

August 25, 1986

Docket No. 50-250
and 50-251

Mr. C. O. Woody
Group Vice President
Nuclear Energy Department
Florida Power and Light
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Dear Mr. Woody:

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Subject: Exemption Relating to the Submittal of the Surveillance Summary Report for Turkey Point Plant, Units 3 and 4

Reference: TAC Nos. 61417 and 61418

The Commission has issued the enclosed Exemption from the requirements of 10 CFR Part 50, Appendix H, Section III.A., concerning the provision requiring licensees to submit a summary technical report of the analysis of the materials surveillance capsule(s) within one year of the reactor withdrawal date. The Exemption provides that Florida Power and Light Company may submit the summary technical report of the materials in surveillance capsule "V" on or before September 1, 1986, which adds approximately six months to the one year specified in Section III.A. of Appendix H.

A copy of the Exemption is being forwarded to the Office of the Federal Register for publication. A copy of the Notice of Environmental Assessment and Findings of No Significant Impact was published in the Federal Register (51 FR 30276) on August 25, 1986

Sincerely,

Daniel G. McDonald, Project Manager
PWR Project Directorate #2
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation

Enclosure:
Exemption

cc w/enclosure:
See next page

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Handwritten note: Hfy up noted revisions publish EA def issuance

Mr. C. O. Woody
Florida Power and Light Company

Turkey Point Plant

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

FLORIDA POWER AND LIGHT COMPANY

(Turkey Point Plant,
Unit Nos. 3 and 4)

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Docket Nos. 50-250
and 50-251

EXEMPTION

I.

Florida Power and Light Company (the licensee) is the holder of Facility Operating License Nos. DPR-31 and DPR-41 which authorizes the operation of the Turkey Point Plant, Unit Nos. 3 and 4 (the facilities) at steady-state power levels not in excess of 2200 megawatts thermal. The facilities are pressurized water reactors (PWRs) located at the licensee's site in Dade County, Florida.

II.

10 CFR 50, Appendix H, Section III.A, requires that a summary technical report be submitted to the Director, Office of Nuclear Reactor Regulation, (NRR) as specified in §50.4(a) of this part, within one year after capsule withdrawal unless an extension is granted by the Director. The Director, NRR, has delegated the authority to grant such extensions to the Division Director.

The licensee's letter of April 30, 1986, requested an extension be granted for the submittal of the summary technical report dealing with the analysis and testing of the materials in surveillance capsule "V" from Turkey Point

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Unit 3. The withdrawal date was indicated to be in late April 1985. In response to the NRC staff's request for the specific date, the licensee indicated that capsule "V" was withdrawn from the Unit 3 reactor vessel on March 16, 1985. Since the April 30, 1986, request exceeded one year after withdrawal of the capsule, the request for an extension was not timely and could not be granted.

By letter dated July 11, 1986, the licensee indicated that ex-vessel dosimetry was installed in the April 1985 time frame referenced in their letter requesting an extension for submitting the summary technical report. The date of the dosimetry activity, which is an adjunct part of the licensee's surveillance program, was confused with the capsule "V" removal date and resulted in the untimely request for an extension. Since an extension could not be granted, the licensee requested an Exemption pursuant to 10 CFR 50.12 from the one year requirement specified in 10 CFR 50, Appendix H, Section III.A., for submittal of the capsule "V" summary technical report. The request is for a submittal on or before September 1, 1986, which is an extension of the one year requirement by approximately six months.

III.

The surveillance capsule "V" was removed from the reactor vessel during the refueling of Unit 3 and placed in the spent fuel pool. The Turkey Point Technical Specifications require that all the spent fuel in the pool decay for at least 1500 hours before a shipping cask can be moved into the area. The analysis and testing of the materials in the surveillance capsule "V" were contracted to Southwest Research, Inc. (SWRI). The capsule was placed in a shipping cask and sent to SWRI on June 25, 1985. The request for the delay in submitting the summary technical report is due to the death of the SWRI project manager who was responsible for the capsule "V" analysis and tests.

The purpose of the reactor vessel material surveillance program is to monitor the effects of neutron irradiation damage and the thermal environment on the reactor vessel beltline material integrity. The timely analysis of the materials in the surveillance capsule(s) serves to determine the safety margin of the beltline material associated with the pressure temperature limits as required by Appendix G of 10 CFR Part 50. Amendment numbers 56 and 48 dated March 21, 1980, to the facility operating licenses for Units 3 and 4, respectively, allowed the existing pressure-temperature limits to be effective for the first 10 Effective Full Power Years (EFPY) of operation for both units. As of May 31, 1986, exposure for the Unit 3 reactor vessel is 8.7 EFPY and the present exposure for Unit 4 is 8.31 EFPY. These present exposures are below the allowable limit of 10 EFPY set forth in the operating licenses and the summary technical report of the materials in capsule "V" will be submitted well in advance of reaching the licensing limit.

The analysis and test results of the materials in surveillance capsule "V" are applicable to both Units 3 and 4. The Director, Office of Nuclear Reactor Regulation, has approved amendment numbers 112 and 106 dated April 22, 1985, which authorized an integrated surveillance program at the Turkey Point Plant in accordance with the requirements of 10 CFR 50, Appendix H II.C. Hence, based on the present EFPY exposures, there is adequate margin between the actual amount of neutron irradiation exposure to both reactor vessels and the exposure permitted by the operating licenses.

IV.

Based on the above, this one-time only delay of approximately six months in the submittal of the summary technical report will in no way affect the reactor vessel integrity. Therefore, the requested submittal date of on or before September 1, 1986, is reasonable and should be granted.

Accordingly, the Commission has determined that, pursuant to 10 CFR 50.12, this exemption is authorized by law, will not present an undue risk to the public health and safety, and is consistent with the common defense and security. The Commission further determines that special circumstances, as provided in 10 CFR 50.12(a)(2)(ii), are present justifying the exemption, namely that application of the regulation in the particular circumstances is not necessary to achieve the underlying purpose of the rule - to permit the evaluation of the surveillance test data in a timely fashion so that the margins in the approved pressure - temperature curves can be evaluated. Specifically, as noted above, the data from the tests and analysis of the materials in the surveillance capsule(s) are used to define the pressure-temperature limits required by Appendix G of 10 CFR Part 50. The existing Technical Specification pressure-temperature limits, based on the present EFPY exposures, provide adequate margin between the actual amount of neutron irradiation exposure on both reactor vessels and the exposure permitted by the operating licensees. The summary technical report will be submitted well in advance of reaching the current licensing EFPY limit allowing adequate time to revise the pressure-temperature curves in the Technical Specifications if the test and analysis results indicate the need of revised pressure-temperature curves. Therefore, the requested exemption which authorizes the licensee to submit the summary technical report of the surveillance capsule "V" on or before September 1, 1986, is granted.

Pursuant to 10 CFR 51.32, the Commission has determined that the issuance of the exemption will have no significant impact on the environment (51FR 30276) dated August 25, 1986.

For further details with respect to this action, see the licensee's request dated July 11, 1986, which is available for public inspection at the Commission Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Environmental and Urban Affairs Library, Florida International University, Miami, Florida 33199.

FOR THE NUCLEAR REGULATORY COMMISSION



George G. Lear, Acting Director
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland
this 25th day of August, 1986