

E 03/14/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-835/389

REC: STELLO V
NRC

ORG: HARLOW G L
US ENVIRON PROTEC AGENCY

DOCDATE: 03/07/78
DATE RCVD: 03/18/78
10

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT:
FORWARDING DRAFT COPY OF THE NATL POLLUTANT DISCHARGE ELIMINATION
SYSTEM PERMIT NO FLO002208 PROPOSED FOR ISSUANCE BY EPA FOR SUBJECT
FACILITY.

PLANT NAME: ST LUCIE #1
ST LUCIE #2

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL: DL

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

ENVIRONMENTAL COMMENTS
(DISTRIBUTION CODE C002)

FOR ACTION: ASST DIR GOLLER**LTR ONLY
PROJ MGR ERICKSON**W/ENCL

BR CHIEF REID**W/ENCL
LIC ASST INGRAM**W/ENCL

INTERNAL: REG FILE**W/ENCL
~~1-2~~ E**W/2 ENCL
HANAUER**W/ENCL
ERNST**LTR ONLY
YOUNGBLOOD**W/ENCL
VOLLMER**LTR ONLY
J. COLLINS**W/ENCL

NRC PDR**W/ENCL
OELD**LTR ONLY
DENTON/MULLER**W/ENCL
BALLARD**W/ENCL
GAMMILL**W/2 ENCL
BUNCH**W/ENCL
KREGER**W/ENCL

EXTERNAL: LPDR'S
FT PIERCE, FL**W/ENCL
NATL LAB ORNL**W/6 ENCL
NSIC**W/ENCL
TIC**W/ENCL
ACRS CAT B**W/O ENCL

DISTRIBUTION: LTR 30 ENCL 26
SIZE: 2P+17P

CONTROL NBR: 780720008

Enviro 60

***** THE END *****



REGULATORY DOCKET FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30308

MAR 7 1978

Mr. Victor Stello
Director of Division of
Operating Reactors
U. S. Nuclear Regulatory
Commission
7920 Norfolk Avenue
Bethesda, Maryland 20555



Re: Issuance of NPDES Permit
St. Lucie Nuclear Power Plant
NPDES No. FL0002208

Dear Mr. Stello:

Attached for your review is a draft copy of the National Pollutant Discharge Elimination System (NPDES) permit we propose to issue. Please coordinate your review with Mr. Charles H. Kaplan.

Prior to the EPA issuing NPDES permits and in accordance with the provisions of Section 401 of the Federal Water Pollution Control Act (33 USC 1341), as amended, the State must either certify or waive the certification requirement. The State may also deny certification, whereupon issuance of the NPDES permit will be denied by the EPA. Therefore, State certification of this permit has been requested. The following schedule is proposed for issuance:

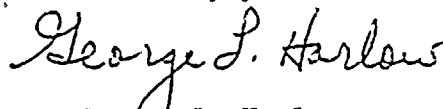
<u>ACTION</u>	<u>DATE</u>
Draft permit to State for comment and certification	March 7, 1978
Draft permit to applicant and NRC	March 7, 1978
Comments due	March 24, 1978
To public notice	April 13, 1978
End of public notice comment period	May 15, 1978
State certification	May 28, 1978
Issue NPDES permit	June 15, 1978

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The permittee is expected to submit thermal and biological data in the very near future which will allow a determination relative to requirements of Section 316(a) of the FWPCA, as amended, and conditions relative to discharge serial number 001 prior to public notice. Such material will be forwarded to you as soon as it is received.

Sincerely yours,



George L. Harlow
Chief, Water Enforcement Branch
Enforcement Division

Enclosure

cc: (w/enclosure)

Mr. L. Tebo, Jr.
Surveillance and Analysis

Mr. Tom Cain
Mr. Edward Reeves
Mr. Andrew Cunningham
U. S. Nuclear Regulatory
Commission

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 013100
Miami, Florida 33101

is authorized to discharge from a facility located at

St. Lucie Nuclear Power Plant
Unit 1 *
Hutchinson Island
St. Lucie County
Florida

to receiving waters named Atlantic Ocean
from discharge points enumerated herein, as serial numbers 001, 002, 003, 004, 005, and 006

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, June 30, 1983. 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.

Signed this day of

Paul J. Traina, Director
Enforcement Division

*Also includes preoperational cleaning wastes and dewatering flow from Unit 2.

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 and other wastes discharged to the Atlantic Ocean

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

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Instantaneous		Measurement	Sample
	Maximum		Frequency	Type
Flow-m ³ /Day (MGD)	33.4(763.2)		Continuous	Recorder on pump logs
Discharge Temperature °C(°F)	43.9(111) 1/		Continuous	Recorders
Temperature Rise °C(°F)	2/		Continuous	Recorders
Total Residual Chlorine (mg/l)	0.1 3/		1/week	Multiple grabs

Discharge of non-contact water used to cool the closed cycle auxiliary component system is permitted without limitation or monitoring requirements.

- 1/ The discharge into the Atlantic Ocean shall not cause a temperature rise in excess of 0.8°C(1.5°F) above ambient surface temperature outside a 162-hectare (400-acre) zone of mixing during the months of June through September, nor a 2.2°C(4°F) rise during the remaining months. In addition, the surface temperature conditions within the zone of mixing shall not exceed a rise of 3.1°C(5.5°F) over ambient temperature nor a maximum temperature of 33.9°C(93°F) as an instantaneous maximum at any point.
- 2/ Under normal full power operation, the temperature rise across the condenser shall not exceed 13.3°C(24°F). Under the following conditions, the condenser temperature rise shall not exceed 35°F for greater than a 72-hour period: (1) Condenser and/or circulating water pump maintenance; (2) Throttling circulating water pumps to minimize use of chlorine; (3) Fouling of circulating water system.
- 3/ Total residual chlorine shall not exceed a maximum instantaneous concentration of 0.1 mg/l. In the event that the units cannot be operated at or below this level of chlorination, the permittee may submit a demonstration, based on biological toxicity data, that discharge of higher levels of chlorine are consistent with toxicity requirements of the Florida Water Quality Standards. Effluent limitations will be modified consistent with an acceptable demonstration. Chlorine shall not be added for more than two hours per day.

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/day on a grab sample.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Intake temperature and flow at plant intake and all other parameters in the discharge canal prior to discharge to the Atlantic Ocean.

Note: The applicant is expected to submit information prior to Public Notice which will be considered by EPA to determine whether this item should be eliminated (or modified) prior to Public Notice if not necessary for environmental considerations.

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) 002 1/ - Neutralization basin discharge to intake canal

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	Daily Average	Daily Maximum	Measurement Frequency	Sample Type
Flow—m ³ /Day (MGD)	N/A	N/A	1/week	Calculation
Oil and Grease (mg/l)	N/A <u>2/</u>	N/A <u>2/</u>	N/A <u>2/</u>	N/A <u>2/</u>
Total Suspended Solids (mg/l)	30	100	1/week	8-hr composite

The quantity of pollutants discharged from this source shall not exceed the quantity determined by multiplying the flow of demineralizer regeneration wastes by the concentrations listed above.

In the event that this waste is directed to an evaporation/percolation pond from which there is no discharge, these effluent limitations and monitoring requirements will not apply.

The pH shall not be less than 6.0 standard units nor greater than N/A standard units and shall be monitored 1/batch on a grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
discharge from the neutralization basin prior to mixing with any other waste stream.

1/ Serial number assigned for identification and monitoring purposes.

2/ In the event that wastes other than demineralizer regeneration wastes are discharged through this serial number, oil and grease limitations and monitoring requirements will be as indicated elsewhere herein for such waste source(s).

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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) 003 1/ - Pre-operational metal cleaning wastes from Unit 2 and similar cleaning operations discharged to discharge canal. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Daily Average	Daily Maximum	Measurement Frequency	Sample Type
Flow—m ³ /Day (MGD)	N/A	N/A	1/day	Instantaneous
Oil and Grease (mg/l)	15	20	<u>2/</u>	Grab
Total Suspended Solids (mg/l)	30	100	<u>2/</u>	8-hr. composite
Copper, Total (mg/l)	1.0	1.0	<u>2/</u>	8-hr. composite
Iron, Total (mg/l)	1.0	1.0	<u>2/</u>	8-hr. composite
Phosphorus as P (mg/l)	1.0	1.0	<u>2/</u>	8-hr. composite

Metal cleaning wastes shall mean any cleaning compounds, rinse waters, or any other waterborne residues derived from cleaning any metal process equipment. The quantity of pollutants discharged from this source shall not exceed the quantity determined by multiplying the flow of metal cleaning wastes times the concentrations listed above.

1/ Serial number assigned for identification and monitoring purposes.

2/ On start of discharge and once/week thereafter until termination of discharge with one sample taken immediately prior to termination of discharge.

In the event that this waste is directed to an evaporation/percolation pond from which there is no discharge, these effluent limitations and monitoring requirements will not apply.

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The pH shall not be less than 6.0 standard units nor greater than N/A standard units and shall be monitored on a grab sample 2/.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): discharge from the metal cleaning wastes treatment facility(s) prior to mixing with any other waste stream.

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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) 004 1/ - Radwaste System Discharge to discharge canal

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

<u>Effluent characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	Daily Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-m ³ /Day (MGD)	N/A	N/A	1/batch	Calculation
Oil and Grease (mg/l)	15	20	1/week	Grab
Total Suspended Solids (mg/l)	30	100	1/batch	Grab

This discharge is regulated by the Nuclear Regulatory Commission under the provisions of operating license DPR-67 dated March 1, 1976, and is monitored and reported to the Nuclear Regulatory Commission. No additional monitoring of the radiological aspects of this discharge are required herein.

1/ Serial number assigned for identification and monitoring purposes.

The pH shall not be less than 6.0 standard units nor greater than N/A standard units and shall be monitored 1/ batch.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): discharge from the radwaste system prior to mixing with any other waste stream.

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) 005 1/- Dewatering wastes from Unit 2 construction discharged to intake or discharge canal

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	Daily Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow-m ³ /Day (MGD)	N/A	N/A	2/month	Calculation
Total Suspended Solids (mg/l)	55	115	2/month	Grab

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There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): point(s) of discharge prior to entering the intake or discharge canals.

1/ Serial number assigned for identification and monitoring purposes.

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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) 006 1/ - Sewage Treatment Plant Discharge from Unit 1

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	mg/l (except as noted)		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum		
Flow—m ³ /Day (MGD)	N/A	64 (0.017)	1/week	Instantaneous
BOD ₅	30	60	1/quarter	Grab <u>2/</u>
Total Suspended Solids (mg/l)	30	60	1/quarter	Grab <u>2/</u>
Fecal Coliform organisms/100 ml	N/A	N/A	1/quarter	Grab

In addition to the specific limits, the daily average effluent BOD₅ and suspended solids concentrations shall not exceed 10 percent of the respective daily average influent concentrations.

Effluent shall be aerobic at all times.

1/ Serial number assigned for identification and monitoring purposes.

2/ Influent and effluent.

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/week.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
Sewage treatment plant discharge prior to mixing with any other waste stream.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:
 - a. All effluent limitations shall be met on effective date
 - b. PCB report (III.C.) - 10/28/78
 - c. Preoperational aquatic monitoring program (III.L.)
 - (1) Study plan - 30 months prior to Unit 2 fuel loading
 - (2) Implement - 24 months prior to Unit 2 fuel loading
 - (3) First report - 15 months after implementation
 - (4) Second report - 27 months after implementation
 - d. Postoperational aquatic monitoring program (III.M.)
 - (1) Study plan - six months prior to commercial operation date of Unit 2
 - (2) Implement - commercial operation date of Unit 2
 - (3) First report - 15 months after implementation date
 - (4) Subsequent reports - annually after the first report

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 regulation.

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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*

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on October 28, 1978. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Chief, Water Enforcement Branch
Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30308

AND

Florida Dept. of Environmental
Regulation
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, Fla. 32301

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 continuous 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

PART II

Page 13 of
Permit No. FL0002208

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 provision 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

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OTHER REQUIREMENTS

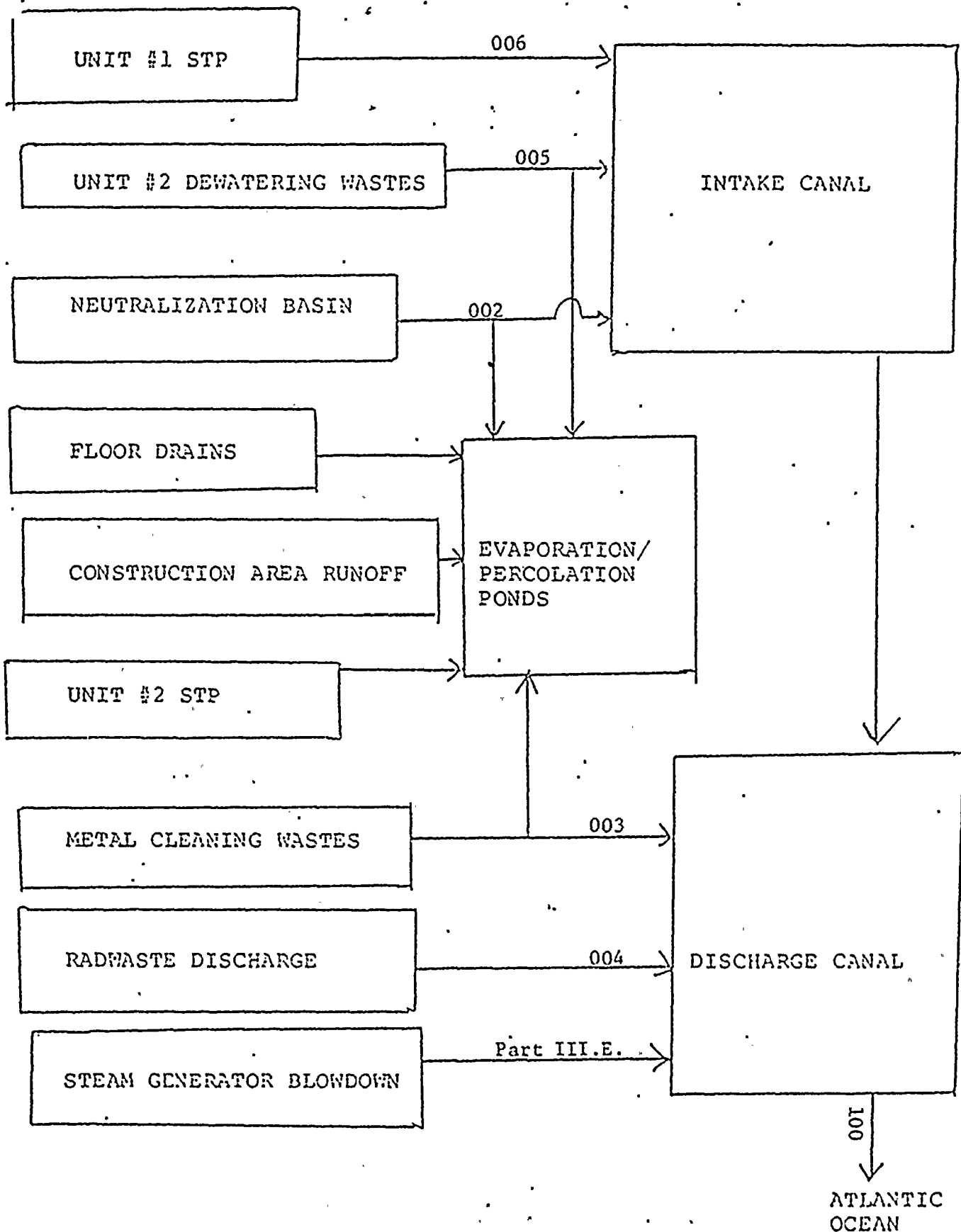
- A. In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property attributable to each controlled waste source shall not exceed the specified limitation for that waste source.
- B. If the permittee, after monitoring for at least six months, determines that he is consistently meeting the effluent limits contained herein, the permittee may request of the Regional Administrator that the monitoring requirements be reduced to a lesser frequency or be eliminated.
- C. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. A report defining control practices shall be submitted by October 28, 1978.
- D. The company shall notify the Regional Administrator in writing not later than sixty (60) days prior to instituting use of any additional biocide or chemical used in cooling systems, other than chlorine, which may be toxic to aquatic life other than those previously reported to the Environmental Protection Agency. Such notification shall include:
 - 1. name and general composition of biocide or chemical,
 - 2. 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge shall occur,
 - 3. quantities to be used,
 - 4. frequencies of use,
 - 5. proposed discharge concentrations, and
 - 6. EPA registration number, if applicable.

- E. Steam generator blowdown may be discharged without limitation or monitoring requirements provided that secondary system feedwater chemistry specifications limit total solids to 2 mg/l and total iron and copper to 0.05 mg/l each.
- F. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation promulgated pursuant to the order of the United States District Court for the District of Columbia issued on June 8, 1976, in "Natural Resources Defense Council, Inc. et.al. v. Russell E. Train," 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
1. Is different in conditions or more stringent than any effluent limitation in the permit; or
 2. Controls any pollutant not limited in the permit.
- G. Plant stormwater which is uncontaminated by plant wastes may be discharged without limitation or monitoring requirements.
- H. Intake screen backwash may be discharged without limitation or monitoring requirements.
- I. All environmental monitoring reports submitted to the U. S. Nuclear Regulatory Commission shall be submitted to EPA (2 copies).
- J. Conformance with Sections 3.1.B, BIOTIC; 4.1, Entrainment of Aquatic Organisms; and 4.3, Minimum Effluent Chlorine Usage of Appendix B to Operating License No. DPR-67 shall constitute conformance with similar monitoring requirements deemed necessary by the Director, Enforcement Division. Changes in such programs which are underway on the effective date of this permit shall not be made without approval by the Director, Enforcement Division.
- K. Permittee shall submit an NPDES Application for Permit to Discharge Wastewater, covering Units 1 and 2, to the Director, Enforcement Division not later than the date of submittal of the Environmental Report, Operating License Stage for St. Lucie Plant Unit 2 to the U. S. Nuclear Regulatory Commission.
- L. Permittee shall implement an approved preoperational non-radiological aquatic monitoring program on water quality and biotic conditions in the Atlantic Ocean not less than two years prior to the scheduled date for Unit 2 fuel loading. Not less than six months prior to the scheduled date for implementation, the permittee shall submit to the Director, Enforcement Division for review and approval, a detailed monitoring plan. Reports shall be submitted annually, not more than three months following completion of the reporting period with the first report due 15 months after implementation of the program.
- M. Permittee shall implement an approved operational non-radiological aquatic monitoring program by the date of commercial operation of Unit 2. Not less than six months prior to scheduled implementation date, the permittee shall submit to the Director, Enforcement Division for review and approval, a detailed monitoring plan. Reports shall be submitted annually, not more than three months following completion of the reporting period with the first report due 15 months after implementation of the program. The program shall continue for a period of not less than two years after commercial operation of Unit 2.

DRAFT

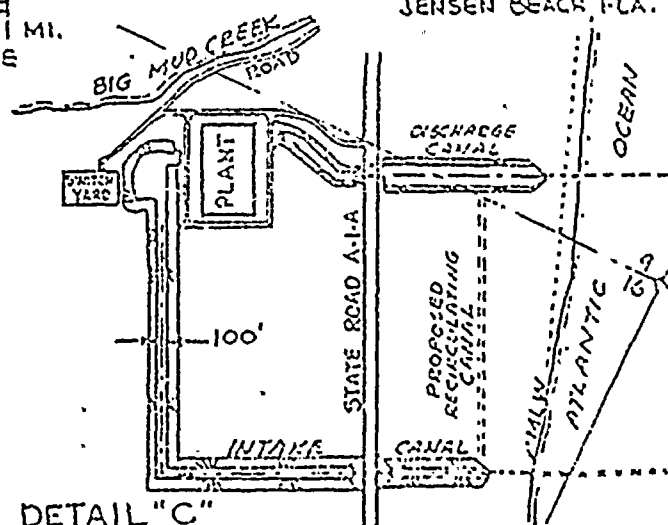
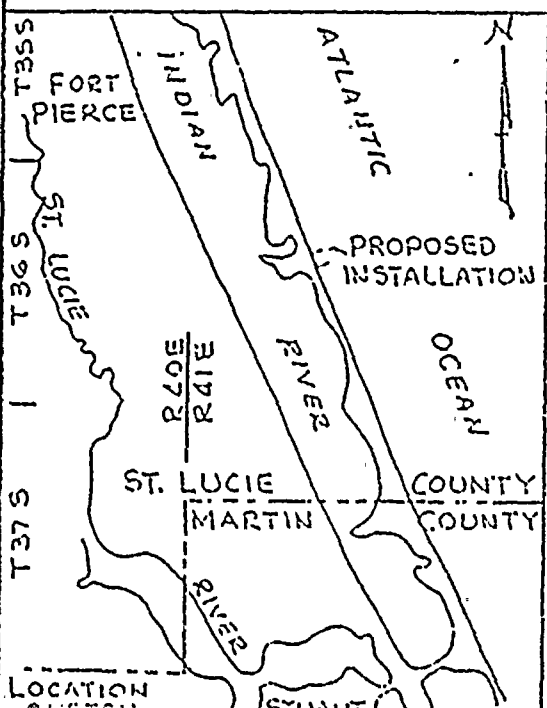
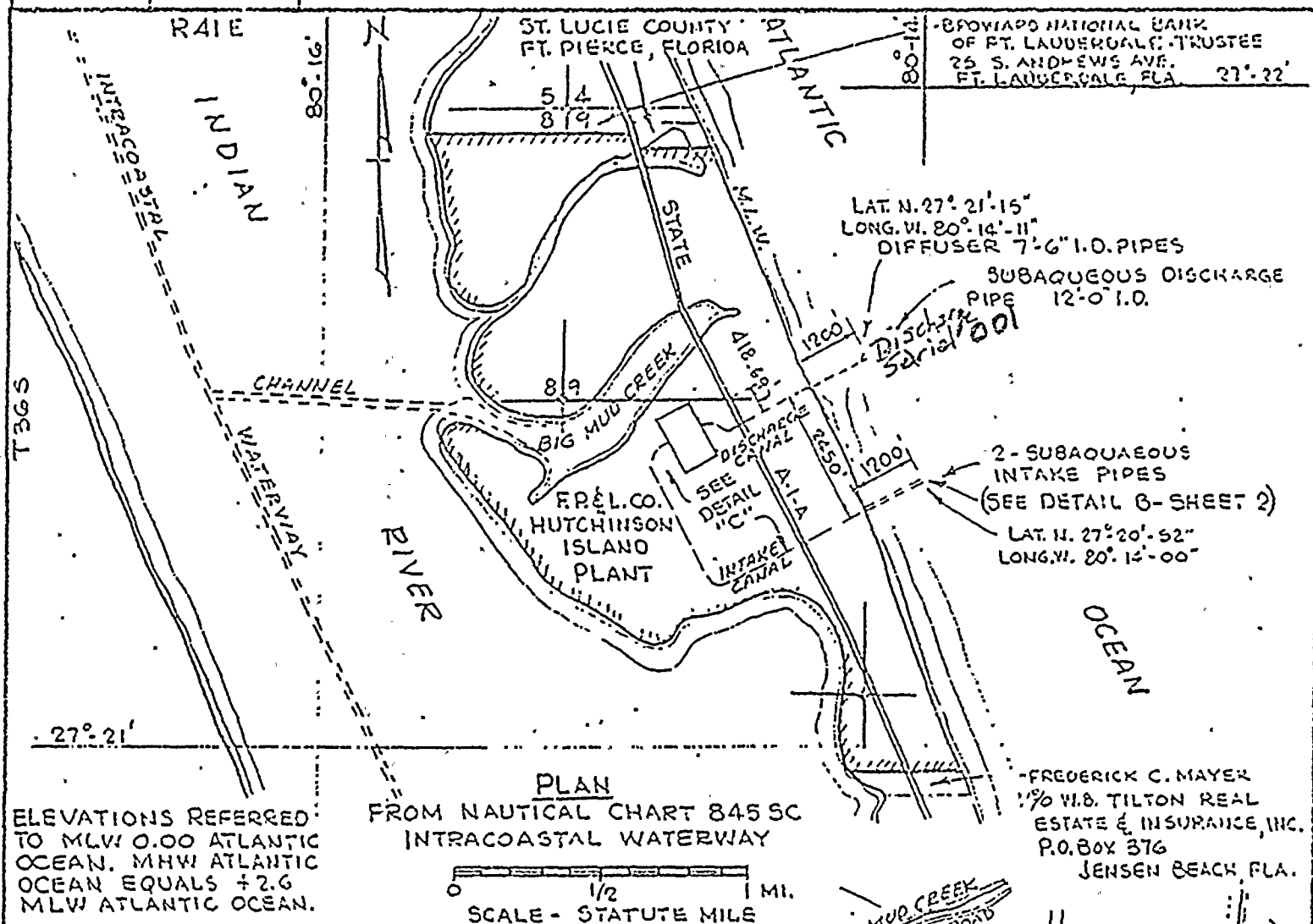
ST. LUCIE PLANT
WASTEWATER FLOW DIAGRAM

ATTACHMENT A
NPDES No. FL0002208



DRAWN BY	K.C.J
CHECKED	<i>G. H.</i>
CORRECT	<i>[Signature]</i>

ATTACHMENT A



-FREDERICK C. MAYER
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JENSEN BEACH FLA.