5/18/76 order

BEFORE THE GOVERNOR AND CABINET OF THE STATE OF FLORIDA

In the Matter of:

FLORIDA POWER & LIGHT COMPANY, Order No.
PALATKA STATION:

Modification of Conditions of Certification No. PPS-74-01,

Putnam County, Florida,

Permittee.

The following persons were present and participated in the disposition of this matter:

Honorable Reubin O'D. Askew Governor

Honorable Bruce A. Smathers Secretary of State

Honorable Robert L. Shevin Attorney General

Honorable Philip F. Ashler Treasurer and Insurance Commissioner

Honorable Gerald A. Lewis Comptroller

Honorable Doyle Conner Commissioner of Agriculture

Honorable Ralph D. Turlington Commissioner of Education

ORDER

BY THE GOVERNOR AND CABINET:

The Governor and Cabinet, having fully considered the Stipulation of Parties Modifying Certain Conditions of Certification, a copy of which is attached hereto as Exhibit A, and being otherwise duly advised in the premises, it is therefore,

ordered by the Governor and Florida Cabinet, in exercising their functions under Section 403.501 through Section 403.515, and Section 20.261(12), Florida Statutes 1975, that the Conditions of Site Certification No. PPS-74-01 be and the same are hereby modified in accordance with the proposed modifications set forth in the Stipulation of Parties Modifying Certain Conditions of Certification which is attached hereto as Exhibit A.

Accordingly, the proposed modifications set forth in the Stipulation of Parties Modifying Certain Conditions of Certification are expressly confirmed and incorporated herein.

DONE this 18th day of May, 1976.

ENTERED this 18th day of May, 1976, at Tallahassee, Florida.

FOR THE GOVERNOR AND FLORIDA

REUBIN O'D. ASKEW

Governor

VOTE:

FOR:

AGAINST:

Honorable Reubin O'D. Askew
Honorable Bruce A. Smathers
Honorable Robert L. Shevin
Honorable Gerald A. Lewis
Honorable Philip F. Ashler
Honorable Ralph D. Turlington
Honorable Doyle Conner

Copies furnished to:

All Parties of Record

BEFORE THE DEPARTMENT OF ENVIRONMENTAL REGULATION

In The Matter Of:)
FLORIDA POWER & LIGHT COMPANY, PALATEA STATION: Modification of conditions)) Docket No.
of certification No. PPS-74-01)
PUTNAM COUNTY, FLORIDA,)
Permittee.)

STIPULATION OF PARTIES MODIFYING CERTAIN CONDITIONS OF CERTIFICATION

All of the parties who previously entered appearances in the original site certification proceeding conducted pursuant to Part II of Chapter 403, Florida Statutes, and resulting in the issuance of the above noted Certification No. PPS-74-01, hareby stipulate and agree (pursuant to \$120.57(3), Florida Statutes, and \$17-17.16, Florida Administrative Code), as follows:

- 1. The signatories to this Stipulation include all of the parties to the above mentioned certification proceeding, including the Department of Environmental Regulation (previously the Department of Pollution Control).
- 2. On October 16, 1974, the Permittee, Florida Power & Light Company, was issued site certification (No. PPS-74-01) by the Board of the Department of Pollution Control authorizing it to construct and operate an expansion of the Permittee's electric power plant at its Palatka site (also known as the "Putnam Plant") subject to terms of the "Conditions of Certification" attached hereto as Exhibit "A".
- 3. On June 2, 1975, by letter, Permittee requested certain modifications and amendments to the "Conditions of Certification" previously issued."
- 4. The requested modifications and amendments are supported by the "Rationale and Justifications for Proposed Modification of the Conditions of Certification of PPS-74-01" attached hereto as Exhibit "B".

5. The "Conditions of Certification" previously made a part of the original Certification Agreement and certification are amended and modified to read as follows:

"CONDITIONS OF CERTIFICATION

"The permittee shall comply with the following conditions of certification:

- "1. Fuel consumed should not contain more than 0.7 % sulfur nor should stack emissions exceed those specified in Chapter 17-2.04(e).
- "2. Stack Height: Minimum stack heights shall be 53 feet above grade. Stacks with a height of at least 150 feet shall be constructed prior to burning residual fuel oil containing more than 0.35% sulfur, except as provided for in "Warranty Testing".

Warranty Testing: The permittee may burn fuel oil containing more than 0.35% sulfur, but not more than 0.7% sulfur, during an initial twelve month warranty testing period: provided, however, that during this test period, the burning of fuel oil containing more than 0.35% sulfur shall be suspended by the permittee during such times that sustained winds may exceed 20 miles per hour for any continuous period of three hours or longer.

Wind Monitoring: The permittee shall measure wind velocity and wind direction at hourly intervals in the plant vicinity, during each period that fuel oil containing more than 0.35% sulfur is burned. Such wind data shall be reported monthly to the Lower St. Johns Subdistrict Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures; the permittee shall submit to the Department the details of its measuring plans at least 30 days prior to burning of fuel oil containing more than 0.35% sulfur.

- "3. The permittee shall install a sampling platform on one stack or shall provide sampling ports and such temporary access facilities as may be prescribed by the Department in performing stack sampling.
- "4. The permittee shall install and operate continuous monitoring devices on each stack for the following: Opacity, Nitrogen Oxides. Records of such monitoring shall be available for inspection.
- "5. The permittee shall install and operate continuously for a 24-hour period every three days two ambient air, West-Cacke, monitoring devices for sulfur dioxide and two suspended particulate sampling devices. After six months of operation, the Department may allow sampling on a six day interval. The location of these ambient air samplers shall be determined by consultation with the Lower St. Johns Subdistrict Manager of the Department. The data collected will be reported to the Subdistrict

Manager quarterly by the last day of each month following the reporting period, utilizing the SAROAD or other mutually acceptable format.

- Water effluents shall conform to the limitations of "6. Chapter 17-3, F.A.C., including but not limited to those contained in Paragraph 7 below.
- The following parameters shall be reported monthly to the Subdistrict Manager:

eff]	luent Characteristics	Limitations	Monitoring
a.	Flow	To existing plant discharge area. Cooling tower blowdown shall be minimized to the degree allowed by best engineering practice; furthermore, the combined flow to the St. Johns River from the cooling tower and the chemical waste treatment system shall not exceed 2,200 gpm.	Continuous recorders c pump logs
b.	Temperature	Not to exceed 98°F. at the P.O.D. and not to exceed 92°F. or 5°F. above ambient at the boundary of a 3-dimensional zone of mixing described by a cylinder of 50 meters radius running horizontally from the P.O.D. and which extends vertically to the river surface and river bottom.	Continuous (recorder of logs) at any point between the blowdown of charge at the cooling tower and the P.O.D. of cooling water into the river.
c.	Phosphate to Blowdown tank	50 ppm	Weekly
d.	Dissolved solids	. mgg 0000	Daily
e.	pII	6.0 - 8.5	Daily
f.	Floating solids and visible foam	None visible	None

- .8" Change in Discharge:
 - All discharges or emissions authorized herein shall be consistent with the terms and conditions of this certification. The discharge of any pollutant identified in this certification more frequently than or at a level in excess of that authorized shall constitute a violation of the certification. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants or expansion in steam generating capacity must be reported by submission of a new application.
- Noncompliance Motification: If, for any reason, the permittee does not comply with or will be unable to comply with any limitation specified in this certification, the permittee shall provide prompt notification to the Lower St. Johns Subdistrict Manager of the Department by telecommunication sent no later than 3:00 p.m. of the next normal work day following the occurrence of such non-compliance, and shall submit the following information in writing, within minety-sim (95) hours of becoming aware of such conditions:

A description of the discharge and cause of non-Α. compliance; and

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.

"10. 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 certification.

"11. Adverse Impact: The permittee shall take all reasonable steps to minimize any adverse impact resulting from noncom-pliance with any limitation specified in this certification, including such accelerated or addi-

tional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

Bypassing:

Any diversion or bypass of facilities necessary to maintain compliance with the terms and conditions of this certification 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 conditions of this certification. The permittee shall promptly notify the Lower St. Johns Subdistrict Manager of the Department of each such diversion or bypass in accordance with the procedure contained in condition #9 of this certification.

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 waters of the state.

"14. Right of Entry:

The permittee shall allow the Secretary of the Florida Department of Environmental Regulation and/ or authorized representatives, upon the presentation of credentials:

- To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under terms and conditions of this permit; and
- To have access to and copy any records required to be kept under the conditions of this certification; and
- To inspect any monitoring equipment or monitoring method required in this certification and to sample any discharge of pollutants.
- "15. Revocation or Suspension: After notice and opportunity for a hearing, this certification may be suspended, or revoked in whole or in part during its term for cause including, but not limited to, the provisions of §403.512, Chapter 403, Florida Statutes, or for failure to comply with the terms and conditions of the certification.

- "16. New Pollutant Standards:

 If an effluent or emission standard or prohibition (including any schedule of compliance specified in such effluent or emission standard or prohibition) is established for a pollutant which is present in this certification and such standard or prohibition is more stringent than any limitation for such pollutant in this certification, this certification shall be revised in accordance with the new effluent or emission standard or prohibition and the permittee so notified.
- "17. Civil and Criminal Liability:
 Nothing in this certification shall be construed to relieve the permittee from civil or criminal penalties for noncompliance with any condition of this certification, applicable rules or regulations of the Department, or Chapter 403, Florida Statutes.
- "18. Nothing in this certification shall be construed to preclude the institution of any legal action or relieve the permittee from the responsibilities, requirements, liabilities, or penalties established pursuant to any applicable State Statutes, or Regulation, including Departmental rules and regulations promulgated by the Department pursuant to Chapter 403, F.S.
- "19. Property Rights:
 The issuance of this certification does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.
- "20. Severability:

 The provisions of this certification are severable, and if any provision of this certification or the application or any provision of this certification to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this certification shall not be affected thereby.
- "21. No debris shall be discharged to waters of the State from the intake screens with the exception of viable nekton. Additionally, the permittee shall, beginning no later than April 1, 1977, undertake a study to evaluate methods of returning viable nekton collected on the intake screens to ambient temperature waters and shall submit a report presenting results no later than July 1, 1978.
- "22. After December 31, 1976 or six months after commencement of boiler operations, whichever event occurs later, free available chlorine shall not exceed an average concentration of 0.2 mg/l and a maximum concentration of 0.5 mg/l during a maximum of one, two-hour period a day. Chlorine concentration monitoring shall be conducted two times per week, during the period of maximum expected residual, at any point between the exit from the cooling tower and the P.O.D. of cooling water in the river. The results of such a monitoring shall be reported guarterly to the Subdistrict Manager. Additionally, a study shall be instituted to evaluate all practicable methods to reduce total chlorine (free and combined) levels, including, but not necestarily limited to (1) minimization of chlorine addition

commensurate with control requirements, (2) reduction of flow during chlorination, and (3) discontinuation of blowdown during chlorination and subsequent periods of high concentration. Results of this study, including facilities and/or methods proposed to reduce total chlorine residuals shall be submitted within twentyfour months of commencement of plant operation. Subsequently, chlorination procedures to reduce total chlorine residuals shall be implemented to the extent practicable. Any biocide discharge from any point source shall "23. comply with the requirements of the Federal Insecticide, Fungicide, and Rolenticide Act, as amended (7 U.S.C. 136 et. seq.) and the use of such pesticide shall be in a manner consistent with the labeling. "24. There shall be no release from containment devices or structures of polyclorinated biphenyl compounds to the environment. There shall be no surface discharge of turbid waters to waters of the State from the spoil disposal/barrow pit system. Any spoil excavated during construction or maintenance dredging shall be deposited on an upland area. A berm or other control device shall be constructed around the spoil disposal area to insure against spillage or discharge of excavated material which may cause turbidity in excess of 50 Jackson Turbidity Units above background in waters of the State. "26. The Barge Slip shall be of a sheet pile type construction with a poured concrete cap. Riprap shall be placed on the river bank adjacent to the barge slip to prevent exosion due to removal of natural vegetation. Spilled oil shall be removed from the barge slip prior to the departure of any barge. Such oil shall be disposed of by the plant's oil treatment system. "27. Construction of the utilities tunnel under U. S. 17 shall be expedited to occur in a minimal amount of

time. Such construction shall be performed in accordance with the standards of the Florida Department of Transportation and in close coordination with:

> Mr. C. A. Benedict District Engineer, Fifth Division Florida Department of Transportation P. O. Box 47 DaLand, Florida 32720

and with:

Mr. J. A. Crookshank, Jr. Maintenance Engineer, Putnam County P. O. Drawer "X" St. Augustine, Florida

"28. During construction and plant operation necessary measures shall be employed to settle, filter or absorb silt-containing or pollutant-loaded stormwater runoff to prevent contumination of waters of the State. Such measures may include sediment traps, barriors and use of berms or vegetation. Exposed or disturbed soil shall be sodded as soon as possible to minimize silt and sediment runoff into waters of the State.

- Turbidity control shall be installed prior to any "29. construction or maintenance dredging to insure that turbidity of State waters is not increased more than 50 Jackson Turbidity Units.
- Review of Site Certification: "30. This certification shall be final unless revoked or suspended pursuant to law. Five years from the date of issuance of any National Pollutant Discharge Elimination System Permit issued pursuant to the Federal Water Pollution Control Act Amendments of 1972, for the Combined Cycle Units, the Department shall review all monitoring data that have been submitted to it during the preceding five year period, for the purpose of determining the extent of the permittee's compliance with the conditions of this certification and the environmental impact of this facility. The Department shall submit the results of its review and recommendations to the Permittee and all parties of record in this certification proceeding.
- "31. Monitoring Program Review: The results of the air and water monitoring programs will be reviewed by the Department and Florida Power a Light Company at the end of each year of operation. to determine the necessity and/or extent of continuation. The methods and procedures utilized in the monitoring program shall be approved by the Department and also be reviewed annually by the Department and Florida Power & Light Company, and may be modified by agreement of all parties of record in this certification proceeding.".
- The Governor and Cabinet are hereby requested to take all actions necessary to adopt, confirm, and implement this stipulation and agreement, pursuant to the authority granted to them by Part II, Chapter 403, Florida Statutes, the Florida Electric Power Plant Siting Act as amended by Section 5.(1), the Florida Environmental Reorganization Act of 1975 (Chapter 75-22), including the modification of the previously executed Certification Agreement.

WITNESS our hands and seals effective as of the $2^{\frac{1}{12}}$ day of May, 1976.

Signed, sealed and delivered in the presence of:

Joseph ... Landers, Jr., Secretary Department of Environmental Regulation 2562 Executive Center Circle, East Tallahassee, Florida

Rundolf G. Whittle, Jr., Attendirecto

Division of State Planning Department of Administration

660 Apalachee Paskway

Tallahassee, Florida

As to Florida Power & Light
Company

(SEAL)

PLORIDA POWER & LIGHT

COMPANY

Joseph A. McClothlin, Esquire
Attorney, Public Service Commission
700 South Adams Street
Tallahassee, Florida 32304

Raymond B. Bunton, Designee
Putnam County Board of County
Commissioners
Palatka, Florida

FLORIDA POWER & LIGHT COMPANY

By: And Alant

Attest: Secretary Pfull.

-8-

CONDITIONS OF CERTIFICATION

The permittee shall comply with the following conditions of certification:

- Fuel consumed should not contain more than 0.7% sulfur nor should stack emissions exceed those specified in Chapter 17-2.04(e).
- The stack height shall be not less than 150 feet high.
- 3. The permittee shall install a sampling platform on one stack or shall provide sampling ports and such temporary access facilities as may be prescribed by the Department in performing stack sampling.
- 4. The permittee shall install and operate monitoring devices on each stack for the following: Opacity, Nitrogen Oxides. Records of such monitoring shall be available for inspection.
- 5. The permittee shall install and operate two continuous monitoring devices for sulfur dioxide and two particulate samplers. The location of these ambient air samplers shall be determined by consultation with the Northeast Regional Administrator of the Department. The data collected will be reported to the Regional Administrator monthly by the 10th of each subsequent month.
- Water effluents shall conform to the limitation of Chapter 17-3, FAC.
- 7. The following parameters shall be reported monthly to the Regional Administrator:

Eff	luent Characteristics	Limitations	Monitoring
ā.	flow	1430 gpm-to ex- isting plant intake	continuous - recorders or pump logs
b.	temperature	Not to exceed 920 F. or 50 aborancient	
c.	Phosphate from Blow down tank	50 ppm	daily

d. Dissolved Solids

6000 ppm

dh.ly

e. PH

6.0-8.5

daily

none

f. Floating Solids visible foam

none visible

8. The phosphate concentration of the 50 gpm "Blow Down Tank" shall not exceed 50 ppm. The dilution as required to the "Blow Down Tank" and "Holdup Tank" will not be allowed. The discharge of phosphate not to exceed 50 ppm and Total Dissolved Solids not to exceed 6000 ppm shall be achieved by appropriate treatment.

- 9. Effluent to the existing plant intake shall not be more than 1430 gpm and shall be placed into the intake in such a manner as to preclude direct discharge to the St. Johns River.
- 10. Change in Discharge:
 All discharges or emissions authorized herein shall be consistent with the terms and conditions of this certification. The discharge of any pollutant identified in this certification more frequently than or at a level in excess of that authorized shall constitute a violation of the certification. Any anticipated facility expansions, production increases, or process redifications which will result in new, different, or increased discharges of pollutants or expansion in steam generating capacity must be reported by submission or a new application.
- 11. Noncompliance Notification:

 If, for any reason, the permittee does not comply with or will be unable to comply with any limitation specified in this certification, the permittee shall provide the Northeast Regional Administrator of the Department with the following information, in writing, within forty eight (48) hours of becoming aware of such condition:
 - A. A description of the discharge and cause of noncompliance; and
 - B. The paried 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.

- 12. 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 certification.
- 13. Adverse Impaot:
 The permittee shall take all reasonable steps to minimize any adverse impact resulting from non-compliance with any limitation specified in this certification, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.
- Any diversion or bypass of facilities necessary to maintain compliance with the terms and conditions of this certification is prohibited, except (1) where unavoidable, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the conditions of this certification. The permittee shall promptly notify the Northeast Regional Administrator of the Department in writing of each such diversion or bypass within 24 hours.
- 15. Removed Substances:
 Solids, sludges, filter backwash, or other pollutents 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 waters of the State.
- 16. Right of entry:
 The permittee shall allow the Director of the Florida
 Department of Follution Control and/or 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. To have access to and copy any records required to be kept under the conditions of this certificatio and
 - To inspect any monitoring equipment or monitoring method required in this cortification and to sample any discharge or pollutants.

- 17. Revocation or Suspension:
 After notice and opportunity for a hearing, this certification may be suspended, or revolved in whole or in part during its term for cause including, but not limited to, the provision of Section 403.512, Chapter 403, Florida Statutes.
- 18. New Pollutant Standards:

 If an effluent or emission standard or prohibition (including any schedule of compliance specified in such effluent or emission standard or prohibition) is established for a pollutant which is present in this certification and such standard or prohibition is more stringent than any limitation for such pollutant in this certification, this certification shall be revised in accordance with the new effluent or emission standard or prohibition and the permittee so notified.
- 19. Civil and Criminal Liability:
 Nothing in this certification shall be construed to relieve the permittee from civil or criminal penalties for noncompliance with any condition of this certification applicable rules or regulations of the Department or Chapter 403, Florida Statutes.
- 20. Nothing in this certification shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or benalties established pursuant to any applicable State Statutes, or Regulation, including Departmental rules and regulations premulated by the Department pursuant to Chapter 403, F.S.
- 21. Property Rights:
 The issuance of this certification does not convey any property rights in either real or personal property, or any exclusive priviledges, nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Tederal, State or local laws or regulations.
- 22. Severability:

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

- 23. No debris shall be discharged to waters of the State from the intake screens with the exception of viable nekton. Additionally, the permittee shall evaluate methods of returning viable nekton collected on the intake screens to ambient temperature waters and shall submit a report presenting results within twelve (12) months of the date of commencement of plant operation.
- Free available chlorine shall not exceed an average 24. concentration of 0.2 mg/l and a maximum concentration of 0.5 mg/l during a maximum of one, two-hour period a day. No discharge of total residual chlorine is allowed from one unit while another unit at the same station is being chlorinated. Monitoring shall be conducted two times per week during the period of maximum expected residual. The results of such a monitoring shall be reported quarterly to the Regional Administrator. Additionally, a study shall be instituted to evaluate all practicable methods to reduce total chlorine (free and combined) levels, including, but not necessarily limited to (1) minimization of chlorine addition commensurate with control requirements, (2) reduction of flow during chlorination, and (3) chemical scavenging. Results of this study including facilities and/or methods proposed to reduce total chlorine residuals shall be submitted within twelve months of commencement of plant operation. Subsequently, chlorination procedures to reduce total chlorine residuals shall be implemented to the extint practible.
 - 25. Any biocide discharge from any point source shall comply with the requirements of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended (7 U.S.C. 136 et seq.) and the use of such pesticide shall be in a manner consistent with the labeling.
 - 26. There shall be no discharge of polychlorinated bighenyl transformer fluids to waters of the State.
 - 27. There shall be no surface discharge of turbid waters to waters of the State from the spoil disposal/barrow pit system. Any spoil excavated during construction or maintenance dredging shall be deposited on an upland area. A berm or other control device shall be constructed around the spoil disposal area to inside against spillage or discharge of excavated material which may cause turbidity in excess of 50 Jackson Turbidity Units above background in waters of the State

- 28. The Marge Slip shall be of a sheet pile type construction with a poured concrete cap. Piprap shall be placed on the river bank adjacent to the barge slip to prevent erosion due to removal of natural vegetation. Spilled oil shall be removed from the barge slip prior to the departure of any barge. Such oil shall be disposed of by the plant's oil treatment system.
- 29. Construction of the utilities tunnel under US 17 shall be expedited to occur in a minimal amount of time. Such construction shall be performed in accordance with the standards of the Florida Department of Transportation and in close coordination with:

Mr. C. A. Benedict District Engineer, Fifth Division Florida Department of Transportation P. O. Box 47 Deland, Florida 32720

and with:

Mr. J. A. Crookshank, Jr.
Maintenance Engineer, Putnam County
P. O. Drawer "X"
St. Augustine, Florida 32084

- 20. During construction and plant operation necessary measures shall be employed to settle, filter or absorb silt containing or pollutant loaded stormwater runoff to prevent contamination of waters of the State. Such measures may include sediment traps, barriers and use of berms or vegetation. Exposed or disturbed soil shall be sodded as soon as possible to minimize silt and sediment runoff into waters of the State.
- 31. Turbidity control shall be installed prior to any construction or maintenance dredging to insure that turbidity of State waters is not increased more than 50 Jackson Turbidity Units.
- 32. The permittee as condition precedent to issuance of this certification shall submit an application fee, the total amount of which shall not exceed \$25,000 to be applied toward the costs of any study investigation, hearing or processing precedures conducted pursuant to Section 495.501 through 403.516, F.S.

33. Renewal of Site Certification:
This certification shall expire five years from date of issuance. It is renewable by the Department upon receipt of a request from the permittee. The permittee shall file a written request for renewal of site certification no later than 120 days prior to the expiration date. Within 60 days of receipt of a request for renewal of site certification the Department shall request any additional necessary information.

The Department shall renew the site certification upon a finding of the permittee's compliance with the conditions of this original certification.

EXHIBIT "B"

RATIONALE AND JUSTIFICATIONS
FOR PROPOSED MODIFICATION OF THE CONDITIONS OF
CERTIFICATION OF PPS-74-01

Permittee and the Department of Environmental Regulation (the "department") propose the following modifications and amendments to the original conditions of certification (only those original conditions which are changed, modified, or renumbered are included below):

2----The-stack-height-shall-be-mot-less-than-150-fest-high-

2. Stack Height: Minimum stack heights shall be 53 feet above grade. Stacks with a height of at least 150 feet shall be constructed prior to burning residual fuel oil containing more than 0.35% sulfur, except as provided for in "Warranty Testing".

Warranty Testing: The permittee may burn fuel oil containing more than 0.35% sulfur, but not more than 0.7% sulfur, during an initial twelve month warranty testing period: provided, however, that during this test period, the burning of fuel oil containing more than 0.35% sulfur shall be suspended by the permittee during such times that sustained winds may exceed 20 miles per hour for any continuous period of three hours or longer.

Wind Monitoring: The permittee shall measure wind velocity and wind direction at hourly intervals in the plant vicinity, during each period that fuel oil containing more than 0.35% sulfur is burned. Such wind data shall be reported monthly to the Lower St. Johns Subdistrict Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures; the permittee shall submit to the Department the details of its measuring plans at least 30 days prior to burning of fuel oil containing more than 0.35% sulfur.

Rationale and Justification

Based upon the appropriate application of modeling (previously submitted during the public hearing of this matter), to stack heights of approximately 60 feet, and based upon the use of the lower 0.35% sulfur fuel, the permittee believes that the impact on air quality will be less than that shown in the model testified to at the original certification hearings. The modification will allow the permittee to test the units under warranty conditions during the first twelve months of boiler operation, while safeguarding air quality. An estimated capital cost savings to the permittee of \$4,000,000 will be realized through the use of lower sulfur fuel.

4. The permittee shall install and operate continuous monitoring devices on each stack for the following: opacity, nitrogen oxides. Records of such monitoring shall be available for inspection.

Rationale and Justification

Clarification requested by the department.

5. The permittee shall install and operate continuously for a 24-hour period every three days two continuous ambient air,

West-Gaeke, monitoring devices for sulfur dioxide and two suspended particulate samplers sampling devices. After six months of operation, the Department may allow sampling on a six day interval.

The location of these ambient air samplers shall be determined by consultation with the Northeast-Regional-Administrator-of-the Department Lower St. Johns Subdistrict Manager of the Department.

The data collected will be reported to the Regional-Administrator Subdistrict Manager monthly quarterly by the 19th last day of each subsequent month following the reporting period, utilizing the SAROAD or other mutually acceptable format.

Rationale and Justification

The language modification is based upon agreement between permittee and DER Technical Staff as being satisfactory, from a scientific standpoint, to insure that the Department standards will be complied with. Furthermore, the more restrictive limitations of condition #2, resulting in a reduced air quality impact after the twelve month warranty testing period reduce the necessity for continuous monitoring. The change will result in a capital saving to the permittee of approximately \$20,000.

6. Water effluents shall conform to the limitations of Chapter 17-3, F.A.C., including but not limited to those contained in paragraph 7 below.

Rationale and Justification

Grammatical; adds clarification.

7. The following parameters shall be reported monthly to the Regional-Raministrator Subdistrict Manager:

Rationale and Justification

Conforms language to the Environmental Reorganization Act of 1975.

Iffluent Characteristics

Limitations

Monitoring

pump logs.

Continuous recorders or

Flow

that discharge area.
Cooling tower blowdown shall be minimized to the degree allowed by best engineering practice; furthermore, the combined flow to the St.
Johns River from the cooling tower and the chemical waste treatment system shall not exceed 2,200 gpm.

Rationale and Justification

Relocation of the discharge pipe was made to reduce the cost by approximately \$50,000 and to improve the efficiency of the old plant. This modification, requested by permittee, will require permittee's cooling tower to be operated at the maximum number of concentration cycles allowed by best engineering practice, while taking into account the dependence of cooling tower operation upon the quality of the make-up water taken from the St. Johns River and the seasonal fluctuations thereof.

. Temperature

Not to exceed 98°F. at the P.O.D., and not to exceed 92°F. or 5°F. above ambient at the boundary of a 3-dimensional zone of mixing described by a cylinder of 50 meters radius running horizontally from the P.O.D. and which extends vertically to the river surface and river bottom.

Continuous (recorder or logs) at any point between the blowdown discharge at the coolin tower and the 2.0.0. or cooling water into the river.

Rationale and Justification

The change is made on permittee's request and demonstration pursuant to \$17-3.05(3)(f), F.A.C. which authorizes the Department to establish zones of mixing for blowdown discharges from recirculated cooling water systems (cooling towers) and to measure compliance at the P.O.D. A more detailed explanation of this change is incorporated in Attachment "A" which is made a part of this Exhibit "B".

Baily Weekly

50 ppm

Phosphate from to Blowdown tank

Rationale and Justification

This modification requested by permittee will also allow sampling at a point where water chemistry samples are normally taken. Frequency of sampling was decreased to avoid excess data collection on the basis that the phosphate impact on the receiving body of water from blowdown will be negligible. To comply with the initial phosphate monitoring condition would require excess manhours for a negligible environmental impact.

Dissolved Solids

6000 ppm

Daily

pН

6.0 - 8.5

Daily

Floating solids and visible foam

None visible

None

6---The-phosphate-consentration-of-the-59-gpm-"Blowdown

Tank"-chall-not-enced-50-ppm---The-dilution-as-required-to-the

"Blowdown-Tank"-and-"holdup-Tank"-will-not-be-allowed---The-dis
charge-of-phosphate-not-to-exced-50-ppm-and-Total-Dissolved

Solids-not-to-exced-6030-ppm-shall-be-achieved-by-appropriate

treatment.

Rationale and Justification

Duplicative of conditions 7c. and d. as modified; deleted to avoid confusion and misinterpretation.

9---Riffments-to-the-existing-plant-intake-shall-not-be
more-than-1439-gpm-and-shall-be-placed-into-the-intake-in-such
a-manner-as-to-preclude-direct-discharge-to-the-Str-Johns-River-

Rationale and Justification

Duplicative of conditions 7a. and b. as modified; deleted to avoid confusion and misinterpretation.

- 8. Renumbered; same as original condition 10.
- 9. 44- Noncompliance Notification:

If, for any reason, the permittee does not comply with or will be unable to comply with any limitation specification in this certification, the permittee shall provide prompt notification to the Northwest-Regional-Administrator Lower St. Johns Subdistrict

Manager of the Department by telecommunication sent no later than 3:00 p.m. of the next normal work day following the occurrence of such non-compliance, and shall submit with the following information in writing, within forty-eight-(48) ninety-six (96) hours of becoming aware of such conditions:

A description of the discharge and cause of noncompliance; and 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. Rationale and Justification Conforms language to Environmental Reorganization Act. The ninety-six hour time limit will allow permittee adequate time to comply information required to be submitted. Renumbered; same as original condition 12. Renumbered; same as original condition 13. 12. 14- Bypassing: Any diversion or bypass of facilities necessary to maintain compliance with the terms and conditions of this certification is prohibited, except (1) (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 conditions of this certification. The permittee shall promptly notify the Northeast-Regional-Administrator Lower St. Johns Subdistrict Manager of the Department in-waiting of each such diversion or bypass within-24-hours in accordance with the procedure contained in condition #9 of this certification. Rationale and Justification Conforms numbers; conforms language to Environmental Reorganization Act, and NPDES permit requirements. 13. Renumbered; same as original condition 15. 14. #6+ Right of entry: The permittee shall allow the Birestor Secretary of the Florida Department of Politabion-Control Environmental Regulation and/or authorized representatives, upon the presentation of credentials: 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 To have access to and copy any records required to be kept under the conditions of this certification; and To inspect any monitoring equipment or monitoring method required in this certification and to sample any discharge of pollutants -5-

Rationale and Justification

Conforms language to Environmental Reorganization Act.

15. ±7- Revocation or Suspension:

After notice and opportunity for a hearing, this certification may be suspended, or revoked in whole or in part during its term for cause including, but not limited to, the provision of \$403.512, Chapter 403, Florida Statutes, or for failure to comply with the terms and conditions of the certification.

Rationale and Justification

Technical amendment requested by the department.

- 16. and 17. Renumbered; same as original conditions 18. and 19.
- 18. 20. Nothing in this certification shall be construed to preclude the institution of any Tegal action or relieve the permittee from any the responsibilities, requirements, liabilities, or penalties established pursuant to any applicable state statutes, or regulation, including departmental rules and regulations promulgated by the Department pursuant to Chapter 403, F.S.

Rationale and Justification

Change requested by the department to clarify that the permittee must, in addition to the specific terms of the certification, comply with the general requirements of applicable statutes and rules. Should any such terms or conditions of the certification conflict with such requirements of applicable statutes or regulations, the terms of the certification shall prevail. The department and the permittee agree that neither this condition #13 nor any other term of this certification shall constitute a waiver of permittee's right to challenge, in an appropriate administrative forum or in a court of competent jurisdiction, any existing or future statutory provision or rule or regulation of the department or any other agency which may apply to the certified site.

- 19. and 20. Renumbered; same as original conditions 21. and 22.
- 21. 23- No debris shall be discharged to waters of the State from the intake screens with the exception of viable nekton. Additionally, the permittee shall, beginning no later than April 1, 1977, undertake a study to evaluate methods of returning viable nekton collected on the intake screens to ambient temperature waters and shall submit a report presenting results within-tention

(12)-months-of-the-date-of-commencement-of-plant-operation no later than July 1, 1978.

Rationale and Justification

This modification will allow the permittee to evaluate nekton return methods after the expected plant shakedown period.

After December 31, 1976, or six months after 22. 24commencement of boiler operations, whichever event occurs later, free available chlorine shall not exceed an average concentration of 0.2 mg/l and a maximum concentration of 0.5 mg/l during a maximum of one, two-hour period a day. Ho-discharge-of-total residual-chlorine-is-allowed-from-one-unit-while-another-unit-at the-same-station-is-being-chlorinated- Chlorine concentration monitoring shall be conducted two times per week during the period of maximum expected residual at any point between the exit from the cooling tower and the P.O.D. of cooling water in the river. results of such a monitoring shall be reported quarterly to the Regional-Reministrator Subdistrict Manager. Additionally, a study shall be instituted to evaluate all practicable methods to reduce total chlorine (free and combined) levels, including, but not necessarily limited to (1) minimization of chlorine addition commensurate with control requirements, (2) reduction of flow during chlorination, and (3) chemical-seavenging discontinuation of blowdown during chlorination and subsequent periods of high concentration. Results of this study including facilities and/or methods proposed to reduce total chlorine residuals shall be submitted within twelve twenty-four months of commencement of plant operation. Subsequently, chlorination procedures to reduce total chlorine residuals shall be implemented to the extent practicable.

Rationale and Justification

Conforms language to Environmental Reorganization Act. Permits beiler shakedown period prior to requiring compliance; recognizes that both units use a common cooling tower; specifies permissible sampling points; coordinates DER and EPA study factors; allows study submission one year after initial twelve month warranty period.

- 23. Renumbered; same as original condition 25.
- 24. 26. There shall be no discharge release from containment devices or structures of polychlorinated biphenyl transformer finites compounds to waters-of-the-state the environment.

Rationale and Justification

Requested by department as being consistent with present environmental control of such compounds.

25. through 29. Renumbered; same as original conditions 27. through 31.

32:--The-permittee-as-condition-pressiont-to-issuance-of-this
certification-shall-submit-an-application-feey-the-total-amount-of
which-bhall-not-exceed-\$25,000-to-be-applied-toward-the-costs-of
any-study-investigationy-hearing-or-processing-procedures-conducted
pursuant-to-Section-403-501-through-403-5167-F-S-

Rationale and Justification

Condition already met.

30. 33- Renewal Review of Site Certification:

This-certification-shall-expire-five-years-from-data-of-issuancer

Et-is-renewable-by-the-Department-upon-receipt-of-a-request-from

the-permitteer--The-permittee-shall-file-a-written-request-for

renewal-of-site-certification-no-later-than-120-days-prior-to-the

expiration-date---Within-60-days-of-receipt-of-a-request-for
renewal-of-site-certification-the-Department-shall-request-addi
tional-necessary-information-

The-Bapartmant-shall-ranew-the-situ-cortification-apon-a finding-of-the-paratteets-compliance-with-the-conditions-of this-original-cartification-

This certification shall be final unless revoked or suspended pursuant to law. Five years from the date of issuance of any National Pollutant Discharge Elimination System Permit issued pursuant to the Federal Water Pollution Control Act Amendments of 1972, for the Combined Cycle Units, the Department shall review all monitoring data that have been submitted to it during the

extent of the permittee's compliance with the conditions of this certification and the environmental impact of this facility. The Department shall submit the results of its review and recommendations to the Permittee and all parties of record in this certification proceeding.

Rationale and Justification

Makes this condition consistent with those currently being imposed by the DER on other power plant certification applicants.

31. Monitoring Program Review:

The results of the air and water monitoring programs will be reviewed by the Department and Florida Power & Light Company at the end of each year of operation to determine the necessity and/or extent of continuation. The methods and procedures utilized in the monitoring program shall be approved by the Department and also be reviewed annually by the Department and Florida Power & Light Company, and may be modified by agreement of all parties of record in this certification proceeding.

Rationale and Justification

Makes this condition consistent with those currently being imposed by the DER on other power plant certification applicants.

INFORMATION REGARDING THE COOLING TOWER BLOWDOWN DISCHARGE AT THE PALATKA PLANT

The discharge from the cooling tower blowdown of the Palatka Plant will be located approximately 20 to 30 feet south of the existing fuel unloading dock (see Figure 2 for detailed location relative to other discharge pipes).

The proposed discharge will be located at a level approximately 12 feet below the surface of the water as measured by mean low water level. The bottom of the pipe will be two feet from the river bottom and pointed toward marker "11" (F1 4 sec 16 feet x 5m) with respect to the plan view and parallel to the water surface with respect to elevation view.

The attached portion of the National Ocean Survey Chart for the pertinent area provides sufficient data to evaluate the approximate profile characteristics of the river bottom (see Figure 3). Figure 4 provides data on soundings near the Palatka Plant Unit 1 & 2 condenser cooling water discharge area. These data were collected by Florida Power & Light Company personnel on December 27, 1973.

At the proposed point of discharge the East-West distance across the river is approximately 700 meters. The distance from the proposed discharge to a point across the river in line with marker "11" is approximately 1350 meters (see Figure 1).

A sketch of an approximate bottom profile is attached as Figure 5. The location of the pipe will provide for the maximum thermal dilution. Although there are no velocity data for currents available at the exact point of discharge, sufficient and reliable data regarding the flow rates of the St. John's river in the immediate vicinity of the plant are contained in the enclosed study Surface Water Resources of St. John's River Florida" prepared for Florida Power & Light Company by Reynolds, Smith and Hills of Jacksonville, Florida. The pertinent pages are pages 12 and 13 relating to a description of Station No. 2444.50, page 15, Table 2, continued, Table 3 on page 18, and Exhibit 6 describing the average discharge (cfs) vs. drainage area. The plant location is approximately where the plotted line intersects with 6,000 cfs average discharge rate on the horizontal axis of Exhibit 6.

It is planned to attach a reducer at the end of the 10-inch diameter pipe to increase the mixing capabilities of the discharge stream. The exact size will depend on the amount of head pressure loss that is sustainable on the system.

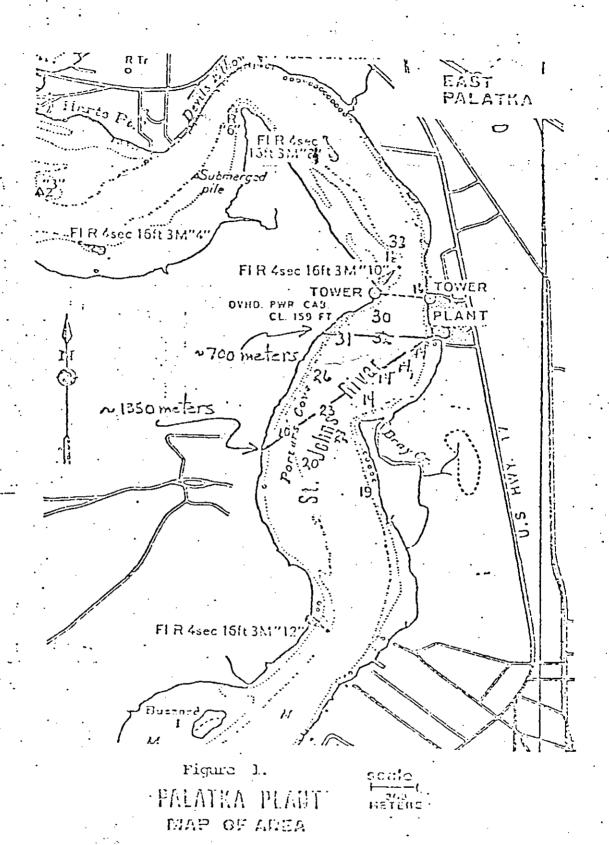
Attached as Exhibit 1 are water temperature plume calculations for the Putnam Plant cooling tower blowdown into the St. Johns River. It is significant that the cross-sectional area of the plume (defined as 0.1°F above ambient) is only about 0.3% of the cross-sectional area of the river at the Palatka Plant. This is determined as follows:

% of cross-sectional river area affected by plume

Estimated cross sectional area of plume x 100
Estimated cross-sectional area of river,

where the cross-sectional area of the plume is estimated to be 180 sq. ft. to the 0.1°F above ambient isotherm, and the cross-sectional area of the river is estimated to be approximately 52,000 sq. ft. at the mean low water level.

Attached as Figure 6 is a sketch of the condenser-cooling tower system indicating typical operating parameters. Of particular importance is the fact that only 0.4% of the original condenser heat load of the condenser is discharged to the river.



- 33 -

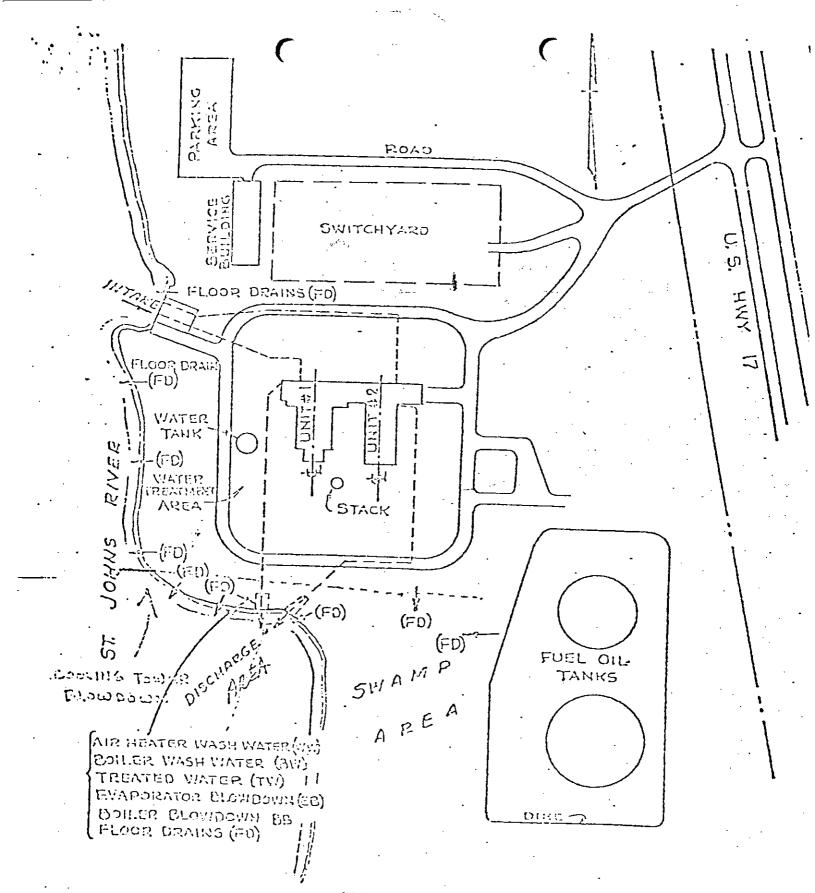
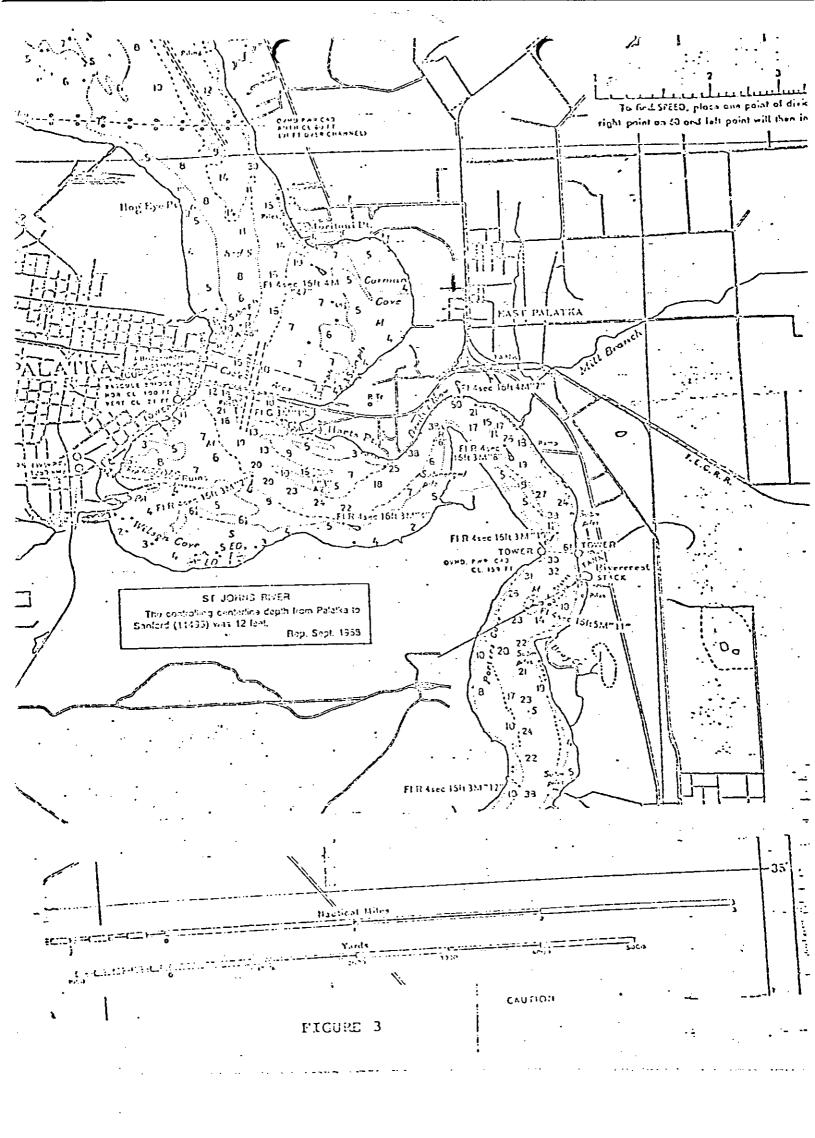
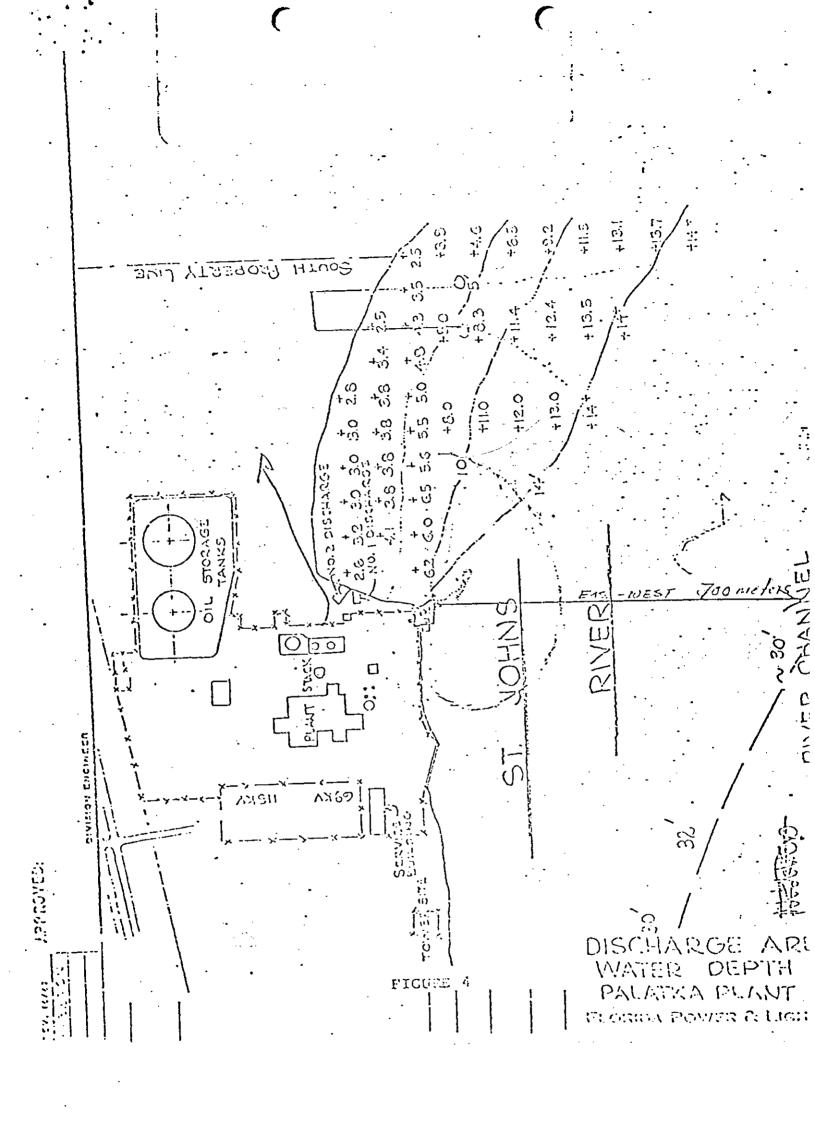


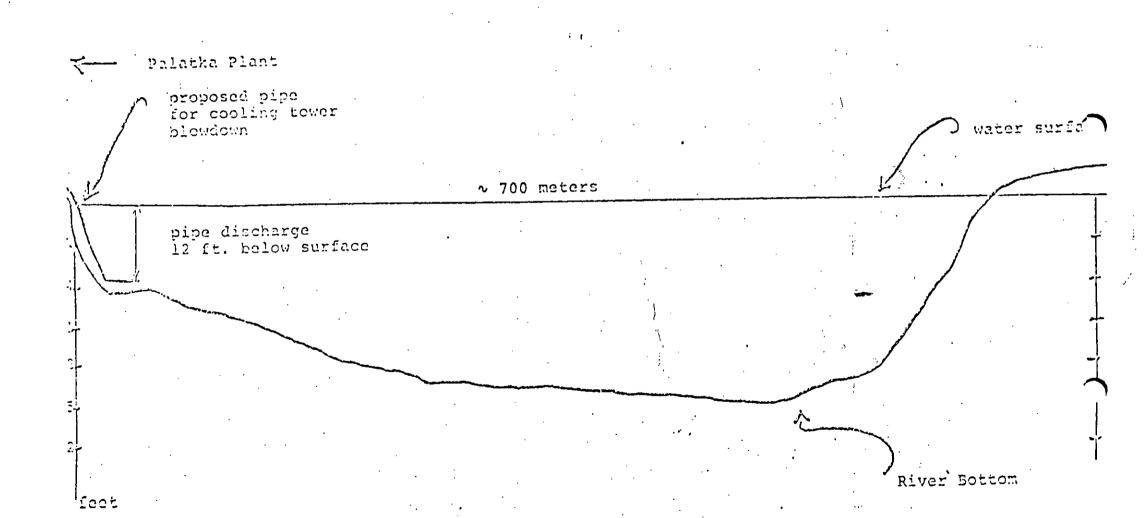
FIGURE 2

PALATES PLANT LAYOUT





•



Approximated from data obtained Coast and Geodetic Survey

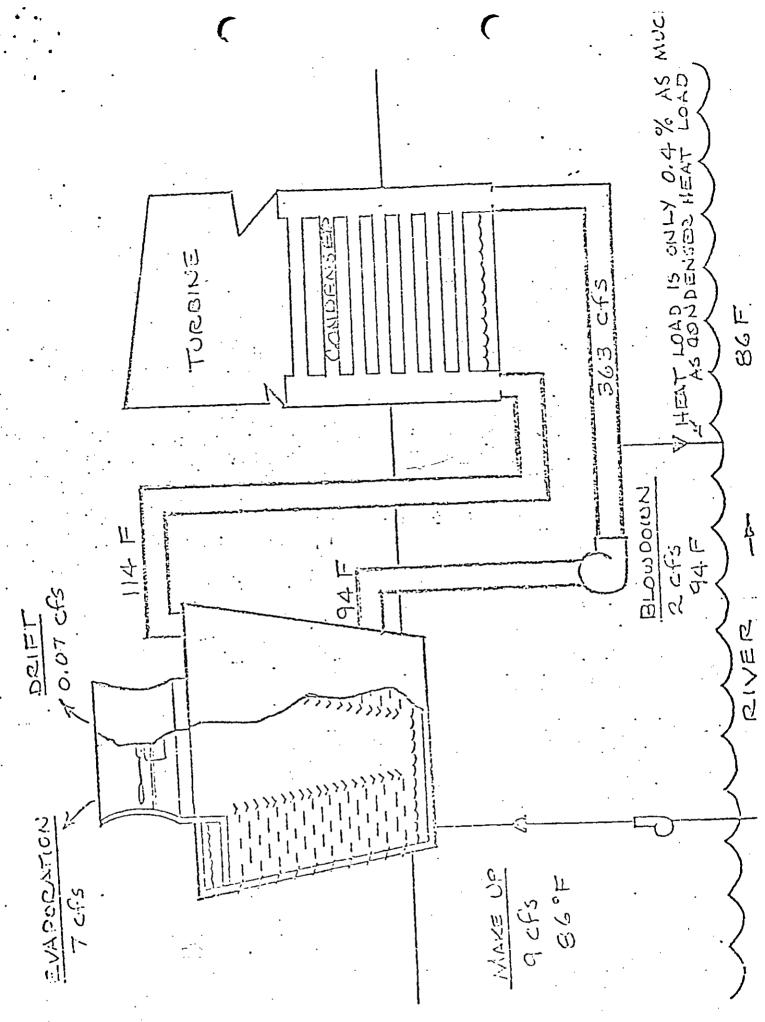


FIGURE 6

EXHIBIT 1

EAST PALATEA PLANT

COMBINED CYCLE UNITS

WATER TEMPERATURE PLUME CALCULATIONS

FOR

COOLING TOWER BLOWDOWN TO ST. JOHNS RIVER

October 1975



PROCEDURES USED:

Submerged bnoyant discharges achieve dilution through initial jet momentum and bnoyant rise of the plume to the water surface. The dilution at the water surface from a submerged bnoyant discharge is influenced by the depth of submergence, the angle of the discharge with respect to the bottom, the absence or presence of ambient currents, and the discharge densimetric Froude number. The procedures used to calculate the dilution achieved in the rise of the plume to the surface and the distribution of excess temperatures at the surface were based on principals and theories of submerged bnoyant discharges set forth and discussed in "Workbook of Thermal Plume Prediction, Volume I, Submerged Discharge, EPA-R2-72-005a, August 1972."

SITE COMDITIONS:

The point of discharge is on the east side of the St. Johns River about 3.4 river miles upstream from the U. S. G. S. Gaging Station at Palatka. A cross-sectional view of the river at the point of discharge is shown on attached drawing. Published flow records for the gaging station began in 1968, and represent flow from a contributing drainage area of 7,320 square miles. The maximum flow recorded was 31,300 cfs on November 5, 1970 and the minimum flow was a reverse flow due to tidal influence of 20,400 cfs recorded on March 24, 1968. The average discharge for the past six years of record is 8,200 cfs. A long term average would probably be in the range of 6,000 cfs.

Daily water temperatures, discharge, and maximum and minimum tide levels for the gage at Palatka are reported in Water Resources

Data for Florida, Parts I and Part II. Copies of this data for water year 1974 are attached hereto.

CRITERIA:

A conservative approach was taken in calculating the plume parameters. Although the period of slack tide is relatively short, the calculations were made for discharge into still water. The following criteria were used:

Discharge Rate - 1,430 gpm, 3.2 cfs

Pipe Diameter - 10"

Angle of Discharge - Horizontal

Depth of Water at Low Tide - 9 feet

Excess Temperature - 10°F

River Flow - Zero

RESULTS:

Water temperatures and plume dimensions resulting from the calculations are shown on attached drawing along with a plan view of the excess temperatures (rise above ambient) at the water surface.

Attachments

(1)	Water Temperatures, W.R.D., Florida, 1974, Part 2, page 49
(2)	Discharges , W.R.D., Florida, 1974, Part 1, page 80
(3)	Maximum Gage Height Part 1, page 81
(4)	Minimum Guga Height Part 1, page 82
(5)	Cross-Sectional View of River at Palatka Plant
(6)	Plume Parameters - Cooling Tower Blowdown

(6)

come st. Jame bisch batte

62765159 See Johns Flore of Palartic, His.

LOCATION. -- Dr. 29°35°64", long 65°32°35", in 14 quarter end. 7, 1.10 St., 8.27 kt., Putner Courty, at quiling station evan centre of agent within being con U. S. 11ghony 17 at Talecka, 6.3 et (10.1 kg) dispotes a feet burns Crook and 35 et (116 kg) upor con form south.

printing and and the state of the second for propositionally designed from a state another stee at about 675 as at (1,750 as be), which is noncontributing except for property.

FERTON DE FIGURE - Charles analysis - June to Octobre 1862, Province 1816 to July 1913 (Locally), January 1814 to cucrent grass.

Natur to presidence: October 1979 to July 1813 (Locally), January 1975 to current year.

THEFTSANTS	(nic.	c)	67	VALUE DOD!	e)	16276	ra	\$2012/272	1516
				10122-5		٠١			

	051	1.72	~ 0.0	,3376	Fiel	**±*4	ر دنه	231	J11	, 3+ PL	~U.C	42.0
(· \ 1	(**:	••••					21.5	23.5	24.0	>1.5	24,4	30.5
1			~		10.2	10.5		21.5	27.	71.5	2-35	38.5
ż					11.5	.11.5	24.0	24.0	3	27.5	22.5	3. 5
3					10.5		- 2			27.5	2	17 . 6.
3					14.0	16.5	24.5	26.6	C	27.5	7	30.0
Š					10.5	1 / S	23.5	2	20.5		,,,,	
•						19.5	23.6	2>	25	27.5	21.5	>= . • '
6					14.0	70.0	21.4	35	25.0	71.5	4 . ~	A
7					19.0	21.5	2	25.5	75.7	21.5	7	23.7
				'	15.5		2	Z • • 0	24.4	>	2	11.5
					13.5	25.0	21.5	2-5	24.4	7	2 4.4	J~.~
12			•		15.0	23.3	¿	2 2		•		
••					11.5	23.5	27.0	خ- د خ	29.5	ンペーコ	2 - 0	2-,7
11			-,-		10 5	71.5	23.	2	/ • • •	73.5	2÷.,	7
15					٠.٠	23.5	7).1	27.5	29.3	> 1. *	~ 24.6	>1-4
13					15.0	22.1	23.4	24.5	. 21.0	· • • • •	\$3.n	33.6.
1 -					10.5	21.6	27.5	65.9	24.4	2,0		>4 -
15 .					(4.)	21.0			•.	•	•	
_				17.5	15.5	71.5 -			2-,-	. 24	4.	? ·
15				٠, ٠	14.0	21.0	?1.°	25.5	27.5	20.4	2,9	
17				23.0	30.0	25.5	21.7	25-5	20.0	> ->	50.	2).
10				20.5	17.5	21.5	21.5	7=.5	<i>?</i> ".	ን ዮ• የ	24.0	> . ~
15				26 S	16.0	21.5	21.5	21-7	74.5	27.2	50.0	5
Zv				£ 14 ± 1						<u>.</u> .	• .	24.6
				20.5	14.5	22.1	27.7	· >7.5	27.5	77	Ž1	
51					12.5	57.6	22.5	£1.5	20.5	5-7, 4	~. تح	23.
55				21.0	15.0	22.6	22.5	27.9	34.6	23.1.	2.4.4	J I
53				21.0	10.5	21.5	2	そせいひ	19.4	2.5.5.	24.5	· · ·
24				21.0	17.5	21.5	27.0	22.5	~ · ~	> 3.4	5 a _ tr	21.0
. 2 -				_ ,	•							
	Ξ.			21.5	15-5	21.1	77.5	74.5	2 1.1	>6."	23.0	37.5
25	*			21.	14.0	70.5	27.0	٠-, د	21.5	72.5	50.	₹1.~
51				20.3	15.5	21.6	23.0	÷ 6-	21	77. 1	24.5	27.**
2-				20.5		22.5	21.0	27	71.5	24.5	30.0	27. *
2 +				20.6		23.0	23.0	24.0	21.5	24.1	3^	27.6
30				20.0		23.5		2~.7		, 54.5	31.5	
31				٠.١	-						_	
►0;41 ==				•	10.0	71.0	22.5	>0.0	,4.9	به رو د .	< · · ·	7
			44 734	14.5	4530	25.0	•			. •	_	

CTE ST. JUILS RIVER BASTN

92241659 St. Johns Elvar at Palatha, Fla.

modul 227327407, 1002 81°77'37". In the garreer err. 7, T.10 St., F.77 E., Pathia County, ment center of again hadde bettle on Mightey 17 at Petersa, 6.3 bt (but to) documented from Duans Creat and 78 et (176 to) unstroug from Louch.

DIVIDUES FIRE-1,045 of 61 (18,228 of Lm), revised, decides layous Pretrie, a disci stabled erea of about 630 of 61 (1,624 of 80), sewheel, which is necessarized except for perpaga.

Pretty CI fichibit-Indiana 1962 to excreat year.

CATIL--barer-etage and deflection-arter recorder. Deten of gaps to 10.50 fc (3.014 g) below mean rea level.

ANTHROE BISTONESCO. -- 5 years, 5,175 cfs (231.5 cu e/s), 5,524.000 Acte-fe/yr (7.30 cu in/yr).

Extrivible-Current year: Protoun delty district, 28,700 cfs (17) to n/s) Cot. Bit continue maps beight, 13.01 fc (3.755 m) Sape. 76; protoun delty revocat flow, 9,210 cfs (451 cm n/s) far. 16; eletions gigs beight, 7.21 fc (4.813 m) Jon. 75, Mac. 21. protoun delty revocat flow, 9,210 cfs (451 cm n/s) force 3, 1970; maximum gage beight, 13.50 fc (4.27) m) forced of record. Protoun delty district, 31.300 cfs (570 cm n/s) Jon. 5, 1970; maximum gage beight, 13.50 fc (4.27) m) Sape. 30, 1989; maximum delty revocat flow, 20,600 cfs (570 cm n/s) Jon. 6, 1752, corrected; minimum gage beight, 8.55 fc (2.601 m) Fro. 16, 1771.

Minch 3.—Putnets fair. Fine at includity title. Discharge computed using continuous valuably record extained from executing deflection mater. The stage through published is the maximum and minimum title event for each calender day. Pecceds of chemical analyses and water temperatures for the current year are published in Park 2 of this report.

				, .					• .	-		. •
-		DISCHAR	SE. I. CU	SIC FEET	PER SECON	43754	1543 UC10	. LTF[43F	IN SEPTEM	PES 1774		·
•	001	1104	DEC	Juli	FEU	. NV0	APR *	H24	JAIN	JUL	100	SEP
DAY	UC.							-	_ '		33	22.120
٠,	22.400	20.100	17,900	14.000	215	12.800	14.900	10.700	K, 977	19.000	52,000	21.500
ż	15.500	17.462	10.600	11.200	4.9-5	13.500 .	12.000	3.0.3	9,430	20.400		13.730
· 5	12.000	15,000	6.710	5,000	10,503	12,550	6.613	7. ^ 4 3	4.275	21.000	17.400	
4	10.500	15.000	11.103	12.000	-547	11.000	lo,≯on	3,470	-5.529	21.760	18.900	17,000
. š	7.700	13,900	17,000	6,010	144	7.770	4,150	5.030	-7,945	21+300	17-100	11.500
					4,550	8.350	755	-3.5-9	-1.570	21.623	10.000	13,503
6	3.857	79	1,930	10.000	7.319	6.450	6.152	-1.7.6	4.340	21.930	14,500	13.400
7	1.750	6.710	3.410	17.000	5.935	2.9.0	9.2/0	-231		19,000	19,500	20.000
. 8	8.940	4.940	-717	10.663		5,930	622	844	7.113	17.100	17,930	15,600
9	13.000	10.703	3,710	7,000	912 -5n4	5.250	ຂາຂໍ	4,900	A.573	21,300	19.700	12.400
. 10	10.500	-5.180	10.500	14.000	, -5114	3.230		4.03				
	9.730	-7,650	11.520	6.000	3,510	5,630	5.200	15.100	13,700	20.900	14,200	13.333
11	9.750	-857	15.102	7.000	4.599	263	6.570	14.200	6.000	15,100	10.500	15.920
15		13.500 -	16.710	6.000	6.750	-5.570	B. 130	-3.120	6.536	3.320	37,663	12,722
13	9.710	18,400	15.002	10.000	11.200	-9,210	11:400	1.200	1,910	13.100	303	16.500
10	3.210		13.1.0	12.000	13,500	6.040	9.490	7,539	5,020	17.900	24.330	17.400
15	15.100	17.500	1311.0	100.00	3-1.05	- • • •	• -				2- 6	14.500
15	17.400	10.900	3,270	16.400	7.000	13.700	4,593	5.250	6.000	23.860	23.500	21.133
' ii	9 709	12.400	10,300	10.702	-4.100	10.700	4,300	4,430	13.463	21.300	14,917	16.933
. ;;	-1.3	11.000	13,700	11,200	2.450	12.320	-2.650	5.300	10.500	10,700	14,700	
17	3,500	11.700	5.630	3.510	19,300	12.320	1,630	7,763	5,600	50.300	16.900	16.500
20	3.310	12.160	13.700	8.010	6.333	11.100	3,753	2.740	7.150	18.350	C 24 A	15.100
			20.700	11.205	7.4.0	13.500	3.230	-5.230	9.540	16.800	11.000	21.300
\$1	6.910	13.500	19.400	8.533	15,100	-3.470	5.970	-3,440	7.100	5.040	15,500	22.030
22	4.150	11.100	15.000	8.040	7,200	-3.130	6,450	4.330	8.030	. 9,860	14.500	895
53	4,610	7.033	10.000	9.7.0	5.460	315	3.540	4,230	17,500	14.500	24.823	4,150
2.	3,570	11.500		10-200	1.450	557	-6,510	2.830	2.910	21,600	23.000	137
25	6,700	15.703	14.500	10000	2,000		,		,			
25	11.300	14.193	10.000	11.800	4.312	-4.910	-4,650	7.970	074	53.600	24.590	17.200
27	15.730	14.200	12.000	11.100	1.610	4,450	49	\$.150	2.110	23.100	22.330	27.000
24	19.036	16.000	14,000	12.750	8,400	9,070	6,533	1.610	11.700	22,570	24.200	27.900
5.5	25.000	6.013	16.000	12.900		17.700	6.160	6 (0,90	14-300	17.300	23.500	25.000
3,	24.723	€.740	13,032	10.100		17.600	10,300	9,540	10,900	18,530	25.200	17.700
31	22.200		11.200	5.000		16.200.		30+300		20.400	25.000	
31	:64200									6/2 122	403 933	473.473
TOTAL	351.777	332.720	372.651	3:3.530	107,535	209.722	153,072	103.593		5/3,123	693,993	
M. 73	11.010	11.020	12.030	10.110	5,255	6,757	2.155	4,293	6,707	18,490	17,540	15,450.
H13	21.200	20.105	20.100	15.700	13.523	17.700	14.900	15.100	15.260	23,500	25.240	27.700
1-111	-753	-7.550	-713	3.510	-4.1-0	-9,210	-5.510	-5.230	-7.549	3,323	30.503	-4.150
AC-FT	677.590	656.000	737.233	651.903	272+499	415-103	303.600	254,000	403,900	1.131#	1.2004	918.800
				PEAR 9	351 MAX	(23.203	KIN -17.	70a AC-	FF 6.677	033		
Car At	1 2222 2	CTM. 3-37	5,642.03	01 PAE4		1 23.20g	HIN -9		F1 7.697			٠.
- L (i) Y	2 1974 (21 AL 3.83		6 T P 4 10	£033 04:							

HIN -9.210 TESTO HAZE MTZ 53.500

OPE ST. JOB'S BUTTER BUST!

07211650 St. Johns Piece at Palatka, Fla.

	•			**
MAYIAGA COPE	the Confro 1	IN FEET, NAME AND	4 OCTOBER 1973	10 SCP1EHBS 2 1974

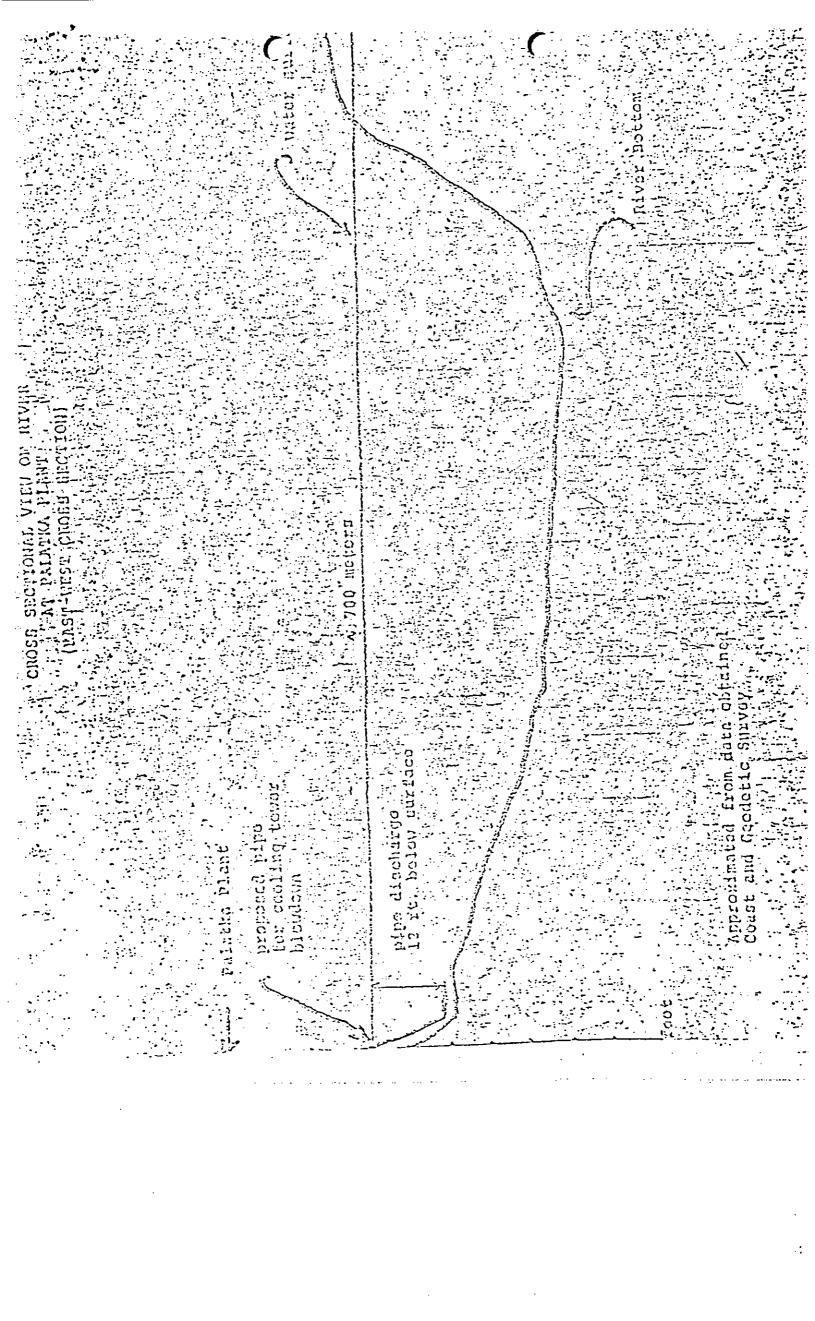
G: Y	פרג	no?	OFC	. Jaw	FEU	нда	· APP	, PAT	JUH	JH.	eUG.	SEP
1	17.00	11.45	11.23	11.78	10.72	10.79	10.65	10.73	:0.00	11.64	11.46	11.25
۶	12.54	11.56	11.24	11-14	10.91	16.55	10.45	10.70	10.63	11-60	11.42	11.73
ā	12-11	11.54	11.44	11-17	10.74	10.53	10.75	19.73	11-01	11.49	11.51	11.62
í	12-11	11.0	11.47	10.96	15.73	10.55	10.43	10.71	11.25	11-43	13.54	
5	13.17	11.97	11.02	10-69	11-13	10.51	11-01	10.44	11.55	N-52	11.57	31.43
-					_					F1 + 26	11.51	11.79
6	12.42	13-97	11.77	12-50	11.14	10.5%	11.05	11.12	11.55	11.58	11.64	11-97
ĭ	13.59	11.25	11.39	11-00	. 11.17	10.73	10.85	11.20	11.40	11-56	11.65	11.68
É	12.53	11.42	11.71	11.51	11.07	10-72	16.95	11.22	11-29	\$1.65	11.57	12-61
ÿ	12.4	11.77	11,54	11.17	11.15	17.71	10.97	11.33	11.21	11.51	11.65	12.24
10	12.50	12.31	11.60	11-24	11.14	10-70	10.60	11.27	11-10	11.57	11-75	12-32
••	•		•				•				*****	15.35
31	17.54	12.55	11.50	11.00	11-11	10.74	10.77	11-05	11.01	11.45	11.54	12.35
13	15.42	12.43	11.64	11.25	11.53	10.70	19.07	10.61	11.21	11.71	12.00	12.37
13	12.55	12.14	11-41	11-23	11-00	11-27	10.73	15.9;	11-10	11.57	12.63	12.30
i-	2.5.	11-40	11.26	11.21	19.84	11.34	10.50	11-00	11.25	11.85	11.94	
.15	12.35	11.73	11.26	11.13	10.63	21.25	10.44	10.95	11.38	11.73	11.95	12.35
						•			.,	210.5	11275	12.35
15	12.21	11.51	11.44	10.93	10.83	10-45	10.55	10.97	11-40	11-71	11.55	12.34
17	12.37	11.50	11.37	19.55	11.23	10-70	10.70	12.95	11.25	11.64	11.78	12.29
ie	12.53	11.70	11.27	19.77	11.05	10.57	10.79	10.92	55.11	11.59	12.50	12.25
ir	12.40	11.66	11.45	11.64	11.37	10.50	10.90	19.41	11.34	11.61	12.07	12.41
Žัง	12.55	11.53	11.4.	. 11-00	11.00	10.59	10-97	10.91	11.33	31.55	12.19	12.34
	•				•	• •					.*****	12.34
21-	12.65	11-57	11-25	10.75	10.99	10-47	12.95	11.32	11-33	11.57	12.23	12-10
2.5	17.71	11.60	10.80	10.97	10.30	10.71	11.01	11.44	11.30	12.00	12.23	11.42
53	12.E	11.65	11.25	10.95	10.98	11.25	10.83	. 11.37	11.27	50.51	12.14	35.40
24	12.97	11.55	11.37	10.95	10.85	11.27	10.77	11.13	11-13	11.57	11.95	13.01
25	12.73	11.59	11.7.2	10-91	10.55	11.59	11-10	11-11	11.62	11.71	11.85	12.92
	•				• • • • •				••••			12.72
26	12.62	11.49	11.17	10.83	+5:01	11.65	11.16	11.10	11.88	11.50	11.73	12.61
27	12.6-	11.47	11.33	10-79	10.8	11.57	11.19	11.03	17.06	11.33	11.65	12.55
ŽH.	12.54	11.32	11.48	10.53	10.80	11-43	11-05	11-14	11.99	11-45	11.55	15.33
23	12.33	11.21	11.55	10.54			10.93	11.07	11.95	11.45	11.55	12.15
30	11.05	11.35	11.41	10.59		10.95		11.02	11.65	11.53	11.51	12.17
31	11.34		11.42	10.60		10-50		10.83		11.59	11.34	
	•••		. •••				-				****	
P524	12.45	11.70	11.33	10.97	10.78	10.92	10.95	11.02	11.35	11.63	11.65	12.18
74.4	12.98	12.55	11.85	11.33	11.39	11.45	11.16	11.44	12-05	50.51	12.23	13.01
2-1:4	11.34	11.21	10-90	10.54	10.63	10.47	10-44	10.61	13.60	11.33	11.34	
•									*3+60	****	* 1 - 2 -	11.53

EEF 44 1414 HEEF 11.55 WW 15.40 ML: 10.29

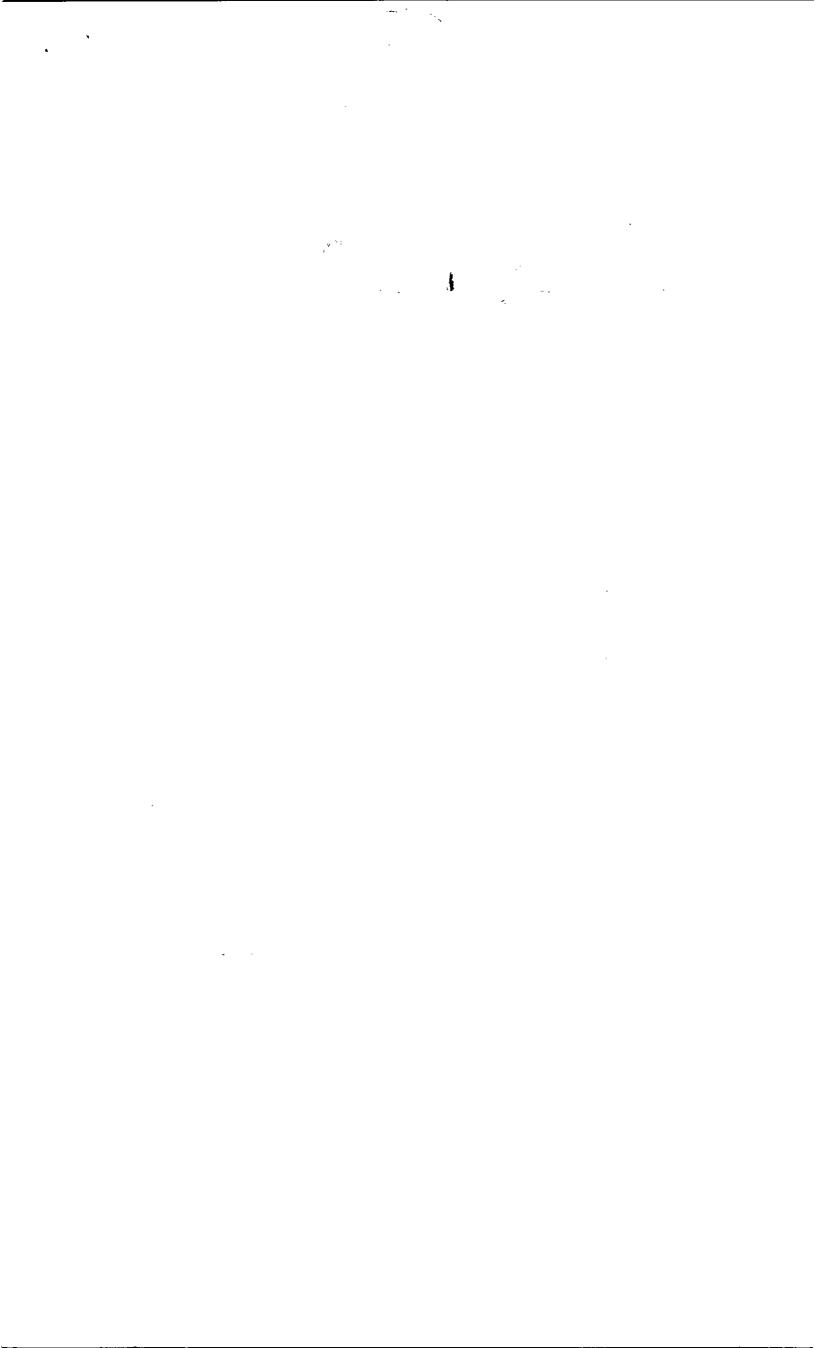
9.91 9.55 9.52 9.42 9.70 9.70 9.34 16.0 9.34 9.41 9.59 10.07 10.11 10.14 10.14 9.59 9.34 9.25 9.39 9.39 9.37 9.38 9.53 9.53 9.53 10.20 10.14 10.24 10.23 10.10 10.25 10.25 10.35 10.35 9.63 9.65 9.63 10.00 9.41 9.44 9.77 9.57 9.95 9.23 10.13 10.56 10.56 9.83 9.51 9.51 9.83 9.35 9.35 9.33 9.33 9.33 9.51 9.47 9.35 5.32 9.51 10.56 10.33 10.35 10.35 10.22 12.14 10.11 10.22 9.93 19.32 10.28 19.33 10.43 14.67 10.40 13.50 13.60 10.66 10.55 9.90 9.90 9.93 11.65 11.65 11.68 19-05 9.93 9.97 9.77 9.77 9.87 9.6% 9.77 9.5% 9.6% 9.50 10.31 10.44 11.53 10.74 10.53 [A.e] 59.01 11.11 10.01 18.01 9.31 9.47 9.43 9.43 IC.07 9.57 9.65 5.51 5.16 9.25 9.72 9.49 9.10 9.84 11.25 11.25 10.55 10.55 9.76 11.47 11.53 11.53 11.33 11.24 11.21 11.11 10.12 10.64 10.63 10.67 10.75 10.63 10.85 9.73 9.55 9.45 9.77 9.30 9.51 9.57 9.50 9.84 9.70 9.56 9.65 9.49 9.45 9.45 9.37 9.50 9.70 9.41 9.70 9.75 9.79 9.45 9.53 9.67 10.07 .9.93 .9.95 .95 11.02 11.17 11.55 11.55 11.51 10.33 19.37 10.54 10.51 10.45 61.01 65.01 69.01 61.01 51.01 10.27 16 17 18 19 20 10.04 10.09 10.05 10.03 9.7/ 9.52 9.40 9.45 9.55 9.95 9.95 9.85 9.85 19.28 10.59 10.72 10.64 10.38 11.03 11.63 10.79 10.78 10.42 10.39 10.39 10.41 10.43 57.9 9.41 9.90 9.89 9.83 9.83 9,61 9,70 9,70 9,73 9,65 9.72 9.43 9.42 9.43 9.55 9.73 9.55 9.68 10.05 10.02 10.05 9.47 9.55 9.76 11.67 11.57 11.70 11.70 21 23 24 25 9.77 9.85 9.81 9.93 9.59 10.97 9.69 9.67 10.15 10.23 5.76 9.51 9.57 9.23 9.24 9.29 9.57 9.66 9.71 10.17 10.35 10.18 9.72 9.75 9.82 9.49 9.79 \$.55 9.50 10.54 10.93 10.71 10.43 10.32 10.10 10.12 10.05 10.31 10.31 10.56 10.41 10.29 10.20 10.05 9.92 10.26 25 27 27 27 10.20 11.55 11.41 11.23 10.74 11.02 9.54 9.82 9.25

10.09 10.93 9.63

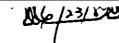
10.33



्राप्त पार्थात्र भार







12-16-8

JACOB D. VARN SECHETARY

e is with the book of the familial of the production of the family of th

constantibilistikanın kalının <u>kalın</u>akalı kalındı

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

TO:

All Parties of Record

FROM:

Louis Mubener

DATE:

June 18, 1980

RE:

Florida Power and Light Company Palatka Station (Putnam Plant), Modification of Conditions of

Certification.

Attached please find a copy of the Order for Modification of Certification signed by the Governor and Cabinet on May 20, 1980. Please accept our apologies for the delay, but it seems the Order was misplaced enroute to being signed.

If you have any questions, please do not hesitate to call.

LH/bsh

Attachment

original typed on 100% recycled paper

Indi Also.

HOPPING BOYD GREEN & SAMS

ATTORNEYS AND COUNSELLORS

BUITE 480, LEWIS STATE BANK BUILDING POST OFFICE BOX 6826

TALLAHASSEE, FLORIDA 32301 mo4 222-7500

WILLIAM L. BOTO, IV WILLIAM N. GREEN WADE L. MOPPING RICHARD D. MÉLSON GART P. SAMS JOHN C. WHITE

OF COUNSEL, CARLOS ALVAREZ W. ROBERT FORES

BRIAN N. BIBEAU

WILLIAM D. PRESTON

DAVID B. DEE

June 30, 1980

Mr. W. J. Barrow, Jr. Plorida Power & Light Company Post Office Box 529100 Miami, Florida 33152

Re: FPL Putnam Plant Certification Modification

Dear Buzz:

Enclosed for your files you will find a copy of the Order for Modification of Certification signed by the Governor and Cabinet on May 20, 1980. As you can see, this Order incorporates the changes which we requested on FPL's behalf.

There apparently was some delay in having this order signed as we did not even receive our copy from DER until recently. Should you have any questions concerning this matter, please call.

Sincerely,

William D. Preston

WDP/sb

Enclosure

cc Wade L. Hopping
William H. Green
W. S. Tucker

110000

JUN 12

BEFORE THE GOVERNOR AND CABINET OF THE STATE OF FLORIDA

Dept. of Environmer Office of Gener:

In Re: FLORIDA POWER AND LIGHT COMPANY PALATKA STATION (PUTNAM PLANT), MODIFICATION OF CONDITIONS OF CERTIFICATION.

The following persons were present and participated in the disposition of this matter:

Honorable Bob Graham Governor

Honorable George Firestone Secretary of State

Honorable Jim Smith Attorney General

Honorable Gerald A. Lewis Comptroller

Honorable Bill Gunter
Treasurer and Insurance Commissioner

Honorable Ralph D. Turlington Commissioner of Education

Honorable Doyle Conner Commissioner of Agriculture

MODIFICATION OF CERTIFICATION

BY THE GOVERNOR AND CABINET:

The Governor and Cabinet, sitting as the Board, having heard presentations by the parties, having reviewed the stipulation of the parties dated May 5, 1980 (attached and incorporated as Exhibit 1), and being otherwise fully advised herein, it is ORDERED:

- 1. The stipulation of the parties is approved in accordance with Section 403.516(2), Florida Statutes.
- 2. Conditions Nos. 1 and 2 imposed upon Florida Power and Light Company's Putnam Plant by this Board's Order dated October 16, 1974, are hereby modified as follows:
 - 1. Fuel consumed should not contain more than 0.7% sulfur nor should stack emissions exceed those specified in Chapter 17-2.05(6), Table II, E., Florida Administrative Code.

2. Stack Height: Minimum stack heights shall be 71 feet above grade. Stacks with a height of at least 150 feet shall be constructed if monitoring data per Condition 5 indicates ambient air standards would be violated.

Wind Restriction: The permittee will burn fuel oil containing no more than 0.50% sulfur when sustained winds exceed 20 miles per hour for any continuous period of three hours or longer.

Wind Monitoring: The permittee shall measure wind velocity; and wind direction at hourly intervals in the plant vicinity. Such wind data shall be reported monthly to the Lower St. Johns Subdistrict Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures."

DONE AND ENTERED this Act day of May, 1980, in Tallahassee, Florida, subsequent to a vote of the Governor and Cabinet at a duly constituted Cabinet meeting of May 20, 1980.

BY THE GOVERNOR AND CABINET SITTING AS THE BOARD:

BOB GRAHAM Governor

VOTE:

For:

Against:

Copies furnished to:

Wade L. Hopping, Esquire
William S. Bilenky, Esquire
Mary F. Clark, Esquire
Louis Hubener, Esquire
Brian E. Michaels, Putnam County

-2-





BEFORE THE GOVERNOR AND CABINET OF THE STATE OF FLORIDA

In Re: FLORIDA POWER & LIGHT)
COMPANY PALATKA STATION (PUTNAM PLANT),)
MODIFICATION OF CONDITIONS OF)
CERTIFICATION NO. PPS-74-01.

The following persons were present and participated in the disposition of this matter:

Honorable Bob Graham Governor

Honorable George Firestone Secretary of State

Honorable Jim Smith Attorney General

Honorable Gerald A. Lewis Comptroller

Honorable Bill Gunter Treasurer and Insurance Commissioner

Honorable Ralph D. Turlinton Commissioner of Education

Honorable Doyle Conner Commissioner of Agriculture

MODIFICATION OF CERTIFICATION

BY THE GOVERNOR AND CABINET:

The Governor and Cabinet, sitting as the Siting Board, having reviewed the Proposed Agreement (attached hereto and incorporated as Exhibit 1) and being otherwise fully advised herein, it is

ORDERED:

- 1. The Agreement of the parties is approved in accordance with Section 403.516(2), Florida Statutes.
- 2. Conditions Nos. 1, 2, 4 and 5 of the Site Certification for Florida Power and Light Company's Putnam Plant are hereby modified to read as follows:
 - 1. Fuel consumed should not contain more than 0.7% sulfur nor should stack emissions exceed those specified in Florida Administrative Code Rule 17-2.600(6).
 - 2. Stack Height: (no change)

Wind Restriction: (no change)

Wind Monitoring: The permittee shall measure wind velocity and wind direction at hourly intervals in the plant vicinity, only for those hours during which either unit of the plant operates on oil. Wind data for the hours during which oil was burned during each month or, if applicable, a statement that no oil was burned during that month, shall be reported to the Northeast District Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures.

- 4. The permittee shall install and operate continuous monitoring devices on one of the paired exhaust stacks for the following: Opacity, Nitrogen Oxides. Records of such monitoring shall be available for inspection.
- 5. The permittee shall install and operate continuously for a 24-hour period every six days, two ambient air, West-Gaeke, monitoring devices for sulfur dioxide and two suspended particulate sampling devices. The location of these ambient air samplers shall be determined by consultation with the Northeast District Manager of the Department. The data collected will be reported to the Northeast District Manager quarterly by the last day of each month following the reporting period utilizing the SAROAD or other mutually aceptable format.
- 3. Condition No. 32 is hereby added to the Site Certification for Florida Power & Light Company's Putnam Plant, to read as follows:
 - 32. Modification of Conditions

The conditions of this certification may be modified in the following manner:

- A. The Board pursuant to 403.516(1), F.S., hereby delegates to the Secretary the authority to modify, after notice and opportunity for hearing, any conditions pertaining to air and water monitoring and sampling, variances, or exceptions to water quality standards.
- B. All other modifications shall be made in accordance with Section 403.516, Florida Statutes.

DONE AND ENTERED this _____ day of March 1984, in Tallahassee, Florida, pursuant to the vote of the Governor and

Cabinet sitting as the Siting Board at a duly constituted Cabinet meeting on February 21, 1984.

BY THE GOVERNOR AND CABINET SITTING AS THE SITING BOARD:

Bob Graham Governor

Copies furnished to:

Peter C. Cunningham, Esquire Mary F. Clark, Esquire, DCA Kenneth Morris, Putnam County Susan Clark, Esquire, PSC J. Alan Cox, Esquire, DER

F[LING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to \$120.52 (9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk Date

BEFORE THE GOVERNOR AND CABINET OF THE STATE OF FLORIDA

In Re: FLORIDA POWER & LIGHT COMPANY PALATKA STATION (PUTNAM PLANT), MODIFICATION OF CONDITIONS OF CERTIFICATION NO. PPS-74-01.

CGC # 82-0730

The following persons were present and participated in the disposition of this matter:

Honorable Bob Graham Governor

Honorable George Firestone Secretary of State

Honorable Jim Smith Attorney General

Honorable Gerald A. Lewis Comptroller

Honorable Bill Gunter
Treasurer and Insurance Commissioner

Honorable Ralph D. Turlington Commissioner of Education

Honorable Doyle Conner . Commissioner of Agriculture

MODIFICATION OF CERTIFICATION

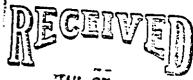
BY THE GOVERNOR AND CABINET:

The Governor and Cabinet, sitting as the Siting Board, having reviewed the Proposed Agreement of Parties to Modify Conditions of Certification (attached hereto and incorporated as Exhibit 1), and being otherwise fully advised herein, it is ORDERED:

- 1. The Agreement of the parties is approved in accordance with Section 403.516(2), Florida Statutes.
- 2. Conditions Nos. 1, 2, 4 and 5 of the Site Certification for Florida Power and Light Company's Putnam Plant are hereby modified to read as follows:
 - 1. Fuel consumed should not contain more than 0.7% sulfur nor should stack emissions exceed those specified in Florida Administrative Code Rule 17-2.600(6).
 - 2. Stack Height: (no change)

Wind Restriction: (no change)

Wind Monitoring: The permittee shall measure wind velocity and wind direction at hourly intervals in the plant vicinity,



JAN 25 1984

Dept. of Environmental Regulation
Office of General Counsel

only for those hours during which either unit of the plant operates on oil. Wind data for the hours during which oil was burned during each month or, if applicable, a statement that no oil was burned during that month, shall be reported to the Northeast District Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures.

- 4. The permittee shall install and operate continuous monitoring devices on one of the paired exhaust stacks for the following: Opacity, Nitrogen Oxides. Records of such monitoring shall be available for inspection.
 - 5. The permittee shall install and operate continuously for a 24-hour period every six days, two ambient air, West-Gaeke, monitoring devices for sulfur dioxide and two suspended particulate sampling devices. The location of these ambient air samplers shall be determined by consultation with the Northeast District Manager of the Department. The data collected will be reported to the Northeast District Manager quarterly by the last day of each month following the reporting period utilizing the SAROAD or other mutually aceptable format.
- 3. Condition No. 32 is hereby added to the Site Certification for Florida Power & Light Company's Putnam Plant, to read as follows:
 - 32. Modification of Conditions

The conditions of this certification may be modified in the following manner:

- A. The Board pursuant to 403.516(1), F.S., hereby delegates to the Secretary the authority to modify, after notice and opportunity for hearing, any conditions pertaining to air and water monitoring and sampling, variances, or exceptions to water quality standards.
- B. All other modifications shall be made in accordance with Section 403.516, Florida Statutes.

DONE AND ENTERED this ____ day of March 1984, in Tallahassee, Florida, pursuant to the vote of the Governor and

Cabinet sitting as the Siting Board at a duly constituted Cabinet meeting on February 21, 1984.

BY THE GOVERNOR AND CABINET SITTING AS THE SITING BOARD:

Titt E.

Bob Graham Governor

Copies furnished to:

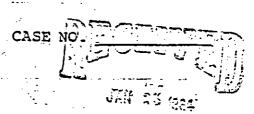
Peter C. Cunningham, Esquire Mary F. Clark, Esquire, DCA Kenneth Morris, Putnam County Susan Clark, Esquire, PSC J. Alan Cox, Esquire, DER

BEFORE THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

IN RE:

Florida Power & Light Company, Palatka Station: Modification of Conditions of Certification No. PPS-74-01, Putnam County, Florida,

Permittee.



Dept. of Environmental Regulation Office of General Counsel

PROPOSED AGREEMENT OF PARTIES TO MODIFY CONDITIONS OF CERTIFICATION

The parties who previously entered formal appearances in the original site certification proceedings hereby STIPULATE AND AGREE as follows:

- 1. The signatories to this Agreement include all of the parties to the above mentioned certification proceedings.
- 2. On October 16, 1974, Florida Power & Light Company (the "Permittee") was issued site certification by the Board of the Department of Pollution Control authorizing the construction and operation of the "Putnam Plant" subject to certain Conditions of Certification.
- 3. Upon stipulation of the parties, the Governor and Cabinet modified the Conditions of Certification pursuant to Section 403.516(2), Florida Statutes, on May 18, 1976 and May 20, 1980. In addition, by stipulation dated September 26, 1978, the Conditions of Certification were modified by agreement of the parties, pursuant to Section 403.516(2), Florida Statutes, and Condition No. 31.
- 4. By letter dated November 22, 1983, the Permittee proposed additional modifications to Condition Nos. 1, 2, 4 and 5, respectively, of the Conditions of Certification, and proposed the addition of a new Condition No. 32.
- 5. Wherefore, pursuant to Section 403.516(2), Florida Statutes, and Florida Administrative Code Rule 17-17.211, the parties hereto agree that Condition No. 1 of the Certification should be and is hereby amended and modified to read as follows:

1. Fuel consumed should not contain more than 0.7% sulfur nor should stack emissions exceed those specified in Florida Administrative Code Rule 17-2.600(6).

6. Wherefore, pursuant to Section 403.516(2), Florida Statutes, Florida Administrative Code Rule 17-17.211 and Condition No. 31, the parties hereto agree that Condition No. 2 of the Certification should be and is hereby amended and modified to read as follows:

2. Stack Height: (no change)

Wind Restriction: (No change)

Wind Monitoring: The permittee shall measure wind velocity and wind direction at hourly intervals in the plant vicinity, only for those hours during which either unit of the plant operates on oil. Wind data for the hours during which oil was burned during each month or, if applicable, a statement that no oil was burned during that month, shall be reported to the Northeast District Manager of the Department by the last day of each month following the reporting period. Wind velocity and direction measurements required by this paragraph shall be made in accordance with recognized methods and procedures.

- 7. Wherefore, pursuant to Section 403.516(2), Florida Statutes, Florida Administrative Code Rule 17-17.211 and Condition No. 31, the parties hereto agree that Condition No. 4 of the Certification should be and is hereby amended and modified to read as follows:
 - 4. The permittee shall install and operate continuous monitoring devices on one of the paired exhaust stacks for the following: Opacity, Nitrogen Oxides. Records of such monitoring shall be available for inspection.
- 8. Wherefore, pursuant to Section 403.516(2), Florida Statutes, Florida Administrative Code Rule 17-17.211 and Condition No. 31, the parties hereto agree that Condition No. 5 of the Certification should be and is hereby amended and modified to read as follows:
 - 5. The permittee shall install and operate continuously for a 24-hour period every six days, two ambient air, West-Gaeke, monitoring devices for sulfur dioxide and two suspended particulate sampling devices. The location of these ambient air samplers shall be determined

by consultation with the Northeast District Manager of the Department. The data collected will be reported to the Northeast District Manager quarterly by the last day of each month following the reporting period utilizing the SAROAD or other mutually acceptable format.

- 9. Wherefore, pursuant to Section 403.516(2), Florida Statutes and Florida Administrative Code Rule 17-17.211, the parties hereto agree that Condition 32 be added to delegate to the Secretary of the Department of Environmental Regulation the authority to modify certain conditions as follows:
 - 32. Modification of Conditions

The conditions of this certification may be modified in the following manner:

- The Board pursuant to 403.516(1), and F.S., hereby delegates to the Secretary the authority to modify, after notice and opportunity for hearing, any conditions pertaining to air and water monitoring and sampling, variances, or exceptions to water quality standards.
- All other modifications shall be made in accordance with Section 403.516, Florida Statutes.
- 10. The Governor and Cabinet, as the Siting Board, may take all actions necessary to ratify, confirm and implement this Stipulation pursuant to the authority granted to them by Chapter 403, Part II, Florida Statutes, the Florida Electrical Power Plant Siting Act.

WITNESS our hands and seals on the dates shown below.

FOR THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

VICTORIA J.

Department of Environmental

Regulation

2600 Blair Stone Road

Tallahassee, Florida 32301

FOR FLORIDA POWER & LIGHT COMPANY

WILLIAM H. GREEN

Counsel for Florida Power

& Light Company

Hopping Boyd Green & Sams Post Office Box 6526

Tallahassee, Florida 32314

FOR THE STATE OF FLORIDA DEPARTMENT OF COMMUNITY AFFAIRS

FOR THE STATE OF FLORIDA PUBLIC SERVICE COMMISSION

MARY CEARK | DATE | 8
General Counsel
Department of Community
Affairs

2571 Executive Center Circle, E.

Tallahassee, Florida 32301

WILLIAM S. BILENKY DATE Attorney for Public Service Commission 101 E. Gaines Street Tallahassee, Florida 32304

1277 F 1999

E _ 1. . . .

FOR THE PUTNAM COUNTY BOARD OF COUNTY COMMISSIONERS

KENNETH L. MORRIS

Codes Administrator
Putnam County Board of
County Commissioners
Post Office Drawer 1486

Palatka, Florida 32077

y⇔State of Florida

Commissioners:
JOSEPH P. CRESSE CHAIRMAN
GERALD L. (JERRY) GUNTER
SUSAN WAGNER LEISNER
JOHN R. MARKS, III
KATIE NICHOLS



Office of Commission Clerk: STEVEN C. TRIBBLE, CLERK (904) 488-8371

Public Service Commission

TIL PI

January 13, 1984

Peter C. Cunningham, Esquire Counsel for Florida Power & Light Company Hopping Boyd Green & Sams Post Office Box 6526 Tallahassee, Florida 32314

> Re: Florida Power and Light Company Putnam Power Plant Units 1 and 2

Deut. of Environmental Regulation

Dept. of Environmental Regulation Citics of General Counsel

Dear Mr. Cunningham:

As you requested, this is to confirm our December telephone conversation during which I told you the Commission would prefer not to sign the stipulation concerning the above referenced power plant. The reason for our position is set forth in the attached letter sent by my predecessor, Mr. Pat Wiggins, concerning a previous stipulation regarding the same plant.

Let me know if you have any questions.

Sincerely,

Susan F. Clark

Deputy General Counsel

SFC/lh

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing MODIFICATION OF CERTIFICATION has been furnished by United States Mail to Kenneth L. Morris, Codes Administrator, Putnam County Board of County Commissioners, Post Office Drawer 1486, Palatka, Florida 32077; Mary F. Clark, Esquire, Department of Community Affairs, 2571 Executive Center Circle, East, Tallahassee, Florida 32301; Susan Clark, Esquire, Florida Public Service Commission, 101 East Gaines Street, Tallahassee, Florida 32304; and Peter C. Cunningham, Esquire, Hopping Boyd Green & Sams, Post Office Box 6526, Tallahassee, Florida 32314, this 20th day of March, 1984.

. ... _ .

JOHN BOTTCHER Attorney

State of Florida Department of Environmental Regulation 2600 Blair Stone Road Tallahassee, Florida 32301 Telephone: (904)488-9730