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STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530
AUTH. NAME AUTHOR AFFILIATION
ECKLUND, B.S. Arizona Public Service Co. (formerly Arizona Nuclear Power
LEVINE, J.M. Arizona Public Service Co. (formerly Arizona Nuclear Power
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Nov 1994 for PVNGS.
W/950111 ltr.

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Standardized plant. 05000530

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Arizona Public Service Company
PALO VERDE NUCLEAR GENERATING STATION
P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

JAMES M. LEVINE
VICE PRESIDENT
NUCLEAR PRODUCTION

443-00089-JML/BSE
January 11, 1995

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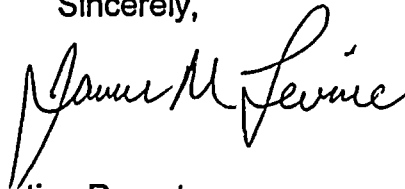
Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Monthly Operating Reports for December 1994
File: 95-024-404; 95-056-026

Enclosed are the Monthly Operating Reports for December 1994, prepared and submitted pursuant to Specification 6.9.1.6 of Appendix A (Technical Specifications) to the PVNGS Units 1, 2, and 3 Operating Licenses. By copy of this letter, Arizona Public Service Company is also forwarding the Monthly Operating Reports to the Regional Administrator, NRC Region IV.

If you have any questions, please contact Brad S. Ecklund at (602) 393-6221.

Sincerely,



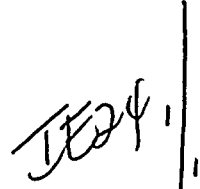
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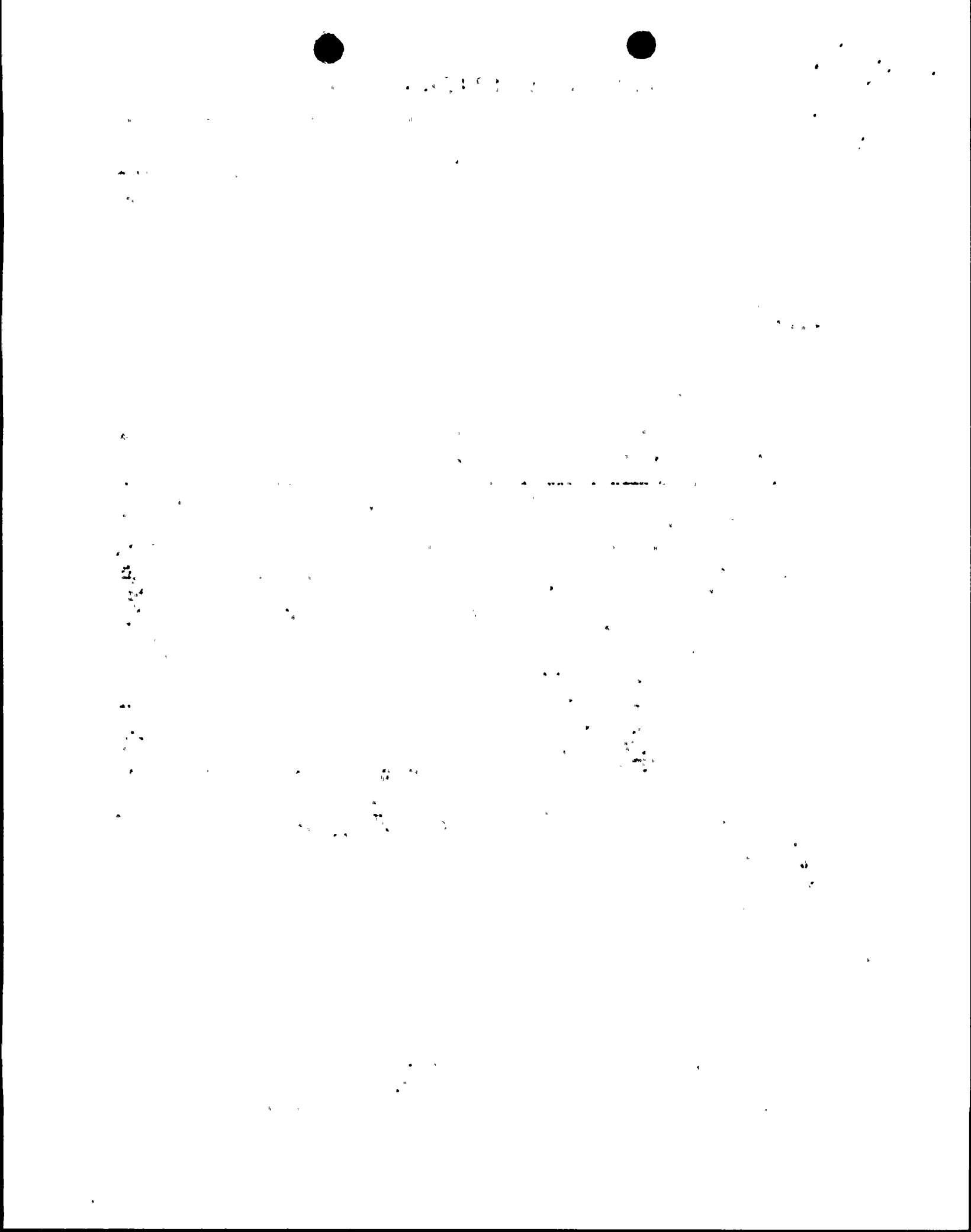
Enclosures: December 1994 Monthly Operating Reports

cc: L. J. Callan (all w/enclosures)
K. E. Perkins
NRC Senior Resident Inspector
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190065

9501230191 941231
PDR ADDCK 05000528
R PDR





NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528
UNIT NAME PVNGS-1
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602) 393-6221

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: December 1994
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7) Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours in Reporting Period	744	8,760	78,240
12.	Hours Reactor was Critical	744.0	8,675.4	50,632.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	8,656.7	49,656.6
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,718,645	30,051,470	179,082,018
17.	Gross Electrical Energy Generated (MWH)	937,200	10,391,900	62,046,500
18.	Net Electrical Energy Generated (MWH)	886,253	9,772,545	58,230,906
19.	Unit Service Factor (%)	100.0%	98.8%	63.5%
20.	Unit Availability Factor (%)	100.0%	98.8%	63.5%
21.	Unit Capacity Factor (Using MDC Net)	97.6%	91.4%	61.0%
22.	Unit Capacity Factor (Using DER Net)	93.8%	87.8%	58.6%
23.	Unit Forced Outage Rate (%)	0.0%	1.2%	13.6%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Refueling outage scheduled to begin 4/1/95 with a 70 day duration.
25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast
05/85
06/85
11/85

Achieved
05/25/85
06/10/85
01/28/86

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-528
UNIT NAME PVNGS-1
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602) 393-6221

MONTH: December 1994

DAY AVERAGE DAILY POWER LEVEL

1	313
2	1027
3	1223
4	1223
5	1220
6	1218
7	1219
8	1221
9	1222
10	1223
11	1223
12	1222
13	1223
14	1220
15	1221
16	1222

DAY AVERAGE DAILY POWER LEVEL

17	1220
18	1222
19	1232
20	1247
21	1248
22	1246
23	1241
24	1243
25	1244
26	1245
27	1244
28	1245
29	1245
30	1246
31	1243



1944

1944

1

2

3

4

5

6

7

8

REFUELING INFORMATION

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>01/10/95</u>
COMPLETED BY	<u>B. S. Ecklund</u>
TELEPHONE	<u>(602) 393-6221</u>

1. **Scheduled date for next refueling shutdown.**

The 5th refueling outage is tentatively scheduled for 04/01/95.

2. **Scheduled date for restart following refueling.**

06/10/95.

3. **Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?**

No

4. **Scheduled date for submitting proposed licensing action and supporting information.**

12/28/94

5. **Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.**

The fuel assembly will utilize Erbium as a burnable absorber (as was done for Units 2 and 3).

6. **The number of fuel assemblies.**

- a) In the core. 241
b) In the spent fuel storage pool. 368

7. **Licensed spent fuel storage capacity. 1329**

Intended change in spent fuel storage capacity. None

8. **Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.**

2005 (18 Month reloads and full core discharge capability).



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. 84

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

| | |
|--------------|-----------------------|
| DOCKET NO. | <u>50-528</u> |
| UNIT NAME | <u>PVNGS-1</u> |
| DATE | <u>01/10/85</u> |
| COMPLETED BY | <u>B. S. Ecklund</u> |
| TELEPHONE | <u>(602) 393-6221</u> |

December 1994

| | | |
|-------|------|--|
| 12/01 | 0000 | Unit began the month in Mode 1 with power ascension in progress. |
| 12/02 | 1511 | Stabilized reactor power at 98%. |
| 12/14 | 0126 | Unit experienced 25 to 80 MWe swings in load due to grid disturbance caused by a fire near Bakersfield, California. |
| 12/19 | 1919 | Raised reactor power to 100% upon receiving Amendment #87 to the Unit 1 License allowing operation at 100% for the remainder of the fuel cycle with the two MSSV's out of service. |
| 12/30 | 0048 | Performed a 1% power reduction to 99% as required to perform HI Rate Steam Generator Blow Down. |
| 12/30 | 0358 | Raised Rx power to 100%. |
| 12/31 | 1025 | Reduced power to 99% for ADV Testing. |
| 12/31 | 1339 | Raised Rx power to 100%. |
| 12/31 | 2400 | Ended month in Mode 1 at 100% power. |

SHUTDOWNS AND POWER REDUCTIONS
December 1994

DOCKET NO 50-528
UNIT NAME PVNGS-1
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602)393-6221

| No. | Date | Type ¹ | Outage
Duration
Hours | Reason ² | Method of
Shutting Down
Reactor ³ | LER No. | System
Code ⁴ | Component
Code ⁵ | Cause and Corrective Action
to Prevent Occurrence |
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|

No reactor shutdowns or significant power reductions occurred during the month of December, 1994.

¹F-Forced
S-Scheduled

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

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the
Past 24 Hours
9-Other-(Explain)

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

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-529
UNIT NAME PVNGS-2
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602) 393-6221

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: December 1994
3. Licensed Thermal Power (MWT): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

| | Unit 2 Generating Statistics | This Month | Yr. to Date | Cumulative |
|-----|---|------------|-------------|-------------|
| 11. | Hours in Reporting Period | 744 | 8,760 | 72,624 |
| 12. | Hours Reactor was Critical | 744.0 | 6,103.2 | 50,651.7 |
| 13. | Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. | Hours Generator was On-Line | 744.0 | 5,921.0 | 49,600.9 |
| 15. | Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. | Gross Thermal Energy Generated (MWH) | 2,817,816 | 20,409,662 | 180,243,907 |
| 17. | Gross Electrical Energy Generated (MWH) | 974,700 | 7,068,500 | 62,731,470 |
| 18. | Net Electrical Energy Generated (MWH) | 917,052 | 6,573,861 | 58,693,895 |
| 19. | Unit Service Factor (%) | 100.0% | 67.6% | 68.3% |
| 20. | Unit Availability Factor (%) | 100.0% | 67.6% | 68.3% |
| 21. | Unit Capacity Factor (Using MDC Net) | 100.9% | 61.5% | 66.2% |
| 22. | Unit Capacity Factor (Using DER Net) | 97.1% | 59.1% | 63.6% |
| 23. | Unit Forced Outage Rate (%) | 0.0% | 5.4% | 6.0% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Refueling outage
scheduled to begin 2/4/95 with a 60 day duration.
25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

| | | |
|----------------------|--------------|-----------------|
| INITIAL CRITICALITY | Forecast | Achieved |
| INITIAL ELECTRICITY | <u>03/86</u> | <u>04/18/86</u> |
| COMMERCIAL OPERATION | <u>06/86</u> | <u>05/20/86</u> |
| | <u>11/86</u> | <u>09/19/86</u> |

100

100

100

100

100

100

100

100

100

AVERAGE DAILY UNIT POWER LEVEL

| | |
|--------------|----------------|
| DOCKET NO. | 50-529 |
| UNIT NAME | PVNGS-2 |
| DATE | 01/10/95 |
| COMPLETED BY | B. S. Ecklund |
| TELEPHONE | (602) 393-6221 |

MONTH: December 1994

| DAY | AVERAGE DAILY POWER LEVEL |
|-----|---------------------------|
| 1 | 1243 |
| 2 | 1241 |
| 3 | 1235 |
| 4 | 1240 |
| 5 | 1236 |
| 6 | 1226 |
| 7 | 1227 |
| 8 | 1228 |
| 9 | 1234 |
| 10 | 1239 |
| 11 | 1240 |
| 12 | 1237 |
| 13 | 1237 |
| 14 | 1237 |
| 15 | 1233 |
| 16 | 1232 |

| DAY | AVERAGE DAILY POWER LEVEL |
|-----|---------------------------|
| 17 | 1229 |
| 18 | 1243 |
| 19 | 1242 |
| 20 | 1240 |
| 21 | 1243 |
| 22 | 1241 |
| 23 | 1236 |
| 24 | 1236 |
| 25 | 1238 |
| 26 | 1240 |
| 27 | 1239 |
| 28 | 1240 |
| 29 | 1238 |
| 30 | 1240 |
| 31 | 1238 |



REFUELING INFORMATION

| | |
|--------------|-----------------------|
| DOCKET NO. | <u>50-529</u> |
| UNIT NAME | <u>PVNGS-2</u> |
| DATE | <u>01/10/95</u> |
| COMPLETED BY | <u>B. S. Ecklund</u> |
| TELEPHONE | <u>(602) 393-6221</u> |

1. **Scheduled date for next refueling shutdown.**

The 5th refueling outage is scheduled for 02/04/95.

2. **Scheduled date for restart following refueling.**

04/05/95.

3. **Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?**

- a. Technical Specification 3.9.6 will be changed to raise the overload cutoff limit to accommodate the new fuel assembly modification.
- b. Technical Specification 3.4.2.1 will be modified to lower the PSV lift setting from 2500 psia to 2475 psia.
- c. Technical Specification change to Note 5 of Table 4.3-1 for the proposed installation of a cycle independent shape annealing matrix.

4. **Scheduled date for submitting proposed licensing action and supporting information.**

10/27/94.

5. **Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.**

The fuel assembly will consist of a denser fuel pellet, Erbium burnable absorber and guardian grid. A primary temperature drop of 10° F is currently planned.

6. **The number of fuel assemblies.**

- a) In the core. 241
- b) In the spent fuel storage pool. 384

7. **Licensed spent fuel storage capacity. 1329**

Intended change in spent fuel storage capacity. None

8. **Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.**

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

| | |
|--------------|-----------------------|
| DOCKET NO. | <u>50-529</u> |
| UNIT NAME | <u>PVNGS-2</u> |
| DATE | <u>01/10/95</u> |
| COMPLETED BY | <u>B. S. Ecklund</u> |
| TELEPHONE | <u>(602) 393-6221</u> |

December 1994

| | | |
|-------|------|---|
| 12/01 | 0000 | Unit began the month in Mode 1 at 100% power. |
| 12/02 | 2305 | Performed a 1% power reduction to 99% as required to perform HI Rate Steam Generator Blow Down. |
| 12/03 | 0102 | Increased Rx power to 100%. |
| 12/03 | 1150 | Rx is at 98.5% power and stable for ADV/SBCS Testing. |
| 12/03 | 1545 | Unit returned to 100% power. |
| 12/04 | 1312 | Commenced power reduction to 99% for SBCV-1001 Testing. |
| 12/04 | 1343 | Restored power to 100%. |
| 12/14 | 0134 | Reduced Rx power due to Unit experiencing grid disturbance caused by a fire near Bakersfield, California. |
| 12/14 | 0303 | Rx power at 100%. |
| 12/17 | 1249 | Commenced power reduction to 95% for Feedwater Flow Test. |
| 12/17 | 1400 | Stopped power reduction at 95%. |
| 12/17 | 1740 | Commenced power increase to 100% |
| 12/17 | 2035 | Rx power is at 100%. |
| 12/23 | 2317 | Performed a 1% power reduction to 99% as required to perform HI Rate Steam Generator Blow Down. |
| 12/24 | 0152 | Restored Rx power to 100% |
| 12/31 | 2400 | Ended month in Mode 1 with unit at 100% power. |



SHUTDOWNS AND POWER REDUCTIONS
December 1994

DOCKET NO 50-529
UNIT NAME PVNGS-2
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602)393-6221

| No. | Date | Type ¹ | Outage
Duration
Hours | Reason ² | Method of
Shutting Down
Reactor ³ | LER No. | System
Code ⁴ | Component
Code ⁵ | Cause and Corrective Action
to Prevent Occurrence |
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|

No reactor shutdowns or significant power reductions occurred during the month of December, 1994.

¹F-Forced
S-Scheduled

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

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the
Past 24 Hours
9-Other-(Explain)

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

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602) 393-6221

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: December 1994
3. Licensed Thermal Power (MWT): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

| | Unit 3 Generating Statistics | This Month | Yr. to Date | Cumulative |
|-----|---|------------|-------------|-------------|
| 11. | Hours in Reporting Period | 744 | 8,760 | 61,200 |
| 12. | Hours Reactor was Critical | 348.0 | 5,998.1 | 45,014.0 |
| 13. | Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. | Hours Generator was On-Line | 337.5 | 5,923.4 | 44,347.5 |
| 15. | Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. | Gross Thermal Energy Generated (MWH) | 1,224,032 | 21,105,673 | 161,776,933 |
| 17. | Gross Electrical Energy Generated (MWH) | 424,400 | 7,309,800 | 56,531,700 |
| 18. | Net Electrical Energy Generated (MWH) | 392,445 | 6,824,486 | 53,122,707 |
| 19. | Unit Service Factor (%) | 45.4% | 67.6% | 72.5% |
| 20. | Unit Availability Factor (%) | 45.4% | 67.6% | 72.5% |
| 21. | Unit Capacity Factor (Using MDC Net) | 43.2% | 63.8% | 71.1% |
| 22. | Unit Capacity Factor (Using DER Net) | 41.5% | 61.3% | 68.3% |
| 23. | Unit Forced Outage Rate (%) | 0.0% | 1.2% | 6.2% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): N/A

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

| | | |
|----------------------|--------------|-----------------|
| INITIAL CRITICALITY | Forecast | Achieved |
| INITIAL ELECTRICITY | <u>07/87</u> | <u>10/25/87</u> |
| COMMERCIAL OPERATION | <u>07/87</u> | <u>11/28/87</u> |
| | <u>09/87</u> | <u>01/08/88</u> |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602) 393-6221

MONTH: December 1994

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|-----|---------------------------|-----|---------------------------|
| 1 | 0 | 17 | 8 |
| 2 | 0 | 18 | 475 |
| 3 | 0 | 19 | 1190 |
| 4 | 0 | 20 | 1258 |
| 5 | 0 | 21 | 1258 |
| 6 | 0 | 22 | 1259 |
| 7 | 0 | 23 | 1256 |
| 8 | 0 | 24 | 1256 |
| 9 | 0 | 25 | 1255 |
| 10 | 0 | 26 | 1258 |
| 11 | 0 | 27 | 1259 |
| 12 | 0 | 28 | 1259 |
| 13 | 0 | 29 | 1259 |
| 14 | 0 | 30 | 1261 |
| 15 | 0 | 31 | 1260 |
| 16 | 0 | | |

REFUELING INFORMATION

| | |
|--------------|-----------------------|
| DOCKET NO. | <u>50-530</u> |
| UNIT NAME | <u>PVNGS-3</u> |
| DATE | <u>01/10/95</u> |
| COMPLETED BY | <u>B. S. Ecklund</u> |
| TELEPHONE | <u>(602) 393-6221</u> |

1. **Scheduled date for next refueling shutdown.**
10/14/95 5th refueling.
2. **Scheduled date for restart following refueling.**
12/23/95.
3. **Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?**
To be determined.
4. **Scheduled date for submitting proposed licensing action and supporting information.**
June 1995, if required.
5. **Important Licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures.**
None.
6. **The number of fuel assemblies.**
a) In the core. 241
b) In the spent fuel storage pool. 380
7. **Licensed spent fuel storage capacity. 1329**
Intended change in spent fuel storage capacity. None
8. **Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.**
2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

| | |
|--------------|----------------|
| DOCKET NO. | 50-530 |
| UNIT NAME | PVNGS-3 |
| DATE | 01/10/95 |
| COMPLETED BY | B. S. Ecklund |
| TELEPHONE | (602) 393-6221 |

December 1994

| | | |
|-------|------|---|
| 12/01 | 0000 | Began the month with unit in Mode 5, Steam Generator mid-cycle outage. |
| 12/15 | 1328 | Unit entered Mode 4. |
| 12/16 | 0110 | Entered Mode 3. |
| 12/17 | 1011 | Entered Mode 2. |
| 12/17 | 1159 | Reactor is critical. |
| 12/17 | 1626 | Entered Mode 1. |
| 12/17 | 2231 | Main Turbine synchronized to the grid. |
| 12/17 | 2327 | Commenced raising Rx power to pass thru swapover. |
| 12/18 | 0322 | Commenced power increase from 19%. |
| 12/18 | 0514 | Secured power increase at 38%. |
| 12/18 | 1147 | Commenced power increase from 39%. |
| 12/18 | 1520 | Commenced power increase to 70% from 49.2%. |
| 12/18 | 2303 | Commenced increasing power, current power is at 65%. |
| 12/19 | 0222 | Stopped power increase at 90%. |
| 12/19 | 0605 | Commenced power increase to 95%. |
| 12/19 | 0715 | Secured Rx power increase at 95%. |
| 12/19 | 1050 | Commenced Rx power increase to 100%. |
| 12/19 | 1154 | Rx is at 100%. |
| 12/25 | 0119 | Performed a 1% power reduction to 99% as required to perform HI Rate Steam Generator Blow Down. |
| 12/25 | 0139 | Rx power is at 99%. |
| 12/25 | 0338 | Commenced power increase from 99% to 100%. |
| 12/31 | 2400 | Ended month in Mode 1 @ 100% power. |

SHUTDOWNS AND POWER REDUCTIONS
December 1994

DOCKET NO 50-530
UNIT NAME PVNGS-3
DATE 01/10/95
COMPLETED BY B. S. Ecklund
TELEPHONE (602)393-6221

| No. | Date | Type ¹ | Outage
Duration
Hours | Reason ² | Method of
Shutting Down
Reactor ³ | LER No. | System
Code ⁴ | Component
Code ⁵ | Cause and Corrective Action
to Prevent Occurrence |
|-------|----------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
| 94-04 | 11/26/94 | S | 406.5 | B | 2 | N/A | N/A | N/A | Continuation of planned mid-cycle outage for SG tube eddy current inspection |

¹F-Forced
S-Scheduled

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

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from Previous Month
5-Reduction of 20% or Greater in the
Past 24 Hours
9-Other-(Explain)

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

⁵Exhibit H-Same Source

