

REGULATORY INFORMATION DISTRIBUTION SYSTEM (GRIDS)

ACCESSION NBR: 8203230290 DOC. DATE: 82/03/15 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000251  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHOR AFFILIATION  
 UHRIG, R.E. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 EISENHUT, D.G. Division of Licensing

SUBJECT: Informs of current progress status in implementing  
 NUREG-0737 requirements, Items II.B1 & II.F.1.

DISTRIBUTION CODE: A046S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: Response to NUREG-0737/NUREG-0660 TMI Action Plan Rgmts (OL's)

NOTES:

|           | RECIPIENT<br>ID CODE/NAME | COPIES |      | RECIPIENT<br>ID CODE/NAME | COPIES |      |
|-----------|---------------------------|--------|------|---------------------------|--------|------|
|           |                           | LTTR   | ENCL |                           | LTTR   | ENCL |
|           | ORB #1 BC 01              | 7      | 7    |                           |        |      |
| INTERNAL: | ELD                       | 1      | 0    | IE                        | 12     | 1    |
|           | IE/DEP DIR 33             | 1      | 1    | IE/DEP/EPDB               |        | 1    |
|           | IE/DEP/EPLB               | 3      | 3    | NRR/DE DIR 21             | 1      | 1    |
|           | NRR/DE/ADCSE 22           | 1      | 1    | NRR/DE/ADMGE 23           | 1      | 1    |
|           | NRR/DE/ADSA 17            | 1      | 1    | NRR/DHFS DIR 28           | 1      | 1    |
|           | NRR/DHFS/DEPY29           | 1      | 1    | NRR/DL DIR 14             | 1      | 1    |
|           | NRR/DL/ADL 16             | 1      | 1    | NRR/DL/ADOR 15            | 1      | 1    |
|           | NRR/DL/ORAB 18            | 3      | 3    | NRR/DSI ADRS 27           | 1      | 1    |
|           | NRR/DSI DIR 24            | 1      | 1    | NRR/DSI/ADGP 31           | 1      | 1    |
|           | NRR/DSI/ADPS 25           | 1      | 1    | NRR/DSI/ADRP 26           | 1      | 1    |
|           | NRR/DSI/AEB               | 1      | 1    | NRR/DSI/ETSB              | 1      | 1    |
|           | NRR/DSI/RAB               | 1      | 1    | NRR/DST DIR 30            | 1      | 1    |
|           | NRR/DST/ADT 32            | 1      | 1    | REG FILE 04               | 1      | 1    |
|           | RGN2                      | 1      | 1    |                           |        |      |
| EXTERNAL: | ACRS 34                   | 10     | 10   | FEMA-REP DIV              | 1      | 1    |
|           | INPO, J. STARNES          | 1      | 1    | LPDR 03                   | 1      | 1    |
|           | NRC PDR 02                | 1      | 1    | NSIC 05                   | 1      | 1    |
|           | NTIS                      | 1      | 1    |                           |        |      |

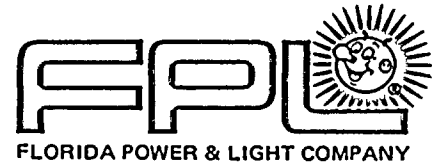
TOTAL NUMBER OF COPIES REQUIRED: LTTR 54 ENCL 53

This is to certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the Department of the Interior, Bureau of Land Management, at Washington, D.C.

Special Agent in Charge, Bureau of Land Management, Washington, D.C.

Date: \_\_\_\_\_

| Page | No. | Description | Page | No. | Description |
|------|-----|-------------|------|-----|-------------|
|      |     |             |      |     |             |
| 1    | 1   | 10          | 1    | 1   | 10          |
| 2    | 1   | 11          | 1    | 1   | 11          |
| 3    | 1   | 12          | 1    | 1   | 12          |
| 4    | 1   | 13          | 1    | 1   | 13          |
| 5    | 1   | 14          | 1    | 1   | 14          |
| 6    | 1   | 15          | 1    | 1   | 15          |
| 7    | 1   | 16          | 1    | 1   | 16          |
| 8    | 1   | 17          | 1    | 1   | 17          |
| 9    | 1   | 18          | 1    | 1   | 18          |
| 10   | 1   | 19          | 1    | 1   | 19          |
| 11   | 1   | 20          | 1    | 1   | 20          |
| 12   | 1   | 21          | 1    | 1   | 21          |
| 13   | 1   | 22          | 1    | 1   | 22          |
| 14   | 1   | 23          | 1    | 1   | 23          |
| 15   | 1   | 24          | 1    | 1   | 24          |
| 16   | 1   | 25          | 1    | 1   | 25          |
| 17   | 1   | 26          | 1    | 1   | 26          |
| 18   | 1   | 27          | 1    | 1   | 27          |
| 19   | 1   | 28          | 1    | 1   | 28          |
| 20   | 1   | 29          | 1    | 1   | 29          |
| 21   | 1   | 30          | 1    | 1   | 30          |
| 22   | 1   | 31          | 1    | 1   | 31          |
| 23   | 1   | 32          | 1    | 1   | 32          |
| 24   | 1   | 33          | 1    | 1   | 33          |
| 25   | 1   | 34          | 1    | 1   | 34          |
| 26   | 1   | 35          | 1    | 1   | 35          |
| 27   | 1   | 36          | 1    | 1   | 36          |
| 28   | 1   | 37          | 1    | 1   | 37          |
| 29   | 1   | 38          | 1    | 1   | 38          |
| 30   | 1   | 39          | 1    | 1   | 39          |
| 31   | 1   | 40          | 1    | 1   | 40          |
| 32   | 1   | 41          | 1    | 1   | 41          |
| 33   | 1   | 42          | 1    | 1   | 42          |
| 34   | 1   | 43          | 1    | 1   | 43          |
| 35   | 1   | 44          | 1    | 1   | 44          |
| 36   | 1   | 45          | 1    | 1   | 45          |
| 37   | 1   | 46          | 1    | 1   | 46          |
| 38   | 1   | 47          | 1    | 1   | 47          |
| 39   | 1   | 48          | 1    | 1   | 48          |
| 40   | 1   | 49          | 1    | 1   | 49          |
| 41   | 1   | 50          | 1    | 1   | 50          |
| 42   | 1   | 51          | 1    | 1   | 51          |
| 43   | 1   | 52          | 1    | 1   | 52          |
| 44   | 1   | 53          | 1    | 1   | 53          |
| 45   | 1   | 54          | 1    | 1   | 54          |
| 46   | 1   | 55          | 1    | 1   | 55          |
| 47   | 1   | 56          | 1    | 1   | 56          |
| 48   | 1   | 57          | 1    | 1   | 57          |
| 49   | 1   | 58          | 1    | 1   | 58          |
| 50   | 1   | 59          | 1    | 1   | 59          |
| 51   | 1   | 60          | 1    | 1   | 60          |
| 52   | 1   | 61          | 1    | 1   | 61          |
| 53   | 1   | 62          | 1    | 1   | 62          |
| 54   | 1   | 63          | 1    | 1   | 63          |
| 55   | 1   | 64          | 1    | 1   | 64          |
| 56   | 1   | 65          | 1    | 1   | 65          |
| 57   | 1   | 66          | 1    | 1   | 66          |
| 58   | 1   | 67          | 1    | 1   | 67          |
| 59   | 1   | 68          | 1    | 1   | 68          |
| 60   | 1   | 69          | 1    | 1   | 69          |
| 61   | 1   | 70          | 1    | 1   | 70          |
| 62   | 1   | 71          | 1    | 1   | 71          |
| 63   | 1   | 72          | 1    | 1   | 72          |
| 64   | 1   | 73          | 1    | 1   | 73          |
| 65   | 1   | 74          | 1    | 1   | 74          |
| 66   | 1   | 75          | 1    | 1   | 75          |
| 67   | 1   | 76          | 1    | 1   | 76          |
| 68   | 1   | 77          | 1    | 1   | 77          |
| 69   | 1   | 78          | 1    | 1   | 78          |
| 70   | 1   | 79          | 1    | 1   | 79          |
| 71   | 1   | 80          | 1    | 1   | 80          |
| 72   | 1   | 81          | 1    | 1   | 81          |
| 73   | 1   | 82          | 1    | 1   | 82          |
| 74   | 1   | 83          | 1    | 1   | 83          |
| 75   | 1   | 84          | 1    | 1   | 84          |
| 76   | 1   | 85          | 1    | 1   | 85          |
| 77   | 1   | 86          | 1    | 1   | 86          |
| 78   | 1   | 87          | 1    | 1   | 87          |
| 79   | 1   | 88          | 1    | 1   | 88          |
| 80   | 1   | 89          | 1    | 1   | 89          |
| 81   | 1   | 90          | 1    | 1   | 90          |
| 82   | 1   | 91          | 1    | 1   | 91          |
| 83   | 1   | 92          | 1    | 1   | 92          |
| 84   | 1   | 93          | 1    | 1   | 93          |
| 85   | 1   | 94          | 1    | 1   | 94          |
| 86   | 1   | 95          | 1    | 1   | 95          |
| 87   | 1   | 96          | 1    | 1   | 96          |
| 88   | 1   | 97          | 1    | 1   | 97          |
| 89   | 1   | 98          | 1    | 1   | 98          |
| 90   | 1   | 99          | 1    | 1   | 99          |
| 91   | 1   | 100         | 1    | 1   | 100         |

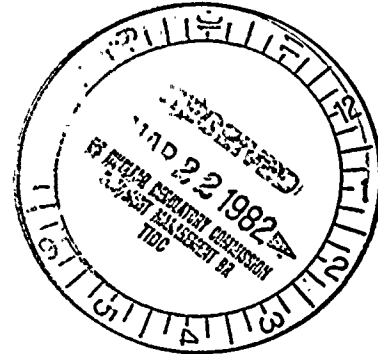


March 15, 1982  
L-82-93

Office of Nuclear Reactor Regulation  
Attention: Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: Turkey Point Units 3 & 4  
Docket No. 50-250 & 50-251  
POST-TMI REQUIREMENTS



The purpose of this letter is to inform you of the status of our progress in implementing the requirement NUREG-0737 Items II.B.1 and II.F.1. The attachment to this letter contains the current status on these items.

Very truly yours,

A handwritten signature in cursive script, reading "Robert E. Uhrig".

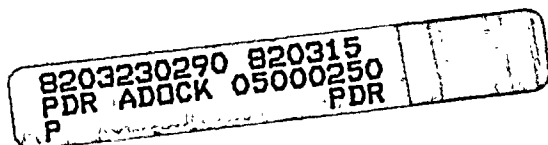
Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU/PKG/cab

Attachments

cc: Mr. James P. O'Reilly, Region II  
Mr. Harold F. Reis, Esquire

A046  
5  
1/1





ATTACHMENT

Re: Turkey Point Units 3 & 4  
Docket No. 50-250 & 50-251  
Post TMI Requirements

1. REACTOR COOLANT SYSTEM VENTS (II.B.1)

In our letter L-82-5 dated January 7, 1982, we stated that we intended to submit a set of operating procedures to you by March 1, 1982. We have recently received a letter from Mr. Steven A. Varga dated February 24, 1982 which requested additional information concerning the Reactor Coolant System Vents. Item 7 of the enclosure to that letter specifically requested that FPL submit "operating guidelines" for use of the system. We are reviewing the content Mr. Varga's letter and are scheduling the submittal of our "operating guidelines" in accordance with the date requested in his letter.

2. ADDITIONAL ACCIDENT - MONITORING INSTRUMENTATION (II.F.1)

A. Technical Specifications

In our January 7, 1982 letter, we addressed the scheduled submittals of our proposed technical specifications for the accident monitoring instrumentation to be installed by the requirements of NUREG-0737 Items II.F.1.1 through II.F.1.6. Some of the items had specific submittal dates for the proposed technical specifications and others were to be provided following the installation of the monitors. Rather than submit the technical specifications, one or two at a time in a piecemeal fashion, it is our intent to submit them all at once following the complete installation and determination of OPERABILITY of all the monitors. Proposed Technical Specifications for the monitors specified in items II.F.1.3 through II.F.1.6 have already been approved by the Plant Nuclear Safety Committee. The Company Nuclear Review Board must yet review and approve them for submittal. It is our opinion that a single Technical Specification submittal of all item II.F.1 monitors will be more efficient and will eliminate repetitive reviews by both your staff and ours.

B. NOBLE GAS MONITORS/IODINE, PARTICULATE SAMPLING (II.F.1.1 AND II.F.1.2)

All five of the effluent monitors are completely installed and operable. Each has been tested and calibrated. It is our intent to have operating procedures written by April 30, 1982. As previously stated in our letter (L-82-5) dated January 7, 1982, the plant vent effluent monitor may require additional modifications to provide isokinetic sampling. Any needed modifications will be scheduled when the extent of the modifications, if any, are known.

[illegible]

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.

1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator, who is usually a member of the research team. The investigator will identify the problem by looking at the data and trying to find out what is going on.

2. The second step is to define the problem. This is done by the investigator, who will define the problem in terms of the research question. The research question is a statement that describes the problem and what the investigator wants to know about it.

3. The third step is to design the study. This is done by the investigator, who will design the study in terms of the research question. The study design is a plan that describes how the investigator will collect and analyze the data.

4. The fourth step is to collect the data. This is done by the investigator, who will collect the data in terms of the research question. The data collection is the process of gathering information about the problem.

5. The fifth step is to analyze the data. This is done by the investigator, who will analyze the data in terms of the research question. The data analysis is the process of looking at the data and trying to find out what it means.

6. The sixth step is to interpret the results. This is done by the investigator, who will interpret the results in terms of the research question. The interpretation is the process of looking at the results and trying to find out what they mean.

7. The seventh step is to write the report. This is done by the investigator, who will write the report in terms of the research question. The report is a document that describes the results of the investigation.

8. The eighth step is to present the results. This is done by the investigator, who will present the results in terms of the research question. The presentation is the process of showing the results to other people.

9. The ninth step is to discuss the results. This is done by the investigator, who will discuss the results in terms of the research question. The discussion is the process of talking about the results with other people.

10. The tenth step is to conclude the investigation. This is done by the investigator, who will conclude the investigation in terms of the research question. The conclusion is the final step in the process of the investigation.

[illegible][illegible][illegible]

1. The first group of students, consisting of 10 students, was assigned to the first group. The second group, consisting of 10 students, was assigned to the second group. The third group, consisting of 10 students, was assigned to the third group. The fourth group, consisting of 10 students, was assigned to the fourth group. The fifth group, consisting of 10 students, was assigned to the fifth group. The sixth group, consisting of 10 students, was assigned to the sixth group. The seventh group, consisting of 10 students, was assigned to the seventh group. The eighth group, consisting of 10 students, was assigned to the eighth group. The ninth group, consisting of 10 students, was assigned to the ninth group. The tenth group, consisting of 10 students, was assigned to the tenth group.

[illegible]

C. CONTAINMENT HIGH RANGE RADIATION MONITOR (II.F.1.3)

In our January 7, 1982 letter we stated that the monitors had been installed in Unit 4. The system was completed and startup testing initiated on December 18, 1982. Equipment problems which occurred during startup testing prevented the Unit 4 system from being made completely operable until January 17, 1982. It was also stated that the system would be installed in Unit 3 prior to the startup from the steam generator repair outage. It was recently discovered that one of the two redundant SIGMA indicators to be mounted in the control room was defective. The indicator was sent back to the vendor. It is expected to be returned to the plant within six weeks. It is our intent that one train of the system will be completely operable by the Unit 3 startup and the redundant train will be made operable as soon as the repaired or replaced indicator is returned and installed.

Due to misinterpretation of the calibration requirements of NUREG-0737, Item II.F.1.3, the in situ calibration for at least one decade below 10 R/hr by means of a calibrated radiation source was not made. The system was checked for source indication using a lower strength source. In situ calibration by electronic signal substitution was made for the higher ranges of the monitor. A calibrated radiation source will be used to complete the calibration of the monitors in accordance with the requirements of Item II.F.1.3. Both channels of Unit 3 will have their calibration completed prior to startup from the current steam generator repair outage. The calibration of one channel of the Unit 4 system will be completed prior to April 1, 1982. The redundant Unit 4 monitor, which is not accessible during plant operation, will have its calibration completed during the next Unit 4 outage currently scheduled to begin on May 30, 1982.

D. CONTAINMENT PRESSURE MONITOR (II.F.1.4)

In our January 7, 1982 letter, we stated our intent to install the wide range portion (0-180 psig) of the Unit 3 containment pressure monitor prior to the startup from the steam generator repair outage. It was recently discovered that both redundant SIGMA indicators to be mounted in the control room were defective. The indicators have been sent back to the vendor. It is currently scheduled that the indicators will be returned to the plant within six weeks. The repaired or replaced indicator will be installed following receipt from the vendor. As previously stated, the installation of the vacuum portion of the system for both Units 3 and 4 will be completed as soon as possible following receipt from the vendor.





E. CONTAINMENT WATER LEVEL MONITOR (II.F. 1.5)

As in the case of the containment pressure monitors discussed above, we will not be able to complete the installation of the Unit 3 Containment Water Level Monitors by the startup from the current steam generator repair outage because of defective SIGMA indicators in both trains. The indicators will be installed following receipt from the vendor.

F. CONTAINMENT HYDROGEN MONITORS (II.F.1.6)

As stated in our letter of January 7, 1982, the Containment Hydrogen Monitors have been partially installed in both Turkey Point Units 3 and 4. Portions of the system are tied in with the Post - accident Sampling System (item II.B.3) which has caused delays in construction. The balance of the system to be installed is not outage related and will be done as soon as possible. We will provide you with an update on April 30, 1982 on our progress for making the system completely operational.

The status of the installation of the heat tracing of the sample lines has not changed.

