



February 20, 1979
L-79-41

Office of Administration
Attention: William O. Miller, Chief
Licensing Fee Management Branch
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Miller:

Re: Turkey Point Unit No. 4
Docket No. 50-251

The attached check for four thousand (\$4,000.00) is forwarded
in connection with our request for a license amendment dated
February 16, 1979 (L-79-39).

Very truly yours,

A handwritten signature in cursive script that reads "Robert E. Uhrig". A long horizontal line extends from the end of the signature towards the right side of the page.

Robert E. Uhrig
Vice President

REU:GDW:cf
Enclosure

cc: Robert Lowenstein, Esquire
James P. O'Reilly, Region II

*Refers to eff. of Cycle 5
operation*

Applicant.	Florida Power
Check No.	64954
Amount/Fee Category	4,000
Type of Fee	
Date Check Rec'd	2/23/79
Received By	Sharon A. Luster

790 2280 365

*Moore
2/10
P*

2/26/79

NOTE TO: Mike Collins & Don Lanham, DSB (016)

FROM: Reba M. Diggs, License Fee Management Branch, ADM

SUBJECT: PROCESSING LETTERS WITH CHECKS RECEIVED DIRECTLY BY THE
LICENSE FEE MANAGEMENT BRANCH

Please process the enclosed letter under the applicable docket and
give the following distribution under code M008:

Original of ltr to Regulatory Docket File
Action CY w/check to W. O. Miller, LFMB (L-233)
3 Cys to applicable Branch of DOR or DPM
1 to LPDR
1 to PDR

I am retaining the check and the following information is for your
records.

Check No: 64954
Amount: \$4,000-
Date: 2/20/79
Applicant: Florida Power + Light

Thanks!

Reba M. Diggs
License Fee Management Branch
Office of Administration

Doc 50-250



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

January 18, 1979

ALL POWER REACTOR LICENSEES

Gentlemen:

By letter dated November 15, 1978, you were requested to submit Radiological Effluent Technical Specifications and provide for NRC approval your Offsite Dose Calculation Manual (ODCM). During the recent seminars held at the NRC Regional Offices, we received numerous requests for additional guidance on the content for the ODCMs. The attachment to this letter provides guidance on the general contents of the ODCM to aid you in its preparation.

Sincerely,

A handwritten signature in cursive script, reading "Brian K. Grimes", is written over the typed name.

Brian K. Grimes, Assistant Director
for Engineering and Projects
Division of Operating Reactors

Enclosure:
General Contents of the
ODCM

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GENERAL CONTENTS OF THE ODCM*

Section 1 - Set Points

Provide the equations and methodology to be used at the station or unit for each alarm and trip set point on each effluent release point according to the Specifications 3.3.3.8 and 3.3.3.9. Provide the alarm and control location, the monitor description, location, power source, scale, range and identification number, and the effluent isolation control device, its location, power source and identification number. If the set point value is variable, provide the equation to be used to predetermine the set point value that will assure that the Specification is met at each release point, and the value to be used when releases are not in progress. If dilution or dispersion is used, describe the on-site equipment and measurement method used during release, the site related parameters and the set points used to assure that the Specification is met at each release point, including any administrative controls applicable at the station or unit. The fixed and predetermined set points should consider the radioactive effluent to have a radionuclide distribution represented by normal and anticipated operational occurrences. Other features, such as surveillance requirements and the calibration method, should be addressed.

Section 2 - Liquid Effluent Concentration

Provide the equations and methodology to be used at the station or unit for each liquid release point according to the Specification 3.11.1.1. For continuous and/or batch releases, the assumptions used for manual and automatic termination of releases should be provided. For batch releases, the calculational methods, equations and assumptions used, together with the pre-release and post-release analyses should be provided. Other features, such as surveillance requirements, sampling and analysis program, detection limitations and representative sampling should be addressed.

Section 3 - Gaseous Effluent Dose Rate

Provide the equations and methodology to be used at the station or unit for each gaseous release point according to Specification 3.11.2.1. Consider the various pathways, release point elevations, site related parameters and radionuclide contribution to the dose impact limitation. Provide the equations and assumptions used, stipulating the pathway, receptor location and receptor age. Provide the dose factors to be used for the identified radionuclides released. Provide the annual average dispersion values (X/Q and D/Q), the site specific parameters and release point elevations. Other features, such as surveillance requirements, sampling and analysis program, detection limitations and representative sampling should be addressed.

*The format for the ODCM is left up to the licensee and may be simplified by tables and grid printout. Each page should be numbered and indicate the facility approval and effective date.

Section 4 - Liquid Effluent Dose

Provide the equations and methodology to be used at the station or unit for each liquid release point according to the dose objectives given in Specifications 3.11.1.2. The section should describe how the dose contributions are to be calculated for the various pathways and release points, the equations and assumptions to be used, the site specific parameters to be measured and used, the receptor location by direction and distance, and the method of estimating and updating cumulative doses due to liquid releases. The dose factors, pathway transfer factors, pathway usage factors, and dilution factors for the points of pathway origin, etc., should be given, as well as receptor age group, water and food consumption rate and other factors assumed or measured. Provide the method of determining the dilution factor at the discharge during any liquid effluent release and any site specific parameters used in these determinations. Other features such as surveillance requirements, sampling and analysis program, detection limitations and representative sampling should be addressed.

Section 5 - Gaseous Effluent Dose

Provide the equations and methodology to be used at the station or unit for each gaseous release point according to the dose objectives given in Specifications 3.11.2.2 and 3.11.2.3. The section should describe how the dose contributions are to be calculated for the various pathways and release points, the equations and assumptions to be used, the site specific parameters to be measured and used, the receptor location by direction and distance, and the method estimating and updating cumulative doses due to gaseous releases. the location direction and distance to the nearest residence, cow, goat, meat animal, garden, etc., should be given, as well as receptor age group, crop yield, grazing time and other factors assumed or measured. Provide the method of determining dispersion values (X/Q and D/Q) for short-term and long-term releases and any site specific parameters and release point elevations used in these determinations. Also, provide the criteria for determining short and long term releases. Other features such as surveillance requirements, sampling and analysis program, detection limitations and representative sampling should be addressed.

Section 6 - Projected Doses

For liquid and gaseous radwaste treatment systems, provide the method of projecting doses due to effluent releases for the normal and alternate pathways of treatment according to the specifications, describing the components and subsystems to be used.

Section 7 - Operability of Equipment

Provide a flow diagram(s) defining the treatment paths and the components of the radioactive liquid, gaseous and solid waste management systems that are to be maintained and used, pursuant to 10 CFR 50.36a, to meet Technical

Specifications 3.11.1.3, 3.11.2.4 and 3.11.3.1. Subcomponents of packaged equipment can be identified by a list. For operating reactors whose construction permit applications were filed prior to January 2, 1971, the flow diagram(s) shall be consistent with the information provided in conformance with Section V.B.1 of Appendix I to 10 CFR Part 50. For OL applications whose construction permits were filed after January 2, 1971, the flow diagram(s) shall be consistent with the information provided in Chapter 11 of the Final Safety Analysis Report (FSAR) or amendments thereto.

Section 8 - Sample Locations

Provide a map of the Radiological Environmental Monitoring Sample Locations indicating the numbered sampling locations given in Table 3.12-1. Further clarification on these numbered sampling locations can be provided by a list, indicating the direction and distance from the center of the building complex of the unit or station, and may include a descriptive name for identification purposes.

Florida Power & Light Company - -

cc: Mr. Robert Lowenstein, Esquire
Lowenstein, Newman, Reis & Axelrad
1025 Connecticut Avenue, NW
Suite 1214
Washington, D.C. 20036

Environmental & Urban Affairs Library
Florida International University
Miami, Florida 33199

Mr. Norman A. Coll, Esquire
Steel, Hector and Davis
1400 Southeast First National
Bank Building
Miami, Florida 33131

Florida Power & Light Company
ATTN: Mr. Henry Yaeger
Plant Manager
Turkey Point Plant
P. O. Box 013100
Miami, Florida 33101



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket
50.250

January 9, 1979

ALL POWER REACTOR LICENSEES

GENTLEMEN:

The document "Interservice Procedures for Instructional Systems Development," TRADOC Pamphlet 350-30, that was referenced in the NRC report, "Nuclear Security Personnel for Power Plants," NUREG-0219, is now available, free, in microfiche form from NRC. You may obtain a microfiche copy of TRADOC 350-30 by writing to:

Distribution Services Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Sincerely,

A handwritten signature in cursive script, reading "William J. Besaw".

William J. Besaw, Director
Division of Technical Information
and Document Control, ADM

cc: Service List

A large, stylized handwritten mark or flourish, possibly a signature or a checkmark, located at the bottom right of the page.

Florida Power & Light Company

50-250
50-251

cc: Mr. Robert Lowenstein, Esquire
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