETED BY: M. MORRONI
TELEPHONE: (609) 339-2068

| WO NO | UNIT | EQUIPMENT IDENTIFICATION |
|-----------|------|--|
| 880627079 | 2 | 2MISC-MECH-OUTER PENETRATION
FAILURE DESCRIPTION: GROUND WATER LEAK - REPAIR |
| 890724021 | 2 | 21WG032
FAILURE DESCRIPTION: REPLACE DIAPHRAGM |
| 900501262 | 2 | SPOOL RD-2-SW-740
FAILURE DESCRIPTION: HOLE IN WELD - REPAIR |
| 900611130 | 2 | 22RCP SEAL OUT TEMP
FAILURE DESCRIPTION: INDICATION READING LOW - INVESTIGATE |
| 900618122 | 2 | TAC MOTOR AMPS INDICATION
FAILURE DESCRIPTION: INDICATION FAILED HIGH - INVESTIGATE |
| 900722049 | 2 | 2A D/G SPEED CONTROL
FAILURE DESCRIPTION: SPEED-LOAD CONTROL SLOW RESPONSE - TROUBLESHOOT |
| 900724121 | 2 | 21 SW PUMP
FAILURE DESCRIPTION: PUMP WILL NOT RESTART - TROUBLESHOOT AND REWORK |

[illegible]

1. 2. 3. 4.

[Faint, illegible handwritten notes]

[illegible]

1. The first part of the document is a title page. It contains the title "THE HISTORY OF THE UNITED STATES OF AMERICA" and the author "BY JAMES MADISON".

SECRET

1. The first step is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

... ..

MAJOR PLANT MODIFICATIONS
MONTH: - JULY 1990

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: AUGUST 10, 1990
COMPLETED BY: M. MORRONI
TELEPHONE: (609) 339-2068

| *DCR | PRINCIPAL SYSTEM | DESCRIPTION |
|----------|--|---|
| 2EC-2122 | Reactor Containment
Fan Cooler Motors | This design change provided for refurbishment of two Reactor Containment Fan Cooler Unit (RFCU) motors to improve their reliability. |
| 2EC-2187 | Chemical Volume
& Control System | This design change reduced the boron concentration in the Boron Injection Tank (BIT) from 21,000 ppm to less than 7,000 ppm. The recirculation lines between the BIT and the Boron Addition Tank (BAT) were cut and capped and the heat tracing was disconnected. |
| 2EC-2302 | UHF Radio | This design change increased the coverage of the UHF radio communication system by adding four antennas. |
| 2SM-0208 | TAC Expansion
Tank | This modification installed a permanent sightglass for the Turbine Auxiliaries Cooling Makeup and Expansion Tank. |

* DCR - Design Change Request

2. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land in question:

1. The land in question is located in the State of California, County of San Diego, and is situated within the boundaries of the San Diego National Monument.

LAND IN QUESTION

LAND IN QUESTION

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

The land in question is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California. The land is situated within the boundaries of the San Diego National Monument, and is located in the County of San Diego, State of California.

MAJOR PLANT MODIFICATIONS
MONTH: - JULY 1990

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: AUGUST 10, 1990
COMPLETED BY: M. MORRONI
TELEPHONE: (609) 339-2068

*DCR

SAFETY EVALUATION 10 CFR 50.59

2EC-2122

This design change provided for refurbishment of two RFCU motors to improve their reliability. Certificate and qualification documentation, including workmanship qualification and seismic requalification to the original specifications and requirements, are provided by the vendor. There is no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

2EC-2187

This design change reduced the boron concentration in the BIT from 21,000 ppm to less than 7,000 ppm. The recirculation lines between the BIT and the Boron Addition Tank (BAT) were cut and capped and the heat tracing was disconnected. These modifications eliminated the Technical Specifications associated with the BIT as well as the maintenance problems associated with high concentration boron. These modifications did not increase the probability of any accidents previously evaluated or introduce any new accidents. There is no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

2EC-2302

This design change increased the coverage of the UHF radio communication system by adding four antennas. The probability of occurrence or the consequences of an accident or malfunction of equipment important to safety has not been increased. This modification has not created the possibility of an accident or malfunction different than any evaluated in the FSAR. The margin of safety defined in the Technical Specifications and the FSAR has not been reduced. There is no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

2SM-0208

This modification installed a permanent sightglass for the TAC Makeup and Expansion Tank. There is no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

* DCR - Design Change Request

RECEIVED
JAN 10 1964
U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

U.S. DEPARTMENT OF
COMMERCE
WASHINGTON, D.C.

MAJOR PLANT MODIFICATIONS
MONTH: - JULY 1990

DOCKET NO: 50-311
UNIT NAME: SALEM 2
DATE: AUGUST 10, 1990
COMPLETED BY: M. MORRONI
TELEPHONE: (609) 339-2068

(cont'd)

*DCR

SAFETY EVALUATION 10 CFR 50.59

2SM-0973

This design change raised the setpoint of the BIT pressure alarm from 2250 psig to 2610 psig to eliminate false alarms. The BIT high discharge pressure alarm provided the Control Room Operators a way of determining that there was a blocked flowpath during safety injection. The function of the high discharge pressure alarm has not been changed and the boric acid concentration in the BIT has been reduced to the point that boric acid solidification is no longer a concern. The new setpoint is still below the design pressure of the BIT and piping, including instrument inaccuracies. There is no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

[illegible]

2000

११३

Figure 1

1. The first of these is the fact that the
2. second of these is the fact that the
3. third of these is the fact that the
4. fourth of these is the fact that the
5. fifth of these is the fact that the
6. sixth of these is the fact that the
7. seventh of these is the fact that the
8. eighth of these is the fact that the
9. ninth of these is the fact that the
10. tenth of these is the fact that the

1992

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT 2
JULY 1990

SALEM UNIT NO. 2

The Unit entered the period shutdown, following a reactor trip on June 28, 1990 due to failure of the 2F 460V transformer. During the transient, two Main Steam Isolation Valves (MSIVs) failed to operate as expected. An investigation into the cause identified a weakness in the MSIV isolation logic. An evaluation, performed in support of a proposed design change on the MSIVs indicated that it could not be ensured the valves would close during certain postulated main steam line pipe breaks. The Unit remained shutdown throughout the rest of the period while additional analyses and evaluations were performed.

REFUELING INFORMATION

MONTH: - JULY 1990

DOCKET NO: 50-311

UNIT NAME: SALEM 2

DATE: AUGUST 10, 1990

COMPLETED BY: M. MORRONI

TELEPHONE: (609) 339-2068

MONTH JULY 1990

1. Refueling information has changed from last month:

YES X NO 2. Scheduled date for next refueling: November 30, 19913. Scheduled date for restart following refueling: February 9, 1992

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 xIf no, when is it scheduled?: October 1991

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 193b. In Spent Fuel Storage 3168. Present licensed spent fuel storage capacity: 1170Future spent fuel storage capacity: 1170

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

March 2003

RECEIVED
JAN 10 1950

THE
UNITED STATES
DEPARTMENT OF
COMMERCE
WASHINGTON, D. C.

January 10, 1950

1. Enclosed for the Bureau of Customs and Border Protection are two copies of the report of the

2. The report is for the period of January 1, 1949, to January 31, 1949.

3. The report is for the period of January 1, 1949, to January 31, 1949.

4. The report is for the period of January 1, 1949, to January 31, 1949.

Very truly yours,

Director, Bureau of Customs and Border Protection
U. S. Department of Commerce
Washington, D. C.

Enclosed for the Bureau of Customs and Border Protection are two copies of the report of the

2. The report is for the period of January 1, 1949, to January 31, 1949.

3. The report is for the period of January 1, 1949, to January 31, 1949.

4. The report is for the period of January 1, 1949, to January 31, 1949.

5. The report is for the period of January 1, 1949, to January 31, 1949.

6. The report is for the period of January 1, 1949, to January 31, 1949.

7. The report is for the period of January 1, 1949, to January 31, 1949.

8. The report is for the period of January 1, 1949, to January 31, 1949.

Very truly yours,