

AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM.

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

Florida Power and Light Company  
P. O. Box 529100  
Miami, Florida 33152

is authorized to discharge from a facility located at

Turkey Point Plant  
Dade County, Florida

to circulating water cooling canal system  
from discharge points enumerated herein, as serial numbers 001, 002, 003, 004, and  
005

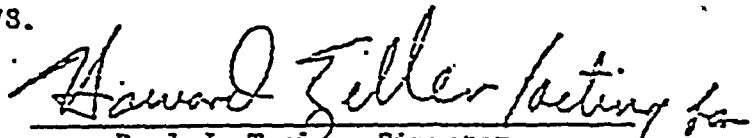
during the effective period of this permit

in accordance with effluent limitations, monitoring requirements and other  
conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on July 1, 1978.

This permit and the authorization to discharge shall expire at midnight,  
September 30, 1980. Permittee shall not discharge after the above date  
of expiration without prior authorization. In order to receive authorization  
to discharge beyond the above date of expiration, the permittee shall submit  
such information, forms, and fees as are required by the Agency authorized  
to issue NPDES permits no later than 180 days prior to the above date of  
expiration. Notwithstanding the 180 day limitation, it is recommended that  
application be made no less than 270 days prior to expiration to assure  
reissuance by date of expiration.

Signed this 14th day of June, 1978.



Paul J. Trajka, Director  
Enforcement Division

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A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on effective date and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) 001 - Once-through cooling water; 002 - Equipment area drains; 003 - Plant chemical waste treatment facility; 004 - Boiler blowdown; and 005 - Radwaste

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent from serial numbers 001 (Once-through cooling water), 002 (Equipment area drains), 003 (Plant chemical waste treatment facility), 004 (Boiler blowdown), and 005 (Radwaste) may be discharged to the circulating water cooling canal system without limitations or monitoring requirements provided that there is no surface discharge to Biscayne Bay or Card Sound.

## B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:
  - a. Water quality monitoring reports (Part III.D.) - annually with first report due on 1/31/79
  - b. PCB report (Part III.B) - October 28, 1978
  - c. BAT treatment scheme and implementation schedule (Part III.G.) - 3/31/80
  
2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Note: Any construction of new waste treatment facilities or alterations to existing waste treatment facilities will require a permit or authorization for construction in accordance with applicable state law and regulations.

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## C. MONITORING AND REPORTING

1. *Representative Sampling*

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. *Reporting*

Duplicate signed copies of data and reports required by Part III, Section D shall be submitted to the Chief, Water Enforcement Branch, and the State at the following addresses:

Chief, Water Enforcement Branch  
Environmental Protection Agency  
345 Courtland Street, N.E.  
Atlanta, Georgia 30309

AND

Florida Department of  
Environmental Regulation  
South Florida Subdistrict  
3301 Gun Club Road  
P. O. Box 3858  
West Palm Beach, Florida 33402

3. *Definitions*

- a. The "daily average" concentration means the arithmetic average (weighted by flow) of all the daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow) of all the samples collected during that calendar day.
- b. The "daily maximum" concentration means the daily determination of concentration for any calendar day.
- c. "Weighted by flow" means the summation of each sample concentration times its respective flow in convenient units divided by the summation of the flow values.
- d. "Nekton" means free swimming aquatic animals whether of freshwater or marine origin.
- e. For the purpose of this permit, a calendar day is defined as any 24-hour period.

#### 4. *Test Procedures*

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

#### 5. *Recording of Results*

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;
- d. The analytical techniques or methods used; and
- e. The results of all required analyses.

#### 6. *Additional Monitoring by Permittee*

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

#### 7. *Records Retention*

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

**A. MANAGEMENT REQUIREMENTS****1. *Change in Discharge***

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

**2. *Noncompliance Notification***

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

**3. *Facilities Operation***

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

**4. *Adverse Impact***

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**5. *Bypassing***

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

**6. Removed Substances**

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

**7. Power Failures**

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

**B. RESPONSIBILITIES****1. Right of Entry**

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

**2. Transfer of Ownership or Control**

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

**3. Availability of Reports**

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

#### 4. *Permit Modification*

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

#### 5. *Toxic Pollutants*

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

#### 6. *Civil and Criminal Liability*

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

#### 7. *Oil and Hazardous Substance Liability*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

#### 8. *State Laws*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.



## 9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

## 10. Severability

The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected hereby.

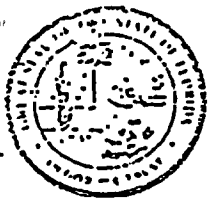
## PART III

## OTHER REQUIREMENTS

- A. If the permittee, after monitoring for at least six months, determines that he is consistently meeting the effluent limits contained herein, the permittee may request of the Chief, Water Enforcement Branch, that the monitoring requirements be reduced to a lesser frequency or be eliminated.
- B. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. Administrative procedures shall be instituted to (1) maintain a detailed inventory of PCB use, (2) assure engineering design and construction to preclude release of PCB's to the environment, and (3) effectively detect the loss of PCB's from equipment. Detail of such procedures shall be submitted no later than October 28, 1978.
- C. The company shall notify the Chief, Water Enforcement Branch, in writing not later than sixty (60) days prior to instituting use of any biocide or chemical used in cooling systems which may be toxic to aquatic life. Such notification shall include:
  1. name and general composition of biocide or chemical,
  2. quantities to be used,
  3. frequencies of use,
  4. proposed discharge concentrations, and
  5. EPA registration number, if applicable.
- D. The permittee shall monitor the water quality of the circulating water cooling canal system. Grab samples shall be taken quarterly at the outlet from Lake Warren and shall include the following parameters: salinity; total suspended solids; and total zinc, iron and copper. Results shall be submitted annually with the first report due on January 31, 1979. Subsequent reports are due on January 31 of each succeeding year.

- E. Notwithstanding any other requirements of this Authorization to Discharge, the permittee shall comply with all applicable provisions of the Final Judgment dated September 10, 1971, in Civil Action Number 70-328-CA issued by U. S. District Judge C. Clyde Atkins of the Southern District of Florida.
- F. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
- (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (2) Controls any pollutant not limited in the permit.
- The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
- G. The permittee shall submit to the Director, Enforcement Division, by March 31, 1980, a waste treatment scheme and implementation schedule to assure compliance with requirements established for "Best Available Technology Economically Achievable."
- H. The State of Florida Department of Environmental Regulation has certified the discharge(s) covered by this permit with conditions (Attached). Section 401 of the Act requires that conditions of certification shall become a condition of the permit. The monitoring and sampling shall be as indicated for those parameters included in the certification.

Any effluent limits, and any additional requirements, specified in the attached state certification which are more stringent supersede any less stringent effluent limits provided herein. During any time period in which the more stringent state certification effluent limits are stayed or inoperable, the effluent limits provided herein shall be in effect and fully enforceable.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

2600 BLAIR STONE ROAD  
TWIN TOWERS OFFICE BUILDING  
TALLAHASSEE, FLORIDA 32301

REUBIN O'D. ASKEW  
GOVERNOR

June 1, 1978

JOSEPH W. LANDERS, JR.  
SECRETARY

Paul J. Traina  
Director, Enforcement Division  
U.S. Environmental Protection Agency  
345 Courtland Street  
Atlanta, Georgia 30309

RECEIVED  
EPA/REGION IV  
JUN 6 11 30 AM '78  
ENFORCEMENT  
DIVISION

Dear Mr. Traina:

Pursuant to Section 401 of the Federal Water Pollution Control Act as amended (33 USC 1251, 1341), the State of Florida hereby issues certification for:

Florida Power and Light  
Turkey Point Power Plant  
Dade County  
FL0001562

an applicant for a National Pollutant Discharge Elimination System permit.

The State of Florida certifies that this facility will comply with Sections 301, 302 and 303 of the Federal Water Pollution Control Act, as amended, provided the applicant meets the conditions developed for the draft NPDES permit and abides by the applicable regulations of Chapter 403, Florida Statutes and Chapter 17-3 and 17-4, Florida Administrative Code.

This certification was issued with the specific condition that effluent from serial numbers 001, 002, 003, 004, and 005 must be discharged to the circulating water cooling canal system without surface discharge to Biscayne Bay or Card Sound.

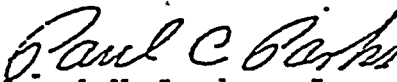
Insofar as the department can presently determine there are no further limitations under Sections 306 and 307 applicable to this case.

Paul J. Traina  
Page two  
June 1, 1978  
FL0001562

The correct address for submission of Florida's copy of the Discharge  
Monitoring Reports is:

Florida Department of Environmental Regulation  
South Florida Subdistrict  
3301 Gun Club Road  
P.O. Box 3858  
West Palm Beach, FL 33402

Sincerely,

*for*   
Joseph W. Landers, Jr.  
Secretary

JWL:mbp

cc: Florida Power and Light  
South Florida Subdistrict



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30308

JUN 21 1978

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. W. S. Tucker, Jr.  
Manager of Environmental Affairs  
Florida Power & Light Company  
Post Office Box 013100  
Miami, Florida 33101

Re: Turkey Point Plant  
NPDES No. FLO001562

Dear Mr. Tucker:

Due to a paperwork error, the final permit for the above-referenced plant which was forwarded to your office in a letter dated June 14, 1978, contained several incorrect pages. Enclosed is a copy of the final permit which will replace, in its entirety, the permit of June 14, 1978.

We regret any inconvenience that this oversight may have caused.

Sincerely,

Howard D. Zeller  
Deputy Director  
Enforcement Division

Enclosure

Copy To: W. J. Barrow, Jr.  
F. M. Gavila

RECEIVED

JUN 23 1978

Mgr. Env'l. Affairs



August 31, 1978  
L-78-287

Mr. J. P. O'Reilly, Director, Region II  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: Turkey Point Units 3 & 4  
Docket Nos. 50-250 and 50-251  
Semi-Annual Environmental Monitoring Report No. 11

In accordance with Appendix B, Section 5.4.a of the Turkey Point Environmental Technical Specifications and Regulatory Guide 10.1, Florida Power & Light Company submits herewith two (2) copies of Semi-Annual Environmental Monitoring Report No. 11.

Yours very truly,

Robert E. Uhrig  
Vice President

REU:NLR:mm

Enclosures

cc: Director, Office of Inspection & Enforcement (1)  
Director, Office of Nuclear Reactor Regulation (17)  
Robert Lowenstein, Esq. w/o encl.

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