CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9704030028 DOC.DATE: 97/03/26 NOTARIZED: NO DOCKET #
FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH.NAME AUTHOR AFFILIATION
STALL,J.A. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

See Environmental Reports

SUBJECT: Submits info copy of St Lucie County Wastewater Permit Application for South Hutchinson Island Water Reclamation Facility.

DISTRIBUTION CODE: C001D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 55
TITLE: Licensing Submittal: Environmental Rept Amdt & Related Correspondence

NOTES:

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	NUDOCS-ABSTRACT	1	1	~~OGC/HDS3~~	1	0
	RGN2 DRS/RSB	1	1			
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CATEGORY 1

DOCUMENT

NOTE TO ALL "RIDS" RECIPIENTS:
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TOTAL NUMBER OF COPIES REQUIRED: LTTR 8 ENCL 7

Florida Power & Light Company, 6501 South Ocean Drive, Jensen Beach, FL 34957

March 26, 1997

L-97-71
10 CFR 50.36b
10 CFR 50.4

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
St. Lucie County - South Hutchinson Island
Water Reclamation Facility
Wastewater Permit Application

St. Lucie County has been constructing and plans to commence operation of the South Hutchinson Island Water Reclamation Facility (SHIWRF) in 1997. The facility is being constructed on Hutchinson Island approximately one mile south of the St. Lucie Plant. Reclaimed water from the facility will be used for irrigation of properties on Hutchinson Island. During periods of high flow and/or rainy weather, one of the discharge paths for excess reclaimed water from the SHIWRF will be their discharge serial number D001. This discharge will be into the St. Lucie Plant cooling water discharge canal and will use the plant outfall system to reach the Atlantic Ocean.

For both Units 1 and 2, Section 3.1 of the Environmental Protection Plan (EPP) allows FPL to make changes to the station design or operation affecting the environment provided the changes do not involve an unreviewed environmental question. FPL has completed an EPP Section 3.1 review for the construction activities associated with the outfall piping by St. Lucie County. Section 1.0 of the EPP states that environmental concerns which relate to water quality matters are to be regulated by way of the licensee's NPDES permit (the Florida Department of Environmental Protection, FDEP, has assumed the responsibility for regulating water quality concerns; the FDEP Wastewater Permit is now required in lieu of the NPDES Permit). Section 3.2.4 of the EPP requires that the NRC be provided with copies of proposed changes to the permit at the time it is submitted to the permitting agency. Since the operational use of the plant outfall by the County relates to water quality issues requiring Wastewater Permit approval from FDEP, it is exempt from the Section 3.1 review.

Attached is an information copy of the St. Lucie County Wastewater Permit Application for the South Hutchinson Island Water Reclamation Facility (Facility ID 5156C01743). This permit

A001

application has been submitted by St. Lucie County, not FPL; however, since this matter affects the St. Lucie cooling water discharge canal, the permit is being provided to the NRC for information. The permit application was submitted to FDEP by St. Lucie County on October 28, 1996.

Should you have any questions or require any additional information on SHIWRF or the use of the St. Lucie Plant outfall by St. Lucie County, please contact us.

Very truly yours,

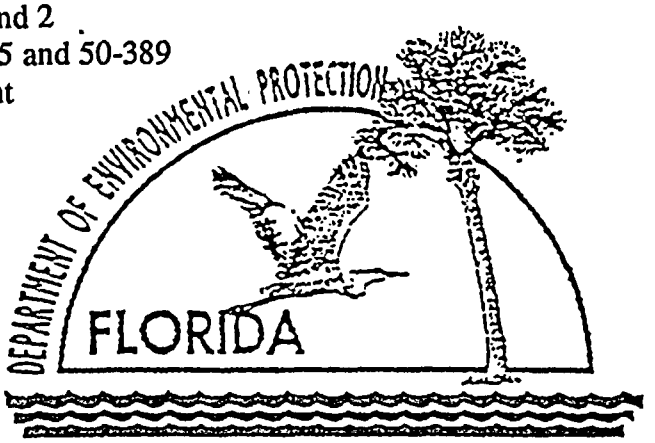
J. A. Stall
Vice President
St. Lucie Plant

JAS/GRM

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
L-97-71 Attachment



WASTEWATER PERMIT APPLICATION FORM 1 GENERAL INFORMATION

ST. LUCIE COUNTY
SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY.

This form must be completed by all persons applying for a permit to operate a domestic or industrial wastewater facility. See Form 1 to determine which other application forms you will need.

CDM
environmental engineers, scientists, planners, & management consultants

CAMP DRESSER & McKEE

offices worldwide

REGfiles: 11/94

DESCRIPTION OF PERMIT APPLICATION FORMS

Form 1 - General information. This booklet includes general information on applying for a permit to operate a domestic or industrial wastewater facility. Form 1 is required for all permit applications.

Form 2 - Specific information. This group of forms includes the specific information required for the type of wastewater facility for which a permit is needed. Select the appropriate form(s) to be submitted with Form 1.

Form 2A - Domestic Wastewater Facilities.
Form 2B - Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities.
Form 2CS -Industrial Wastewater Facilities (discharging process wastewater to surface waters).
Form 2CG -Industrial Wastewater Facilities (discharging process wastewater to ground water).
Form 2ES -Industrial Wastewater Facilities (discharging non-process wastewater to surface waters).
Form 2EG -Industrial Facilities (discharging non-process wastewater to ground water).
Form 2F - Stormwater Discharges to Surface Waters from Industrial or Domestic Facilities
Form 2CR -Non-Discharging/Closed Loop Recycle System.

SECTION A - GENERAL INSTRUCTIONS

Who Must Apply:

Persons who are or are going to discharge wastewater to waters of Florida or the United States must file for and be granted a permit under Sections 403.087, 403.088, or 403.0885, Florida Statutes (F.S.). There are severe penalties for discharging without a permit.

There are some exceptions to this requirement. Discharges of domestic sewage from vessels and discharges from properly operating marine engines are not required to have a permit under the laws listed above. However, discharges of rubbish, trash, garbage or other such materials discharged overboard do require permits. Vessels operated in a capacity other than as a means of transportation are required to have a permit if they are discharging to waters. These types include vessels used as an energy or mining facility, a storage facility, a seafood processing facility, or a anchored facility for the purpose of mineral or oil exploration or development.

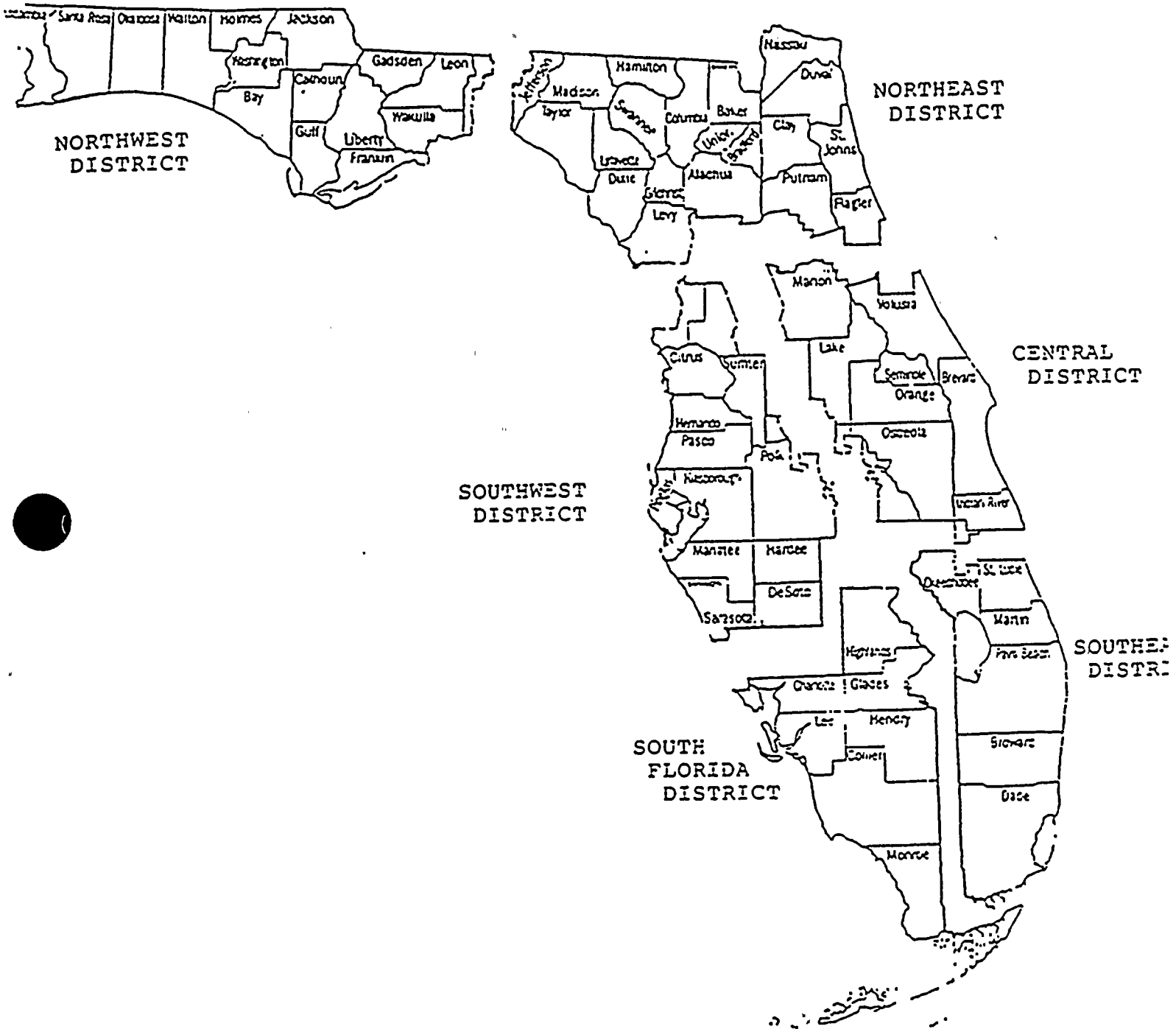
The introduction of sewage, industrial wastes, or other pollutants into a domestic wastewater treatment facility does not need a permit under Sections 403.087, 403.088 or 403.0885, F.S. Persons discharging to permitted wastewater treatment facilities must comply all applicable pretreatment standards. If a person has a plan or an agreement to switch from direct discharge into waters of the state to discharge to a domestic treatment facility, it does not relieve the person from obtaining a permit for the discharge until such time as the connection is made and the discharge is stopped.

Most discharges from agricultural and silvicultural activities to waters of the state do not require a permit under Sections 403.087, 403.088, or 403.0885, F.S. However, permits under those sections are required for discharges from concentrated animal feeding operations, concentrated aquatic animal production facilities, activities associated with approved aquaculture projects, and silvicultural point sources.

Where to Apply:

Permit applications must be filed with the Department of Environmental Protection (DEP) district office shown in Figure 1 for the county in which the wastewater facility is located, except for permit applications for steam electrical generating power plants which are filed with the DEP office in Tallahassee. DEP offices are located at

Figure 1. State Map Showing DEP District Offices



NORTHWEST DISTRICT
160 Government Center
Pensacola, Florida 32501-5794
Phone No. (904)436-8300

Northwest District Branch Office
2353 Jenks Avenue
Panama City, Florida 32405
Phone No. (904)872-4375

Northwest District Branch Office
2815 Remington Green Circle
Tallahassee, Florida 32308
Phone No. (904)488-3704

NORTHEAST DISTRICT
7825 Baymeadows Way
Jacksonville, Florida 32256-7577
Phone No. (904)448-4300

Northeast District Branch Office
5700 Southwest 34 Street, Suite 1204
Gainesville, Florida 32608
Phone No. (904)336-2095

SOUTHWEST DISTRICT
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Phone No. (813)542-6100

CENTRAL DISTRICT
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone No. (407)894-7555

SOUTH DISTRICT OFFICE
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901
Phone No. (813)332-6975

South District Branch Office
11400 Overseas Highway, Suite 123
Marathon, Florida 33050
Phone No. (305)289-2310

SOUTHEAST DISTRICT
1900 South Congress Avenue, Suite A
West Palm Beach, Florida 33406
Phone No. (407)433-2650

Southeast District Branch Office
1801 Southeast Hillmoor Drive, Suite C-204
Port St. Lucie, Florida 34952
Phone No. (407)878-3890

When to Apply:

Applications must be filed with the appropriate DEP office 180 days before your current permit expires or 180 days before startup of a new or modified facility. If the submitted application is for a new facility or for a modification of an existing facility, the information required for describing the construction must be filed at least 90 days before construction begins. The DEP encourages applicants to file the materials describing the construction of a new facility or the modification of an existing facility as early as possible to avoid problems with delays in startup or facility redesign to achieve effluent limitations.

Federal regulations provide that a new source in the NPDES program may not be constructed or started to be constructed before the issuance of an operation permit. Because of this regulation, a permit application for a new source may need to be submitted well in advance of the required 180 days.

Fees:

Application fees are listed in Section 62-4.050, Florida Administrative Code (F.A.C.). An application will not be processed until the application fee has been paid. If the DEP determines that a permit should be issued for less than five years duration, the application fee will be pro rated.

If a permit is issued for a surface water discharge, the permittee will be assessed a regulatory and surveillance program fee annually. Those fees are listed in Section 62-4.052, F.A.C. Failure to pay the annual fee may result in revocation of the permit.

Availability of Information to the Public:

Information contained in these applications forms will, upon request, be made available to the public for inspection and copying. However, you may request confidential treatment for certain information which you may submit to supplement the information requested on these forms. Section 620.302, F.A.C., and 40 CFR 2 provide set forth the procedures for making the claim. No information on Forms 1 and 2A through 2EG may be claimed as confidential.

Completion of Forms:

Unless otherwise specified in instructions to the forms, each item in each form must be answered. To indicate that each item has been considered, enter "NA", for not applicable, if a particular item does not fit the circumstances or characteristics of your facility or activity.

If you have previously submitted information to the DEP which answers a question, you may either repeat the information in the space provided or attach a copy of the previous submission. DO NOT WRITE "ON FILE". Some items in the form require narrative explanation. If more space is necessary to answer a question, attach a separate sheet entitled "Additional Information."

SECTION B - FORM 1 LINE-BY-LINE INSTRUCTIONS

This form must be completed by all applicants.

Completing This Form:

Please type or print in the underlined areas only. Some items have a limited number of spaces or characters so that your response may be entered into a computer program. Please do not exceed this maximum number with your response. Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response.

Item I

Space is provided at the upper right hand corner of Form 1 for insertion of your Facility Identification Number. If you have an existing facility, enter your identification number. If you don't know your identification number, please contact the appropriate DEP office which will provide you with your number. If your facility is new (not yet constructed), leave this item blank.

Item II

Answer each question to determine which supplementary forms you need to fill out. Be sure to check the glossary in Section C of these instructions for the legal definitions of any words you are not certain of their meaning.

If you answer "no" to every question, then you may not need a permit. However, you should call the appropriate district office to determine if you have made a correct determination. If you answer "yes" to any question, then you must complete and file the supplementary form by the deadline listed in Section A along with this form.

Item III

Enter the facility's official or legal name. Do not use a colloquial name.

Item IV

Give the name, title, and work telephone number of a person who is thoroughly familiar with the operation of the facility, with the facts reported in this application, and who can be contacted by reviewing offices if necessary.

Item V

Give the complete mailing address of the office where correspondence should be sent. This often is not the address used to designate the location of the facility or activity.

Item VI

Give the address or location of the facility identified in Item III of this form. If the facility lacks a street name or route number, give the most accurate alternative geographic information (for example, section number or quarter section number from county records or at intersection of Rts 426 and 22).

Item VII

List four, in descending order of significance, 4-digit standard industrial classification (SIC) codes which best describe your facility in terms of the principal products or services you produce or provide. Also, specify each classification in words. These classifications may differ from the SIC codes describing the operation generating the discharge from the facility.

SIC code numbers are descriptions which may be found in the "Standard Industrial Classification Manual" prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office, Washington, D.C. Your local library may have a copy of this publication which you may use. Use the current edition of the manual. If you have any questions concerning the appropriate SIC code for your facility, please contact the appropriate DEP district office.

Item VIII-A

Give the name, as it is legally referred to, of the person, firm, public organization, or any other entity which operates the facility described in this application. This may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operation rather than the plant or site manager. Do not use a colloquial name.

Item VIII-B

Indicate whether the entity which operates the facility also owns it by marking the appropriate box.

Item VIII-C

Enter the appropriate letter to indicate the legal status of the operator of the facility. Indicate "public" for a facility solely owned by a local government, such as a city, town, county, etc.

Items VIII-D through H

Enter the telephone number and address of the operator identified in Item VIII-A.

Item IX

Indicate whether the facility is located on Indian Lands.

Item X

Give the number of each presently effective wastewater permit issued to the facility listed in this application. List relevant federal, state, and local permits. DO NOT LIST ALL YOUR PERMITS. LIST ONLY CURRENT ENVIRONMENTAL PERMITS RELATING TO THIS PROJECT.

Item XI

Provide a topographic map or maps of the area extending at least to one mile beyond the property boundaries of the facility which clearly show the following:

The legal boundaries of the facility;

The location and serial number of each of your existing and proposed intake and discharge structures;

All hazardous waste management facilities;

Each well where you inject fluids underground; and

All springs and surface water bodies in the area, plus all drinking water wells within 1/4 mile of the facility which are identified in the public record or otherwise known to you.

If an intake or discharge structure, hazardous waste disposal site, or injection well associated with the facility is located more than one mile from the plant, include it on the map, if possible. If not, attach additional sheets describing the location of the structure, disposal site, or well, and identify the U.S. Geological Survey (or other) map corresponding to the location.

On each map, include the map scale, a meridian arrow showing north, and latitude and longitude at the nearest whole second. On all maps of rivers, show the direction of the current, and in tidal waters, show the directions of the ebb and flow tides. Use a 7-1/2 minute series map published by the U.S. Geological Survey. If a 7-1/2 minute series map has not been published for your facility site, then you may use a 15 minute series map from the U.S. Geological Survey. If neither a 7-1/2 nor 15 minute series map has been published for your facility site, use a plat map or other appropriate map, including all the requested information; in this case, briefly describe land uses in the map area (for example, residential, commercial).

You may trace your map from a geological survey chart, or other map meeting the above specifications. If you do, your map should bear a note showing the number or title of the map or chart from which it was traced. Include the names of nearby towns, water bodies, and other prominent points.

You may obtain a topographic map from:

Eastern Mapping Center
National Cartographic Information Center
U.S. Geological Survey
536 National Center
Reston, VA 22092

Item XII

Briefly describe the nature of your business (for example, products produced or services provided).

Item XIII

Section 403.161, F.S., provides severe penalties for submitting false information on this application form or any reports or records required by a permit, if issued. There are both civil and criminal penalties, in addition to the revocation of the permit.

Rule 62-620.305, F.A.C., requires that the application and any reports required by the permit, if issued, to be signed as follows:

A. For a corporation, by a responsible corporate officer as described in Rule 62-620.305, F.A.C.;
B. For partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
C. For a municipality, state, federal or other public facility, by a principal executive officer or elected official.

SECTION C - GLOSSARY

NOTE: This Glossary includes terms used in the instructions and in Forms 1, 2A through 2EG. If you have any questions concerning the meaning of any of these terms, please contact your DEP district office.

Aliquot means a sample of specified volume used to make up a total composite sample.

Animal Feeding Operation means a lot or facility (other than an aquatic animal production facility) where the following conditions are met:

A. Animals (other than aquatic animals) have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period; and

B. Crops, vegetation, forage growth, or post-harvest residues are not sustained in the normal growing season over any portion of the lot or facility.

Two or more animal feeding operations under common ownership are a single animal feeding operation if they adjoin each other or if they use a common area or system for the disposal of wastes.

Animal Unit means a unit of measurement for any animal feeding operation calculated by adding the following number: The number of slaughter and feeder cattle multiplied by 1.0; plus the number of mature dairy cattle multiplied by 1.4; plus the number of swine weighing over 25 kilograms (approximately 55 pounds)multiplied by 0.4; plus the number of sheep multiplied by 0.1; plus the number of horses multiplied by 2.0.

Application means the approved DEP standard forms for applying for a permit, including any approved additions, revisions, or modifications to the forms. Approved forms are numbered, Form 62-620.910, and have an effective date of October 1, 1994, or later.

Aquifer means a geological formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring.

Best Management Practices (BMP) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs include treatment requirements, operation procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Biological Monitoring Test means any test which include the use of aquatic algal, invertebrate, or vertebrate species to measure acute or chronic toxicity, and any biological or chemical measure of bioaccumulation.

Bypass means the intentional diversion of wastes from any portion of a treatment facility.

Concentrated Animal Feeding Operation means an animal feeding operation which meets the criteria set forth in Chapter 62-670, F.A.C.

Concentrated Aquatic Animal Production Facility means a hatchery, fish farm, or other facility which contains, grows or hold aquatic animals as set forth in Chapter 62-660, F.A.C.

Contact Cooling Water means water used to reduce temperature which comes into contact with a raw material, intermediate product, waste product other than heat, or finished product.

CWA means the Clean Water Act as amended, 33 U.S.C. 1251 et seq.

Dike means any embankment or ridge of either natural or manmade materials used to prevent the movement of liquids, sludges, solids, or other materials.

Discharge (of a Pollutant) means any addition of any pollutant or combination of pollutants to waters of the State from any point source; or any addition of any pollutant or combination of pollutants to the marine waters of the State from any point source other than a vessel or other floating craft which is being used as a means of transportation.

This definition includes discharges into waters of the State from surface runoff which is collected or channelled by man; discharges through pipes, sewers, or other conveyances owned by the State, a municipality, or other person which do not lead to POTWs; and discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. This term does not include an addition of pollutants by any indirect discharge.

Effluent Limitation mean any restriction imposed by the DEP on quantities, discharge rates, and concentrations of pollutants which are discharged from point sources into waters of the State.

Effluent Limitation Guideline means a regulation published under Section 304(b) of the Clean Water Act to adopt or revise effluent limitations.

EPA means the United States Environmental Protection Agency.

Existing Source or Existing Discharger means any source which is not a new source or a new discharger.

Facility or wastewater facility means any facility which can reasonably be expected to be a source of pollution and includes any or all of the following: a collection and transmission system, a wastewater treatment works, a reuse or disposal system, and a residuals management facility.

Ground Water means water below the land surface in a zone of saturation.

Indirect Discharger means an industrial discharger introducing pollutants to a publicly owned treatment works.

Injection Well mean a well into which fluids are injected.

MGD means millions of gallons per day.

Municipality means a city, village, town, borough, county, district, association, or other public body created by or under State law and have jurisdiction over disposal of sewage, industrial wastes, or other wastes.

National Pollutant Discharge Elimination System (NPDES) means the national program for issuing, modifying, revoking and reissuing, termination, monitoring and enforcing permits and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the CWA. The term includes a State program which has been authorized by EPA under 40 CFR Part 123.

New Discharger mean any building, structure, facility, or installation: (A) from which there is or may be a new or additional discharge of pollutants at a site at which on October 18, 1972, it had never discharged pollutants; (B) which has never received a finally effective NPDES permit for discharges at that site; and (C) which is not a "new source." This definition includes an indirect discharger which commences discharging into water

of the State. It also includes any existing mobile point source, such as an offshore oil drilling rig, seafood processing vessel, or aggregate plant that begins discharging at a location for which it does not have an existing permit.

New Source means any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced: (A) after promulgation of standards of performance under Section 306 of the CWA which are applicable to such source; or (B) after proposal of standards of performance in accordance with Section 306 of CWA which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal.

Non-Contact Cooling Water means water used to reduce temperature which does not come into direct contact with any raw material, intermediate produce, waste product (other than heat), or finished product.

Off-Site means any site which is not "on-site."

On-Site means on the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Non-contiguous properties owned by the same person, but connected by a right-of-way which the person controls and to which the public does not have access, is also considered on-site property.

Operator means the person responsible for the overall operation of a facility.

Outfall means a point source.

Owner means the person who owns a facility or part of a facility.

Permit means an authorization, license, or equivalent control document issued by the State to implement the requirements of 40 CFR 122, 123, and 124 and Chapter 403, F.S.

Point Source means any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture.

Pollutant means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical waste, biological materials, radioactive materials (except those regulated under the Atomic Energy Act of 1954, as amended), heat, wrecked or discarded equipment, rocks, sand, cellar dirt and industrial, municipal, and agriculture waste discharged into water. It does NOT mean: (A) sewage from vessels; or (B) water, gas, or other material which is injected into a well to facilitate production of oil or gas, or water derived in association with oil and gas production and disposed of in a well, if the well used either to facilitate production or for disposal purposes is approved by authority of the State in which the well is located, and if the State determines that the injection or disposal will not result in the degradation of ground or surface water resources.

Privately Owned Treatment Works means any device or system which is used to treat domestic wastewater from any facility which is not a POTW.

Process Wastewater means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct,

or waste product.

Publicly Owned Treatment Works (POTW) means any device or system used in the treatment (including recycling and reclamation) of domestic sewage or industrial wastes of a liquid nature which is owned by a State or municipality. This definition includes any sewers, pipes, or other conveyances only if they convey wastewater to a POTW providing treatment.

Residuals means the solid, semisolid, or liquid residue generated during the treatment of domestic wastewater. Not included are solids removed from pump stations and lift stations, and screenings and grit removed from the headworks of domestic wastewater treatment facilities. Also not included are other solids removed prior to treatment of the residuals to meet the stabilization standards of Chapter 62-640, F.A.C., or ash generated during the incineration of residuals.

Sewage From Vessels means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes that are discharged from vessels and regulated under Section 312 of the CWA.

Sewage Sludge means residuals.

Silvicultural Point Source means any discernable, confined and discrete conveyance related to rock crushing, gravel washing, log sorting, or log storage facilities which are operated in connection with silvicultural activities and from which pollutants are discharged into water of the State.

Storm Water Runoff means water discharged as a result of rain, snow, or other precipitation.

Surface Impoundment or Impoundment means a facility or part of a facility which is a natural topographic depression, manmade excavation, or diked area formed primarily of earthen materials (although it may be lined with manmade materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds, and lagoons.

Toxic Pollutant means any pollutant listed as toxic under Section 307(a)(1) of the CWA.

Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Waters of the State means the waters defined in Section 403.031, F.S., and including waters of the United States to the seaward boundaries of the State.

WASTEWATER PERMIT APPLICATION FORM 1 GENERAL INFORMATION

I IDENTIFICATION NUMBER:

Facility ID 5156C01743

II CHARACTERISTICS:

INSTRUCTIONS: Complete the questions below to determine whether you need to submit any permit application forms to the Department of Environmental Protection. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the blank in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if you activity is excluded from permit requirements. See Section B of the instructions. See also, Section C of the instructions for definitions of the terms used here.

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a domestic wastewater facility which results in a discharge to surface or ground waters?	X		Form 2A
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters?		X	
C. Does or will this facility (other than those describe in A. or B.) discharge process wastewater, or non-process wastewater regulated by effluent guidelines or new source performance standards, to surface waters?		X	
D. Does or will this facility (other than those described in A. or B.) discharge process wastewater to ground waters?		X	
E. Does or will this facility discharge non-process wastewater, not regulated by effluent guidelines or new source performance standards, to surface waters?		X	
F. Does or will this facility discharge non-process wastewater to ground waters?		X	
G. Does or will this facility discharge stormwater to surface waters?	X		Form 2F
H. Is this facility a non-discharging/closed loop recycle system?		X	

III NAME OF FACILITY: (40 characters and spaces)

S. Hutchinson Is. Water Reclamation Fac.

Facility ID 5156C01743

IV FACILITY CONTACT: (A. 30 characters and spaces)

A. Name and Title (Last, first, & title)	B. Phone (area code & no.)
William Blazak, Utility Director	561-462-1150

V FACILITY MAILING ADDRESS: (A. 30 characters and spaces; B. 25 characters and spaces)

A. Street or P.O. Box: Post Office Box 728		
B. City or Town: Fort Pierce	State: FL	Zip Code: 34982

VI FACILITY LOCATION: (A. 30 characters and spaces; B. 24 characters and spaces; C. 3 spaces (if known); D. 25 characters and spaces; E. 2 spaces; F. 9 spaces)

A. Street, Route or Other Specific Identifier: 7601 South Ocean Drive		
B. County Name: St. Lucie	C. County Code (if known):	
D. City or Town: Jensen Beach	E. State: FL	F. Zip Code: 34957

VII SIC CODES: (4-digit, in order of priority) N/A (POTW)

1. Code #:	(Specify)	2. Code #:	(Specify)
3. Code #:	(Specify)	4. Code #:	(Specify)

VIII OPERATOR INFORMATION: (A. 40 characters and spaces; B. 1 character; C. 1 character (if other, specify); D. 12 characters; E. 30 characters and spaces; F. 25 characters and spaces; G. 2 characters; H. 9 characters)

A. Name: St. Lucie County		B. Is the name in VIII A. the owner? Yes: X No:	
C. Status of Operator: F = Federal; S = State; P = Private; O = Other; M = Public (other than F or S)	(code) M	(specify) St. Lucie County	D. Phone No.: 561-462-1150
E. Street or P. O. Box: Post Office Box 728			
F. City or Town: Fort Pierce	G. State: FL	H. Zip Code: 34982	

IX INDIAN LAND: Is the facility located on Indian lands? Yes: __ No: X

Facility ID 5156C01743

X EXISTING ENVIRONMENTAL PERMITS:

A. NPDES Permit No.	B. UIC Permit No.	C. Other (specify)	D. Other (specify)
None	None	FDEP Const. DC 56-254431 CS 56-260639	FDEP MSSW MS 56-2631976

XI MAP: Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII NATURE OF BUSINESS (provide a brief description)

Wastewater Treatment and Reclaimed Water Production Facility

XIII CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

William Blazak
A. Name (type or print)

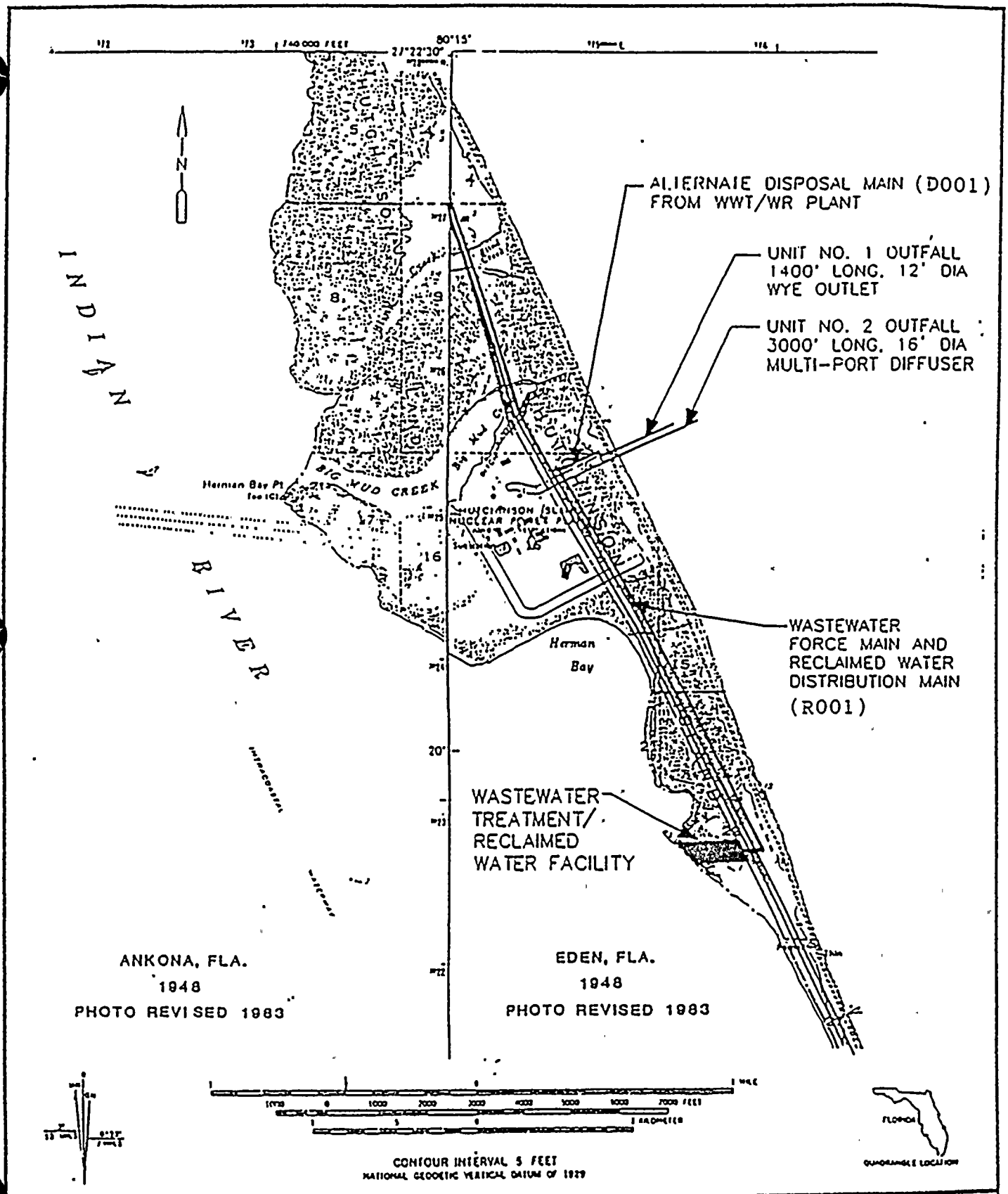
B. Signature

Utility Director
Official Title (type or print)

C. Date Signed

LOCATION MAP

LOCATION MAP



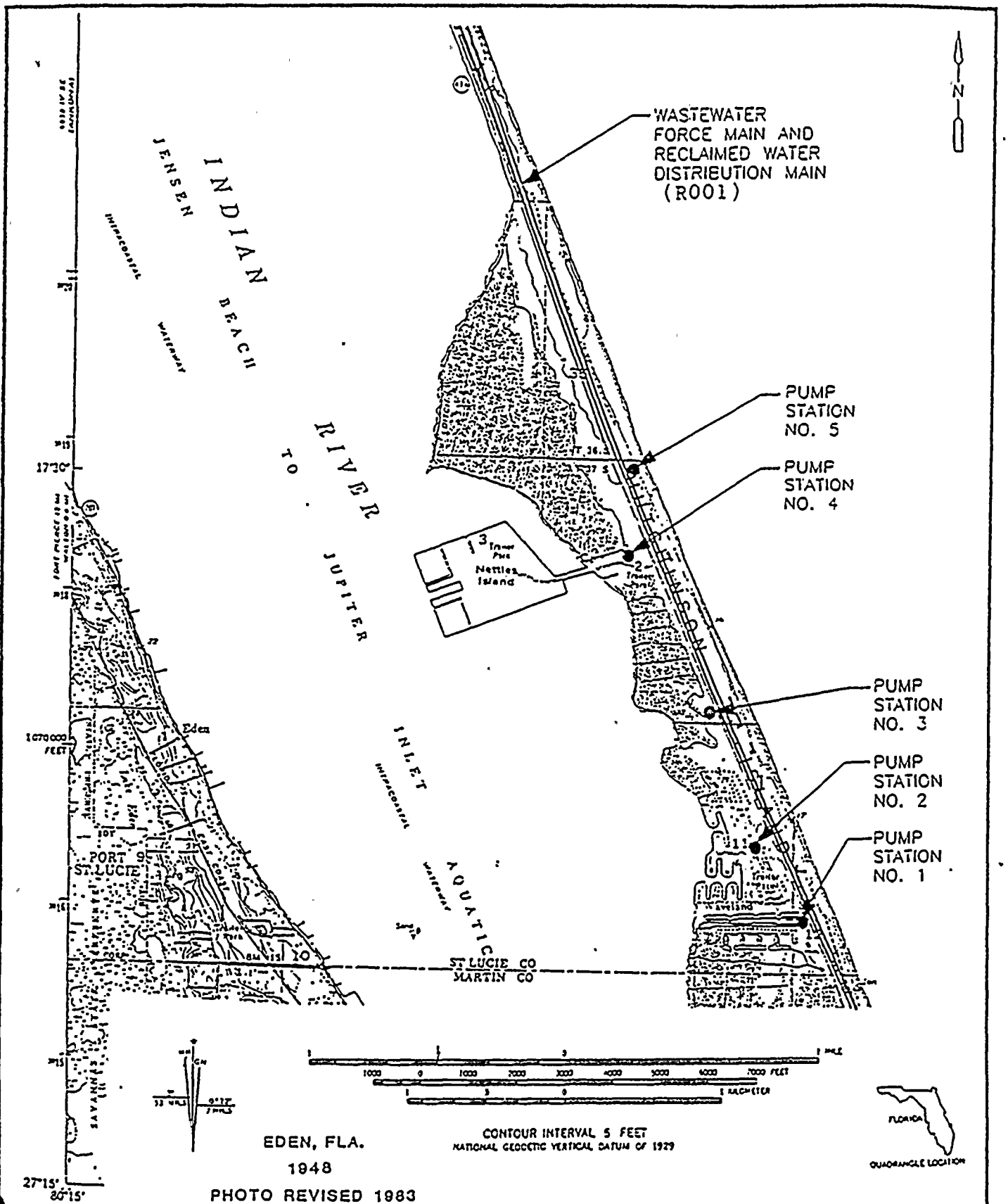
SOUTH HUTCHINSON ISLAND
SCHEMATIC
WASTEWATER COLLECTION AND RECLAIMED WATER DISTRIBUTION SYSTEMS

CDM
environmental engineers, scientists, planners, & management consultants

FIGURE 4-1

6277-010-PA\G0000004 ALN 8/21/92

LOCATION MAP



6277-010-PA\G0000005 ALH

SOUTH HUTCHINSON ISLAND

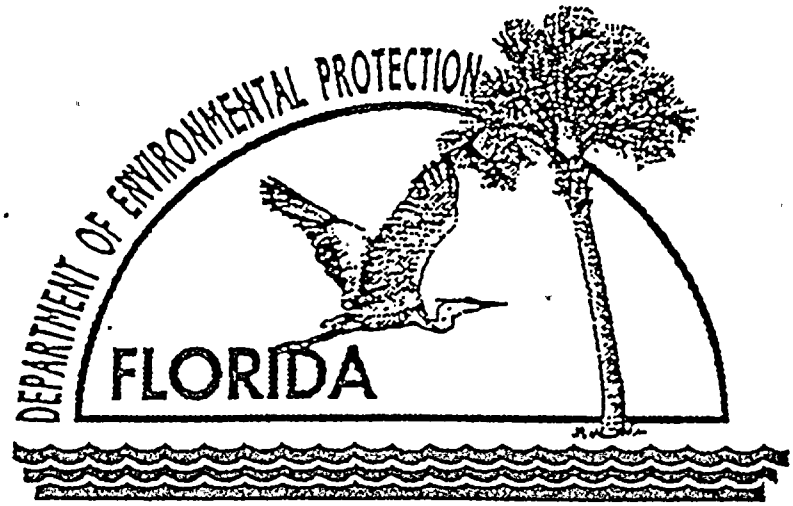
SCHEMATIC

WASTEWATER COLLECTION AND RECLAIMED WATER DISTRIBUTION SYSTEMS

CDM

environmental engineers, scientists, planners, & management consultants

FIGURE 4-1A



WASTEWATER PERMIT APPLICATION FORM 2A

FOR DOMESTIC WASTEWATER FACILITIES

REGfiles: 11/94

WASTEWATER PERMIT APPLICATION FORM 2A

APPLICATION FOR A DOMESTIC WASTEWATER FACILITY PERMIT

TABLE OF CONTENTS

INSTRUCTIONS FOR FORM 2A

APPLICATION FOR A DOMESTIC WASTEWATER FACILITY PERMIT

GENERAL INSTRUCTIONS

1. Application for a domestic wastewater treatment facility permit, reuse or disposal system permit, limited wet weather discharge permit, residuals/septage management facility permit, or any combination thereof shall be made using this form and DEP Form 62-620.910(1). The appropriate number of copies of this form and DEP Form 62-620.910(1), with supporting documentation, and a check for the appropriate application fee made payable to the Department of Environmental Protection shall be submitted with this application as required by Rule 62-620.310, F.A.C.

2. Unless otherwise specified in the detailed instructions, each applicable item must be completed in full in order to avoid delay in processing. To indicate that each item has been considered, enter "NA" for not applicable, where a particular item does not fit the circumstances or characteristics of your facility.

3. All information must be typed or printed in ink.

4. Dates must be entered in MM/DD/YY format.

5. Some items in this form require narrative explanation. For this purpose, attach a separate sheet entitled "Additional Information." Where a separate sheet is used, identify the name of the applicant, the activity, and the section and item number of the form to which it refers. All other documents required by this application must be similarly identified.

SECTION 1. APPLICANT AND FACILITY DESCRIPTION

1. *Application Type*

Indicate whether this application is for construction of new facilities, for substantial modification of existing facilities, or for renewal of an existing facility permit. As defined in Rule 62-620.200, F.A.C., substantial modification means a modification to the facility which is reasonably expected to lead to a substantially different environmental impact or which involves a substantially different type of wastewater or residuals treatment, reuse, or disposal system. A substantial modification includes changes in the characteristics of the effluent, reclaimed water, or residuals, changes to the location of the discharge, or changes in the permitted capacity of the treatment, reuse, or disposal system.

Application for minor modification of existing facilities shall be made on DEP Form 62-620.910(1). A minor modification means a modification to the facility which is not expected to lead to a substantially different environmental impact or which will not involve a substantially different type of wastewater or residuals treatment, reuse, or disposal system. A minor modification does not substantially change the characteristics of the effluent, reclaimed water, or residuals nor does it change the permitted capacity of the treatment, reuse, or disposal system. It includes construction to replace a unit operation or process structure. It also includes construction to unit operation or mechanical equipment which is not associated with routine facility maintenance.

2. *Facility Type* - Indicate whether this application is for a wastewater treatment facility, a reuse or disposal system, a limited wet weather discharge as defined in Rule 62-610.860, F.A.C., a residuals/septage management facility or some combination of the above. (i.e., If the application is for permit renewal of both treatment and disposal facilities, mark an "X" by the word "Treatment" and mark an "X" by the words "Reuse or Disposal". If the application is for construction of treatment facilities only, mark an "X" by the word "Treatment" only.)

3. *Treatment Facility Information* - Enter the requested information for the treatment facility which produces the effluent, reclaimed water, or residuals. Provide the name of the facility as it is officially or legally referred to in order to distinguish it from similar entities, if any, in the same geographical area. Do not use colloquial names as a substitute for the official name. Enter the facility's DEP identification number if the application is for an existing facility (i.e., either for permit renewal or modification). If the application is for a new facility, enter "NA" for the facility's DEP identification number. Enter the address where the facility is located as well as the mailing address of the facility. Enter the ownership status of the permittee.

4. *Applicant or Authorized Representative* - Enter the legal name of the applicant or authorized representative. The applicant or authorized representative is the person, agency, firm, or other entity which owns or is responsible for the wastewater facilities. Enter the name of the applicant as it is officially or legally referred to. Do not use colloquial names as a substitute for the official name. Next, enter the complete mailing address and telephone number of the applicant or authorized representative. This often will not be the same address as is used to designate the location of the wastewater facilities.

5. *Applicant's Authorized Agent* - Give the name, title, address, and telephone number of the person who is thoroughly familiar with the facts reported on the forms and who can be contacted by the DEP, EPA, or other agencies involved in permit application processing and review. The person named, although not necessarily the same as the signing official, is also subject to the provisions of the law quoted below the signature line on the first page of Section 9, Certifications.

6. *Project Name and Description* - For a new facility or a modification to an existing facility, provide the name and a general description of the project. The description should include the reason the project is needed and its relationship to existing facilities.

7. *Collection System Length* - Enter the length of the collection system associated with the wastewater treatment facility.

8. *Industrial Wastewater Contributions* - Enter the total estimated average daily wastewater flow from all industrial sources. All significant industrial users, as defined in Section 5, discharging to the facility must be listed in Section 5. Also indicate whether the facility has an approved pretreatment program, and if so, the name, address, and telephone number of the pretreatment program coordinator.

9. *Municipalities or Areas Served* - Enter the names of the municipalities or areas served by this facility and, for each, enter the best estimate of the actual population served at the time of this application. If there is another sewer authority discharging into this facility, give the name of that authority and the actual population it serves. Do not include the names of the municipalities or areas served by that sewer authority.

10. *Reclaimed Water Reuse and Effluent Disposal* - Enter the number of disposal points for each discharge to surface waters, the number of different types of reuse or land application systems used by the treatment facility, and the number of different underground injection well facilities used by the treatment facility. Reuse or land application systems are considered different types if they are permitted under different parts of Chapter 62-610, F.A.C. (i.e, slow rate restricted public access, rapid-rate, public access reuse system, etc.) Underground injection well systems are considered different facilities if they have different physical locations or distinct DEP identification numbers.

For each method of reuse or disposal listed, provide the total design capacity and the basis of the design flow (e.g., annual average daily flow, maximum monthly average daily flow, three-month average daily flow). Intermittent discharges, such as from overflow or bypass points, and seasonal or periodic discharge points from lagoons, holding ponds, etc., should not be included in the flows provided in this item. Intermittent discharge information should be provided in Item 11. A separate Section 3.A., 3.B., or 3.C. must be completed for each reuse or disposal system identified.

11. *Number of Seasonal or Periodic Discharges* - Enter the number of seasonal or periodic discharge points for the facility. Seasonal or periodic discharges may result for a variety of reasons including wet weather conditions for reuse or land application systems and the need to conduct mechanical integrity tests for underground injection well systems. A separate Section 3.A. must be completed for each seasonal or periodic discharge point identified.

12. *Flows to Another Wastewater Facility* - Indicate whether any flows from the facility go into a collection/transmission system or reclaimed water distribution system controlled by another responsible organization. If no, go directly to Item 13. If yes, indicate the type of system and provide the name and mailing address of the responsible organization receiving the flow. If the flow is to more than one other system, provide the appropriate data of Items 6c, 6d, 6e, and 6f for each system on additional sheets. If the exact flows to these other systems are not known, provide best estimates.

13. *Residuals Use or Disposal* - Enter the average amount of residuals generated by the facility. This amount should be zero for Residuals Management Facilities that are not also wastewater treatment facilities. Indicate whether the facility receives residuals from other facilities for further treatment and disposal. If yes, complete Section 7 of this form. For each method of residuals use or disposal listed, enter the number of sites or number of receiving facilities and the average amount of residuals used or disposed of per year. The total amount of residuals used or disposed of should equal the total amount of residuals generated and received. If the method of use is land application, an Agricultural Use Plan or Dedicated Site Plan should be attached for each site. If the residuals are landfilled, incinerated, or transported to another treatment facility, the name, DEP identification number, and address of the receiving facility should be listed. Identify the treatment processes used by the receiving facility using the treatment codes listed in Table 1.

14. *Permits and Applications*

    a. If applicable, provide the expiration date of the current National Pollutant Discharge Elimination System permit.

    b. If applicable, provide the expiration date of the current DEP permit for this facility.

c. Provide the requested information for all existing environmental permits from Federal, State, and local agencies related to the facility or the proposed project. Also, provide the information for all environmental permits that have been applied for, are pending, or have been denied during the last 5 years.

d. For all currently effective orders and notices issued by Federal, State, and local agencies, provide the name of the issuing agency and the effective date of the order or notice.

SECTION 2. TREATMENT FACILITY DESCRIPTION

This section includes specific information about the treatment facilities. Complete a separate Section 2 for each current or proposed method of reuse or disposal identified in Section 1, Items 10 and 11 for which different levels of treatment are provided. The 4-digit serial numbers which are established in Sections 3. A.1., B.1., and C.1. and which correspond to the treatment facility description should be entered in the space provided at the top of each page of this section.

1. *Description* - Provide a brief narrative description of the treatment process. Example: Treatment consists of primary sedimentation using clarifiers, followed by biological treatment using activated sludge, followed by secondary clarification and chlorination. Residuals are treated by aerobic digestion and vacuum filtration. Residuals are disposed of by incineration.

2. *Treatment Codes* - Describe the wastewater treatment processes using the lettered codes which are listed in Table 1. As much as possible list the codes in the sequence in which the wastewater treatment processes are applied at this facility. Separate all codes with commas except where slashes are used to designate parallel operations.

3. *Design Capacity of the Treatment Facility* - Enter the current design capacity, the proposed incremental design capacity, and the proposed total design capacity in million gallons per day.

4. *Basis of Design Flow* - Enter the basis for the current design capacity, the proposed incremental design capacity, and the proposed total design capacity (e.g., annual average daily flow, maximum monthly average daily flow, three-month average daily flow) for the treatment facilities.

5. *Design Treatment Levels* - At a minimum, enter the range of pH and the 5-day CBOD and the TSS effluent concentrations and percent removals for which the plant is designed. Also provide the basis for the effluent concentrations (i.e., annual average, monthly average, and weekly average as defined in Chapter 62-620, F.A.C.). Design data for additional parameters may be required based on additional treatment requirements established in accordance with Department rules for reclaimed water or effluent disposal.

6. *Disinfection Level Provided* - Indicate the level of disinfection provided as specified in Rule 62-600.440, F.A.C. For the high-level alternative, see Rules 62-600.440(5)(g) and (h), F.A.C. Also, if the facility disinfects by chlorination and the discharge is to surface waters, indicate whether dechlorination is provided.

7. *Residuals Treatment* - Indicate which class criteria the residuals meet after treatment. For example, if the residuals will be distributed and marketed, Class AA should be checked and the residuals should meet the criteria in Rule 62-640.850, F.A.C. If this is an existing facility, provide the listed parameter concentrations and the date of the sample for the latest laboratory analysis. If the residuals will meet different class criteria, provide the information for each class on separate pages.

8. *Reliability Class* - Indicate the class of reliability provided by the treatment facility. Reliability shall be provided in accordance with Rule 62-600.400, F.A.C, as described in the EPA's 1974 publication entitled Design Criteria for Mechanical, Electric, and Fluid System and Component Reliability, MCD-05. If other equivalent reliability is provided, the equivalent reliability features should be described in the preliminary design report or on a separate sheet entitled "Additional Information".

SECTION 3. REUSE OR EFFLUENT DISPOSAL SYSTEM DESCRIPTION

This section includes specific information required for the reuse or effluent disposal system. Complete a separate and appropriate Section 3.A., 3.B., or 3.C. for each current or proposed method of reuse or effluent disposal identified in Section 1, Items 10 and 11. Separate descriptions of each reuse or effluent disposal system are required even if the discharge or reuse system originates at the same treatment facility.

SECTION 3.A. DISCHARGES TO SURFACE WATERS (including wetlands)

1. *Discharge Serial Number and Name* - Assign a 4-digit number beginning with D001 for each point of discharge identified in Section 1, Items 10 and 11. Discharge serial numbers must be consecutive for each additional discharge described; hence, the second serial number would be D002, the third D003, etc. Enter this number at the top of each page of Section 3. A.

   Give the name of the discharge point which distinguishes this discharge point from all other discharge points from the facility (e.g., Ursus Creek Discharge; Varga STP Outfall Number 2). Do not use colloquial terms.

   If application for a permit was made previously for this discharge, supply the serial number which was previously assigned. If no, enter "NA".

2. *Discharge Location* - Provide the name of the county, the name of city or town (if applicable), and the name of the street where the point of discharge is located. If the discharge is not located on a named street, provide a description of the point of discharge. State the precise location where the effluent from the discharge reaches the waterway. If the discharge is to a dry waterway, give the point where the discharge enters the waterway.

3. *Discharge Operating Dates* - If the discharge has never occurred, but is planned for some future date, give the date the discharge will start. If the discharge is scheduled to be discontinued within the next 5 years, give the best estimated date the discharge will end and the reason for discontinuing the discharge. If the discharge is already in operation and is not scheduled to be discontinued within the next 5 years, enter "NA".

4. *Design Capacity of the Outfall* - For the outfall identified in Item 1 of this section, provide the current design capacity, the proposed incremental design capacity, and the proposed total design capacity in million gallons per day (mgd) to three decimal places.

5. *Basis of Design Flow* - Enter the basis for the current design capacity, the proposed incremental design capacity, and the proposed total design capacity (e.g., annual average daily flow, maximum monthly average daily flow, three-month average daily flow) for the outfall.

6. *Basis for Effluent Limitations* - Indicate how and when the effluent limitations were established for this discharge. Technology Based Effluent Limitation (TBEL) means a minimum wastewater treatment requirement, established by the Department, based on treatment technology. The minimum treatment requirements may be set at levels more stringent than that which is necessary to meet water quality standards of the receiving waterbody. TBELs for domestic wastewater treatment facilities are established in Chapter 62-600, Parts II and III. Water Quality Based Effluent Limitation (WQBEL) means an effluent limitation, which may be more stringent than a TBEL, that has been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are established in accordance with the provisions of Chapter 62-650, F.A.C.

7. *Discharge Point Description* - Discharges into ditches or other water courses should be included in the category of a stream.

8. *Receiving Waterbody Name* - Provide the name of the waterbody as designated on a USGS map of the area. If the discharge is to an unnamed tributary, state and provide the name of the first body of water fed by that tributary which is named on the map (e.g., unnamed ditch to Vaughan Creek; unnamed ditch to Serpent River, where Serpent River is the first waterbody that is named on the map and is reached by the discharge).

10. *Classification of Receiving Waterbody* - Indicate the class of the receiving waterbody as defined in Chapter 62-302, F.A.C., and whether the receiving waterbody is an Outstanding Florida Water (OFW) or an Outstanding National Resource Water (ONRW). If yes, name the OFW or ONRW and locate on a USGS map.

11. *Outfall Information* - If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete this item. If no, enter "NA". The discharge depth below water surface and the receiving water bottom depth below water surface should be provided for mean flow conditions.

13. *Additional Information Required for Seasonal or Periodic Discharges* - For each seasonal or periodic discharge identified in Section 1, Item 11, provide the frequency of the discharge. If the discharge is intermittent, from a holding pond, lagoon, etc., give the actual or approximate number. Also, provide the average duration and average volume of the discharge per incidence, and identify the months during the year when the discharge normally occurs. If the seasonal discharge is a limited wet weather discharge permitted in accordance with Rule 62-610.860, F.A.C., complete Item 14 of this section.

14. *Additional Information Required for Limited Wet Weather Discharges Permitted in Accordance with Rule 62-610.860, F.A.C.* - Information requirements in support of a limited wet weather discharge are contained in Rule 62-610.860, F.A.C. If all conditions specified in Rule 62-610.860, F.A.C., are met, a Water Quality Based Effluent Limitation (WQBEL) will not be needed for this discharge. For limited wet weather discharges permitted in accordance with Rule 62-610.860, F.A.C., a simulation of operation of the reuse, storage, and limited wet weather discharge system for an average rainfall year shall be included in the preliminary design report in addition to the information required by Rule 62-610.860(2), F.A.C. Also, a description of the gauging method and the facilities that will be used to measure stream flow in the receiving waterbody upstream of the point of discharge should be included in the report. The gaging station should be located on a USGS map.

15. *Additional Information Required for Wetland Discharges* - If the discharge is to a wetland, complete this item. Chapter 62-611, F.A.C., contains regulations for discharge of domestic wastewater to wetlands.

16. *Operational Data*

a. *Description of Influent and Effluent* - As required by Rule 62-601.300(1), F.A.C., influent data must be provided only for $CBOD_5$ and TSS; effluent data must be provided only for those parameters which have effluent limitations identified in the permit. For parameters which have effluent limitations identified in the permit and are not listed in the Table, enter the parameter names in the blank spaces provided. For each of the required parameters, enter in the appropriate box the value or code letter answer required. Values must be representative of the influent and effluent during the twelve preceding months of operation or represent best engineering estimates for proposed treatment or disposal systems. For facilities that have not been in operation for one year, data reported should represent the existing period of record with a note to that effect. Report in the units specified. Values do not need to be supplied in boxes that have been shaded.

In the column entitled "Effluent Frequency of Analysis", specify the frequency of analysis for each parameter as the number of analyses per number of days (e.g., 3/7 is equivalent to three analyses performed every 7 days). If continuous, enter "CONT". In the column entitled "Effluent Number of Analyses", specify the number of analyses performed during the previous 12 months of operation at the average frequency specified in the column entitled "Effluent Frequency of Analysis" up to 365. In the column entitled "Sample Type", specify "G" for grab samples, "C#" for composite samples, and "NA" if "CONT" was entered in the column entitled "Effluent Frequency of Analysis". The symbol "#" is to be replaced by the average number of hours over which the composite sample was collected (i.e., "C24" means twenty-four hour composite).

Sampling schedules, locations, and methodology shall be as specified in Rule 62-601.500, F.A.C. Sampling and testing methods shall be in accordance with Rule 62-601.400, F.A.C.

b. *Additional Wastewater Characteristics* - Indicate with "X" in the appropriate box those chemical constituents known to be present in the effluent based on any previous analyses, whether or not required by the Department, that have been performed on the effluent. Those constituents for which no previous analyses have been performed need not be indicated.

SECTION 3. B. REUSE AND LAND APPLICATION SYSTEMS

1. *Reuse or Land Application System Serial Number and Name* - Assign a 4-digit number beginning with R001 for each type of reuse or land application system identified in Section 1, Item 10. Reuse or land application system serial numbers must be consecutive for each additional reuse or land application system described; hence, the second reuse or land application system serial number would be R002, the third R003, etc. Enter this number at the top of each page of Section 3. B.

Give the name of the reuse or land application system which distinguishes this system from all other reuse or land application systems from the facility (e.g., Fairview Reuse System; Greenwood Reclaimed Water System Number 2). Do not use colloquial terms.

If application for a permit for this reuse or land application system was made previously, supply the previous reuse or land application system serial number assigned. If no, enter "NA".

2. *Reuse or Land Application System Location* - Provide the name of the county, the name of city or town (if applicable), and the name of the street where the reuse or land application system is located. If the reuse or land application system is not located on a named street, provide a description of the location of the reuse or land application system. Provide the latitude and longitude for the centroid of the reuse or land application site.

3. *Reuse or Land Application System Operating Dates* - If the reuse or land application system has never been placed into operation, but placing the system into operation is planned for some future date, give the date the reuse or land application system will be placed into operation. If the reuse or land application system is scheduled to be taken out of operation within the next 5 years, give the best estimated date the system will cease operation and the reason for taking the system out of operation. If the reuse or land application system is already in operation and is not scheduled to be taken out of operation within the next 5 years, enter "NA".

4. *Design Capacity of the Reuse or Land Application System* - For the reuse or land application system identified in Item 1 of this section, provide the current design capacity, the proposed incremental design capacity, and the proposed total design capacity in million gallons per day (mgd) to three decimal places.

5. *Basis of Design Flow* - Enter the basis for the current design capacity, the proposed incremental design capacity, and the proposed total design capacity (e.g., annual average daily flow, maximum monthly average daily flow, three-month average daily flow) for the reuse or land application system.

8. *Application Areas and Rates* - For each reuse or land application site used by the treatment facility, provide the area irrigated, the average application rate, and the site capacity. List major users (greater than or equal to 0.1 mgd), such as golf courses, separately. Locate all areas or sites receiving reclaimed water along with the overall reuse service area on the USGS map provided under Section 8., Item 1.c.

SECTION 3. C. GROUND WATER DISPOSAL BY UNDERGROUND INJECTION

If the proposed project includes ground water disposal by underground injection, application for construction or operation of the injection well shall be made on DEP Form 62-1.209(9). Application for treatment facilities for the injection well shall be made on this form.

1. *Underground Injection Well Facility Serial Number and Name* - Assign a 4-digit serial number beginning with U001 for each underground injection well facility identified in Section 1, Item 10. Underground injection well facility serial numbers must be consecutive for each additional underground injection well facility described; hence, the second underground injection well facility serial number would be U002, the third U003, etc. Enter this number at the top of each page of Section 3. C.

   Give the name of the underground injection well facility which distinguishes this injection well facility from all other underground injection well facilities (e.g., Mission Road Underground Injection Well Facility; Midway Injection Well System Number 2). Do not use colloquial terms.

   If application for a permit for this underground injection well facility was made previously, supply the previous underground injection well facility serial number assigned. If no, enter "NA".

2. *Underground Injection Well Facility Location* - Provide the name of the county, the name of city or town (if applicable), and the name of the street where the underground injection well facilities are located. If the underground injection well facilities are not located on a named street, provide a description of the location of the facilities. State the precise location of the underground injection well facilities.

3. *Underground Injection Well Facility DEP Identification Number or Permit Application Number* - Enter the DEP identification number for each underground injection well facility identified in Section 1, Item 10. If a DEP identification number has not been assigned, enter the permit application number for the underground injection well facilities.

4. *Discharge Operating Dates* - If the discharge has never occurred, but is planned for some future date, give the date the discharge will start. If the discharge is scheduled to be discontinued within the next 5 years, give the best estimated date the discharge will end and the reason for discontinuing the discharge. If the discharge is to an existing underground injection well facility which is already in operation and is not scheduled to be taken out of operation within the next 5 years, enter "NA".

5. *Design Capacity of the Underground Injection Well Facility* - For the underground injection well facilities identified in Item 1 of this section, provide the current design capacity, the proposed incremental design capacity, and the proposed total design capacity in million gallons per day (mgd) to three decimal places.

6. *Basis of Design Flow* - Enter the basis for the current design capacity, the proposed incremental design capacity, and the proposed total design capacity (e.g., annual average daily flow, maximum monthly average daily flow, three-month average daily flow) for the injection well facilities.

SECTION 4. SCHEDULED IMPROVEMENTS AND SCHEDULES OF IMPLEMENTATION

Provide the information requested for any scheduled improvements to the wastewater facilities, whether uncompleted or proposed and whether developed by the applicant (i.e., self-imposed capital improvements program) or imposed by local, Federal, or State agencies or by court action. If the wastewater facilities have more than one implementation schedule, either because of different levels of authority imposing different schedules (Item 1b) or staged construction of separate operational units (Item 1c), submit a separate Section 4 for each one.

1. *Improvements Required*

   a. *Discharge Serial Numbers, Reclaimed Water Reuse and Land Application System Serial Numbers, and Underground Injection Well Facility Serial Numbers Affected* - List the discharge serial numbers, reuse or land application system serial numbers, and underground injection well facility serial numbers assigned in Section 3 that are covered by this implementation schedule.

   b. *Authority Imposing Requirement* - Check the appropriate item indicating the authority imposing the implementation schedule.

   c. *Improvement Description* - Specify the 3-character General Action Description code listed in Table 2 that best describes the facility improvements. If more than one schedule applies to the facility because of a staged construction schedule, indicate the stage of construction with the appropriate general action code. Submit a separate Section 4 for each stage of construction planned. Also, list all of the 3-character specific action codes listed in Table 2 which describe in more detail the pollution abatement practices.

2. *Implementation Schedule and Actual Completion Dates* - Indicate, as accurately as possible, scheduled and actual completion dates. For improvements imposed by local, Federal, or State agencies or by court action, provide the dates imposed by the compliance schedule and any actual dates of completion, as applicable. For self-imposed capital improvement programs, provide, at a minimum, the planned and actual completion dates for completion of final plans and specifications, begin construction, begin reuse or disposal, and operational level attained. A description of the implementation dates follows.

   a. *Preliminary Plans Complete* - The date the preliminary engineering report is to be completed.

   b. *Final Plans and Specifications Complete* - The date the detailed plans and specifications are to be completed.

   c. *Financing Complete* - The date all financing arrangements are to be completed.

   d. *Site Acquired* - The date the land to be used for the treatment works is to be acquired.

   e. *Begin Construction* - The date construction is scheduled to begin.

   f. *End Construction* - The date construction is scheduled to be completed.

   g. *Begin Reuse or Disposal* - The date the treatment facility or reuse or disposal system is scheduled to be placed into operation.

   h. *Operational Level Attained* - The date the effluent or reclaimed water level is scheduled to comply with the final reclaimed water or effluent limitations.

SECTION 5. INDUSTRIAL WASTEWATER CONTRIBUTIONS

Domestic wastewater treatment facilities that meet any of the criteria in a. through c. below must develop a pretreatment program in accordance with Chapter 62-625, F.A.C.:

a. Any facility owned or operated by a public utility, as defined in Rule 62-625.200, F.A.C., (or combination of facilities operated by the same utility) with a total design flow greater than 5 million gallons per day and receiving pollutants from industrial users which pass through or interfere with the operation of the facility or are otherwise subject to pretreatment standards;

b. Any facility owned or operated by a public utility with a design flow of 5 million gallons per day or less, if the Department finds that the nature or volume of the industrial influent causes or contributes to treatment process upsets, violations of wastewater effluent limitations, contamination of domestic wastewater residuals, or other circumstances requiring a pretreatment program in order to prevent interference with the facility or pass through; and

c. Any facility providing reclaimed water to public access areas in accordance with Chapter 62-610, F.A.C, unless the facility provides an affirmative demonstration that there are no significant industrial users discharging into the facility.

If a facility identified as needing a pretreatment program does not have an approved pretreatment program, the Department shall include a compliance schedule in their permit for the development of a program meeting the requirements of Chapter 62-625, F.A.C.

Each domestic wastewater treatment facility is required to complete a separate Section 5 for each significant industrial user as defined in Rule 62-625.200, F.A.C., discharging wastewater into the domestic wastewater facility. It is the responsibility of the applicant to obtain the required information on any significant industrial user of the facility. Actual data should be provided if available. If actual data is not available, Section 5 should be marked "interim" and a best estimate should be provided with a statement indicating the amount of time required to provide the actual information. Filing the permit application should not be delayed beyond the filing deadline for completion of Section 5. However, any missing information is to be submitted when it becomes available. If certain of the requested information does not apply, it should be marked "NA".

1. *Significant Industrial User* - Give the name and the address that designates the location of the facility.

2. *Primary Standard Industrial Classification Code* - Using 4-digit standard industrial classification (SIC) codes, indicate the type of industrial facility described in Section 5 that is discharging into the domestic wastewater facilities covered by this application.

   Standard industrial classification (SIC) code numbers and descriptions may be found in the 1972 edition of the "Standard Industrial Classification Manual" prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office, Washington, D.C. Do not use previous editions of the manual. Copies are also available for examination at the Department's District Offices.

3. *Principal Product or Raw Material* - Specify either the principal product or business, or the principal raw material, and the maximum quantity per day produced or consumed. Quantities are to be reported in the units of measurement given in Table 3 for the particular SIC categories that are listed. Enter the letter-number code from the "Code" column in Table 3 for the units selected under "Units". Other SIC categories should use the units of measurement normally used by that industry.

4. *Flow* - Indicate the volume of wastewater discharged into the domestic wastewater facilities and whether this discharge is intermittent or continuous.

5. *Pretreatment Provided* - Indicate whether pretreatment is provided prior to entering the domestic wastewater facilities.

6. *Characteristics of Wastewater* - Indicate the characteristics of the wastewater from the contributing industry in terms of parameters that will adequately identify the wastewater such as BOD, COD, Cr, Zn, pH units, degrees Fahrenheit, etc. The characteristics should be indicative of the wastewater stream after any pretreatment is provided by the industrial facility but prior to entering the domestic wastewater facilities.

SECTION 6. ADDITIONAL INFORMATION REQUIRED PERMIT RENEWALS

Complete this section if the permit application is to renew an existing domestic wastewater facility permit. Attach separate sheets entitled "Additional Information" as indicated.

SECTION 7. ADDITIONAL INFORMATION REQUIRED FOR RESIDUALS/SEPTAGE MANAGEMENT FACILITIES

If the facility accepts residuals from one or more wastewater treatment facilities for further treatment or disposal, this section should be completed. This section should also be completed for septage management facilities treating more than 10,000 gallons per day monthly average daily flow of septage. Residuals/septage use or disposal information should be provided in Section 1, Item 13. Residual/septage treatment information should be provided in Section 2, Item 7. All other applicable sections of this form should also be completed.

A separate Item 3 of this section must be completed for each wastewater treatment facility which transports residuals to this residuals/septage management facility.

SECTION 8. DOCUMENTATION SUBMITTED

Indicate whether the following documentation is attached to this application.

1. *General Application Requirements* - A process flow diagram, site plan, and location map are required with this application. All maps and drawings should be on paper or other material suitable for reproduction. If possible, all sheets should be approximately letter size with margins suitable for filing and binding. As few sheets as necessary should be used to clearly support the application. All sheets should include a title which includes the applicant's name, facility location, date of drawing, and designation of the number of sheets of each diagram type as "Page __ of __".

   a. *Process Flow Diagram* - The process flow diagram, a line drawing of the wastewater flow through the treatment facility, should identify each treatment unit (including the residuals treatment processes) and show the current average design flows to each unit. The title is to be headed by the statement "Process Flow Diagram."

   b. *Site Plan* - The site plan should show the current status (i.e., operational, not operational, abandoned, etc.) and the location of all operation and unit processes. The title is to be headed by the statement "Site Plan."

   c. *Location Map* - The location map should be an 8 1/2" x 11" copy of a USGS map extending one mile beyond the facilities boundaries showing the treatment facility location, the reuse or disposal system location, the land application system site(s), and the receiving waterbody location, as applicable. The location of each discharge structure and reuse or land application site, including any and all outfall devices, dispersive devices, and nonstructural points of reuse or disposal should be shown. For discharges to surface waters, the structure must be identified using the 4-digit serial number specified in Section 3.A.1. The location of each reuse and land application system must be identified using the 4-digit serial number specified in Section 3.B.1. The location of each underground injection well facility must be identified using the 4-digit serial number specified in Section 3.C.1. On all maps of rivers, the direction of the current is to be indicated by an arrow. In tidal waters, the directions of the ebb and flow tides are to be shown. The map should show those wells, springs, sinkholes, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant in the map area. The title is to be headed by the statement "Location Map". Be sure to include the name and date of the USGS map provided.

d. *Agricultural Use Plan or Dedicated Site Plan* - If the method of residuals use or disposal is by land application, attach as applicable, an up-to-date Agricultural Use Plan or Dedicated Site Plan with the application as required by Chapter 62-640, F.A.C.

e. *Capacity Analysis Report* - Applications for modifications to existing facilities and applications for permit renewal shall include a capacity analysis report if required by Rule 62-600.405, F.A.C.

f. *Results of Whole Effluent Biological Toxicity Testing* - For facilities discharging to surface waters, applications for modifications to existing facilities and applications for permit renewal shall include the results of whole effluent biological toxicity testing as required by Rules 62-620.450 and 62-620.455, F.A.C.

g. *Reuse Feasibility Study* - In accordance with Section 403.064, Florida Statutes, if the wastewater treatment facility is located in an area that has been designated as a water resource caution area by the Water Management District, a reuse feasibility study must be submitted with this application.

h. *Binding Agreements and Documentation of Controls on Individual Users of Reclaimed Water* - In accordance with Rules 62-620.450 and 62-620.455, F.A.C., for projects involving the discharge of reclaimed water or effluent onto property not owned or under the direct control of the permittee, the application shall include a binding agreement, generally for the term of the useful life of any treatment, reuse, or disposal facilities, to ensure adequate operation and maintenance of facilities. For reuse projects permitted under Part III of Chapter 62-610, F.A.C., the permittee shall submit documentation of controls on individual users of reclaimed water through detailed agreements or by local ordinances as set forth in Rule 62-610.491, F.A.C.

2. *Additional Application Requirements for New Facilities and Modifications to Existing Facilities*

a. *Preliminary Design Report* - For all projects involving construction of new facilities or modifications to existing facilities, a preliminary design report must be submitted in support of this application pursuant to Rule 62-620.450, F.A.C. The preliminary design report must address each applicable section of Rule 62-600.715, F.A.C., and, for reuse and land application systems, Rule 62-610.310, F.A.C., and for residuals management facilities, Rule 62-640.880, F.A.C. The preliminary design report shall be signed and sealed by the engineer of record.

b. *Documentation of Compliance with Antidegradation Requirements* - If the proposed project includes a new discharge to surface waters or an expansion of an existing discharge to surface waters, attach documentation supporting that the proposed new or expanded discharge meets the antidegradation requirements contained in Rule 62-4.242, F.A.C.

c. *Public Service Commission (PSC) Certification Number and Copy of Certificate or Order Number and Copy of Order* - In accordance with Rule 62-620.450, F.A.C., new domestic wastewater treatment plants serving an area located in a county regulated by the PSC must obtain, before permit issuance, either a certificate of authorization or an order of exemption. Attach a copy of the certification number and a copy of the certificate or the order number and a copy of the order.

d. *Letter from the Management and Storage of Surface Waters (MSSW) Permitting Agency* - To comply with the requirements of Rule 62-610.465, F.A.C., if the project is to be permitted under Part III of Chapter 62-610, F.A.C., if golf course lakes are used for storage, and if these lakes also serve as part of the stormwater management system, provide a concurrence letter from the Management and Storage of Surface Waters (MSSW) permitting agency stating that the lakes have sufficient capacity for both stormwater management and storage of reclaimed water.

e. *Request for Approval of Monitoring Plans for Discharge of Domestic Wastewater to Wetlands* - If the discharge is to a wetlands, attach to this application a completed DEP Form 62-1.205(11) in accordance with Rule 62-611.600, F.A.C.

f. *Concurrent Application for Ground Water Disposal by Underground Injection* - If the discharge is ground water disposal by underground injection, concurrent application using DEP Form 62-1.209(9) is required.

g. *Application for Monitoring Plan Approval* - If the facility is required to monitor groundwater in accordance with Chapter 62-522.600, F.A.C., a complete DEP Form 62-522.900(1), Application for Monitoring Plan Approval, shall be submitted with this application.

3. *Additional Application Requirements for Permit Renewals*

a. *Operation and Maintenance Performance Report* - An operation and maintenance performance report shall be submitted with the applicatic . pursuant to Rule 62-600.735, F.A.C.

b. *Reclaimed Water or Effluent Analysis Report* - In accordance with Rule 62-601.300, F.A.C., wastewater treatment facilities with a permitted capacity of 100,000 gpd or greater that discharge to ground waters via reuse or land application systems shall complete and submit DEP Form 62-601.900(4), Reclaimed Water or Effluent Analysis Report, with any application to renew a permit.

c. *Technical Evaluation of Need to Revise Local Pretreatment Limits* - For all domestic wastewater facilities with an approved pretreatment program, the applicant shall submit a copy of the latest program approval letter with the application and a written technical evaluation of the need to revise local limits in accordance with Chapter 62-625, F.A.C.

d. *Results of Mechanical Integrity Tests* - For underground injection facilities, attach the results of mechanical integrity tests as referenced in Rule 62-28.130, F.A.C.

SECTION 9. CERTIFICATIONS

As indicated, complete the appropriate certifications for new facilities, modifications to existing facilities, and permit renewals.

This application and all attachments shall be signed in accordance with Rule 62-620.305, F.A.C. Also, this application and all attachments shall be signed and sealed by a professional engineer registered in Florida in accordance with Rule 62-620.310, F.A.C.

TABLE 1

TREATMENT CODES

The treatment operations shown in this table are, in general, arranged in the order in which they normally occur during wastewater and residuals treatment, reuse, or disposal. Enter the codes which most clearly define your plant operations as requested on the application form in the sequence in which they occur. Where parallel or alternate operations are involved, list the codes one after the other, but enclose all of them in slashes.

In most instances, each major operation is designated by a single letter. To allow more specific definition of complex operations, one or two letters have been added to the basic codes showing variations in processes or techniques. For example, the basic code for filtering operations is "F". To show that it is a sand filter, an "S" is added to make the code "FS". It is further defined to show an intermittent sand filter as "FSI".

J - Equalization.
JS - Surge Tank.
S - Screens.
SC - Comminutor (grinding of influent wastewater stream).
M - Metering.
G - Grit chamber.
GA - Aerated grit chamber.
O - Grease removal and skimming tanks not incidental to settling tanks.
OA - Aerated tank (diffused air).
E - Pretreatment.
EA - By aeration.
EG - By chlorine gas.
EH - By hypochlorite.
EZ - By ozonation.
ET - By temperature control.
EO - By other.
C - Primary settling tanks and holding tanks.
R - Intermediate settling tanks (include only if used as part of other than additional treatment processes).
AS - Activated sludge treatment.
ASN - Conventional (approximately 4 to 8 hours of aeration with approximately 25 percent sludge return).
ASA - High rate aeration (less than 4 hours aeration).
AST - Tapered aeration (variable aeration along length of tank).
ASS - Step aeration.
ASP - Plug flow.
ASR - Completely mixed step aeration and sludge return.
ASG - Stage aeration including intermediate settling.
ASC - Contact stabilization (provides aeration period less than 2 hours in contact tank).
ASE - Extended aeration.
ASO - Pure oxygen used (80 percent+).
AP - Treatment by plain aeration.
APC - Contact aeration (fixed media, i.e., contact plates or frames).
APP - Plain aeration (no sludge return).
APO - Oxidation ditch.
F - Filters.
FC - Contact beds including dosing siphons.
FS - Sand filters.
FSI - Intermittent sand filters.
FSR - Rapid sand filters or other sand straining including subsurface.
FO - Roughing filters.
FT - Trickling filters.
FTH - High rate trickling filters.
FTL - Low rate trickling filters.
K - Intermediate treatment (include only if used as part of other than additional treatment processes).
KG - Coagulation.
KF - Flocculation.
N - inal settling tanks.
P - isinfection.
PG - By chlorine gas.

TABLE 1 - TREATMENT CODES (continued)

PH - By hypochlorite.
PO - By ozone.
I - Application of reclaimed water to land.
IR - Irrigation of restricted access areas (Part II).
IP - Irrigation of public access areas (Part III).
IE - Irrigation of edible food crops (Part III).
ID - Rapid-rate land application systems (Part IV).
IA - Absorption fields (Part V).
IO - Overland flow systems (Part VI).
L - Lagoons or ponds.
LE - Evaporation (no discharge).
LS - Seepage (no discharge).
LP - Settling.
LH - Holding or detention.
LT - Emergency storage only.
LO - Stabilization.
LA - Aeration provided.
D - Residuals stabilization.
DN - Anaerobic.
DA - Mechanical aeration provided (aerobic digestion).
DD - Diffused aeration provided (aerobic digestion).
DL - Lime stabilization.
DC - Composting.
DR - Air Drying.
DH - Heat Drying.
DT - Heat Treatment.
DM - Thermophilic Aerobic Digestion.
DB - Beta Ray Irradiation.
DG - Gamma Ray Irradiation.
DP - Pasteurization.
Q - Blending.
B - Residuals drying beds.
H - Residuals storage tanks (not second stage digestion units).
T - Residuals thickener.
TA - Air flotation.
V - Mechanical residuals dewatering.
VC - Centrifuge.
VV - Rotary vacuum filter.
VP - Press.
VH - Heat treatment.
Z - Residuals conditioning.
ZY - Elutriation.
W - Additional treatment.
WH - Heavy metals removal.
WP - Phosphorus removal.
WS - Suspended solids removal.
WA - Carbon absorption.
WB - Breakpoint chlorination.
WC - Chemical coagulation and sedimentation.
WD - Distillation.
WE - Electrical processes.
WEC - Electrochemical.
WED - Electrodialysis.
WG - Evaporation.
WF - Filtration.
WK - Foaming.
WI - Ion exchange.
WJ - Dissolved air floatation.
WL - Lagoons-polishing only.
WM - Microscreening.
WN - Nitrogen removal.
WNS - Ammonia stripping.
WNA - Biological nitrification 1 stage.
WNB - Biological nitrification 2 stage.
WND - Denitrification by anaerobic digestion and suspended growth chamber.
WNC - Denitrification by anaerobic digestion and packed columns.
WX - Chemical oxidation.
WU - Neutralization.
WR - Reverse osmosis.
WV - Solvent extraction.
X - Residuals disposal.
XA - Applied to agricultural lands.
XD - Distribution and Marketing.
XF - Burned for fuel.
XI - Incinerated.
XN - Used for landfill.
XR - Land reclamation.
XO - Wet air oxidation.

TABLE 2

GENERAL ACTION DESCRIPTION CODES

	Key word
General action description:	
New facility	NEW
Modification (no increase in capacity or treatment)	MOD
Increase in capacity	INC
Increase in treatment level	INT
Both increase in treatment level and capacity	ICT
Specific action description:	
Primary	PRI
Secondary	SEC
Advanced	TER
Polishing lagoon	PLA
Phosphorus removal	PHO
Nitrogen removal	NIT
Organic removal	ROR
Disinfection	DIS
Residuals processing	SLP
Residuals disposal	SLD
Outfall	OUT
Sanitary intercepting sewer	SIN
Sanitary collector sewer	CSE
Pumping station	IPU
Force Main	FUM
Infiltration correction	INI

TABLE 3

UNITS OF MEASUREMENT BY SIC CODE (Industry)

SIC Codes(s)	Code	Units of Measurement	Industry
201; 2077	A-1	Pound live weight killed (meatpacking in slaughter house or packing house; poultry processing)	Meat products.
	A-2	Pound product (slaughtering and rendering; processing)	
	A-3	Pound raw material (rendering in offsite plant)	
202; 5143	B-1	1,000 pound milk equivalent	Dairy products.
2033; 2034; 2037; 2038	C-1	Ton raw material	Canned and preserved fruits and vegetables.
204	D-1	1,000 bu processed	Grain mill products.
2061	E-1	Ton sugar cane processed	Raw cane sugar.
2062	E-2	Ton raw sugar processed	Cane sugar refining.
2063	E-3	Ton beets sliced	Beet sugar.
2077 (See SIC 201.)			
2084	F-1	Ton grapes pressed	Wines, brandy, and brandy spirits.
	F-2	1,000 gallons wine (table wine, for process season only)	
2085	F-3	1,000 bu grain processed	Distilled liquor, except brandy.
2086	F-4	1,000 standard cases	Bottled and canned soft drinks.
2091;2092	G-1	Ton raw material	Seafoods.
22	H-1	1,000 lb raw material	Textile mill products.
	H-2	or 1,000 lb product	
2421	I-1	1,000 fbm	Sawmills and planing mills.

2435;2436	I-2	1,000 ft^2 on three-eighths inch basis	Veneer and plywood.
2491	I-3	1,000 ft^3 treated	Wood preserving.
2492	I-4	1,000 ft^2 on a three-fourths inch basis	Particle board.
26	J-1	Ton product	Paper and allied products.
2812;2816;2819	K-1	Ton product	Inorganic chemicals.
2821;2823; 2824;2891;3079	L-1	1,000 pound product	Plastic materials and synthetic industry.
2822	M-1	1,000 pound rubber produced	Synthetic rubber (vulcanizable elastomers).
283	N-1	1,000 pound raw material	Drugs and pharmaceuticals.
2841	O-1	1,000 pound product	Soap and detergents.
	O-2	or 1,000 gallon product	
2865;2869	P-1	1,000 pound product	Organic chemicals.
2873;2874;2875	Q-1	1,000 ton product	Fertilizer industry.
2879	R-1	1,000 pound product	Agricultural chemicals and pesticides.
2891 (See SIC 2821)			
2911	S-1	1,000 bbl crude or partially refined feedstock (stream day)	Petroleum refining.
3011;3021; 3031;3041;3069	T-1	1,000 pound raw material	Rubber products.
3111	U-1	1,000 pound green salted hides or pickled skins	Leather tanning and finishing.
3211;3231	V-1	1,000 ton product	Flat glass and glass products made from purchased glass.
	V-2	or 1,000 ft^2 mirrored surface (for mirrored glass only)	
3241	V-3	1,000 bbl product	Hydraulic cement.
327	V-4	1,000 ton product	Concrete, gypsum, and plaster products.
3292	V-5	1,000 ton asbestos used	Asbestos products.

331	W-1	Ton dry coal	Coke making.
	W-2	Ton hot metal	Blast furnaces.
	W-3	Ton liquid steel	Steelworks.
	W-4	Ton hot formed steel	Hot forming.
	W-5	Ton processed steel	Rolling and finishing mills.
332	W-6	Ton metal cast	Iron and steel foundries.
333	X-1	1,000 pound metal product	Primary smelting and refining of nonferrous metals.
334	X-2	1,000 pound metal product	Secondary smelting and refining of nonferrous metals.
335	X-3	1,000 pound metal processed	Rolling, drawing, and extruding of nonferrous metals.
336	X-4	1,000 pound metal cast	Nonferrous foundries.
3465;3711;3714	Y-1	Unit production	Automobile manufacturing
	Y-2	or square feet	
4911;4931	Z-1	1,000 MWd generated	Electric power services.
4961	Z-2	1 million pound steam produced	Steam supply.

Serial Number(s) D001, R001

6. Disinfection Level Provided

___ Low-level
___ Basic
___ Intermediate
_X_ High-level
___ High-level Alternative

If the facility disinfects by chlorination and the discharge is to surface waters, is dechlorination provided?

_X_ Yes ___ No

7. Residuals Treatment

a. Class of Residuals

___ Class AA (Rule 62-640.850, F.A.C.)
___ Class A (Rule 62-640.600, F.A.C.)
_X_ Class B (Rule 62-640.600, F.A.C.)
___ Other

If other, describe. _____

b. Parameter Concentrations Unknown

Total Nitrogen	_____ % dry weight
Total Phosphorus	_____ % dry weight
Total Potassium	_____ % dry weight
Cadmium	_____ mg/kg dry weight
Copper	_____ mg/kg dry weight
Lead	_____ mg/kg dry weight
Nickel	_____ mg/kg dry weight
Zinc	_____ mg/kg dry weight
pH	_____ standard units
Total Solids	_____ %
Other Parameters (Describe.)	_____

Date of Sample _____/_____/_____

8. Reliability Class

_X_ Class I
___ Class II
___ Class III
___ Other Equivalent Reliability

Serial Number 0001

SECTION 3. A. DISCHARGES TO SURFACE WATERS (including wetlands)

1. Discharge Serial Number and Name

Discharge Serial Number	0001
Discharge Name	FPL Cooling Water Outfall System
Previous Discharge Serial Number	N/A

2. Discharge Location

County	St. Lucie County
City or Town (if applicable)	South Hutchinson Island
Street or Description	FPL Nuclear Power Plant Cooling Water System
Latitude	27 o 21 ' 02 "N
Longitude	80 o 14 ' 27 "W
Dates Coordinates Determined	10 / 15 / 96
Method Used to Obtain Coordinates	USGS Map

3. Discharge Operating Dates

Discharge Start Date (est.)	4 / 26 / 97
Discharge End Date N/A	/ /

Reason for Discontinuing the Discharge N/A

4. Design Capacity of the Outfall

Current Design Capacity	0 mgd
Proposed Incremental Design Capacity	+ 2.6 mgd
Proposed Total Design Capacity	= 2.6 mgd

5. Basis of Design Flow

___ Annual Average Daily Flow
___ Maximum Monthly Average Daily Flow
___ Three-Month Average Daily Flow
_x_ Other

If other, specify. Max. Day

Serial Number 0001

6. Basis for Effluent Limitations

___ TBEL
_X_ Level I WQBEL
___ Level II WQBEL
___ Other

If other, specify. _____

Date Effluent Limitations Established _____/_____/_____

7. Discharge Point Description

_X_ Ocean
___ Stream
___ Estuary
___ Lake
___ Wetland
___ Other

If other, specify. _____

8. Receiving Waterbody Name: Atlantic Ocean

9. Type of Receiving Waterbody

___ Fresh
_X_ Brackish or Marine

10. Classification of Receiving Waterbody

___ Class I
___ Class II
___ Class III
___ Class IV
_X_ Class V

Is the receiving waterbody contiguous to, or identified as, an Outstanding Florida Water (OFW) or an Outstanding National Resource Water? ___ Yes _X_ No

If yes, name and locate on a USGS map. _____

11. Outfall Information

Description of Outfall and Diffuser: Two outfall pipes: one of 12' diameter and 1400' long with horizontal wye discharge fitting, one of 16' diameter and 3,000' long with multiport diffuser system over last 1500'

Construction Materials	Concrete	
Length From Shore	1400, 3000	feet
Diameter	144, 192	inches
Discharge Depth Below Water Surface	40, 63	feet
Receiving Water Bottom Depth Below Water Surface	40, 63	feet

12. Surface Water Improvement and Management (SWIM)

a. Will the discharge affect any SWIM plan waterbodies? ___ Yes _X_ No

b. If yes, name the waterbody. _____

c. Has the SWIM plan been approved by a water management district and the Department? ___ Yes ___ No

d. If yes, attach documentation that the proposed discharge is consistent with the SWIM plan.

13. Additional Information Required for Seasonal or Periodic Discharges

Unknown frequency & duration of wet-weather discharges to alternate outfall.

Frequency _____ Times Per Year
Duration _____ Days
Volume _____ Thousand Gallons Per Incident
Occurrence

	Jan		May		Sep
	Feb		Jun		Oct
	Mar		Jul		Nov
	Apr		Aug		Dec

14. Additional Information Required for Limited Wet Weather Discharges Permitted in Accordance with Rule 62-610.860, F.A.C.

Refer to Revised Preliminary Design Report, dated June 1994, submitted with construction permit application

a. Downstream Waterbody

Name of nearest downstream lake, estuary, reservoir, OFW, or Class I water. Show location on a USGS map. Atlantic Ocean

Downstream Waterbody Description

_X_ Ocean
___ Stream
___ Estuary
___ Lake
___ Wetland
___ Other

If other, specify. _____

Serial Number D001

Classification of Downstream Waterbody

___ Class I
___ Class II
___ Class III
___ Class IV
_X_ Class V

Distance Downstream _____ miles

Average Flow Velocity During Anticipated Periods of Discharge _____ feet per second

Travel Time During Anticipated Periods of Discharge _____ hours

b. Rainfall Information

Rainfall Gauging Station Location _____

Period of Record Analyzed:
Beginning Year _____
Ending Year _____
Number of Years _____
Average Annual Rainfall _____ inches per year

c. Simulation of Operation of the Reuse, Storage, and Limited Wet Weather Discharge for an Average Rainfall Year

Year Simulated _____

Annual Rainfall During Average Year _____ inches

Number of Days Limited Wet Weather Discharge is Used During Average Rainfall Year (N) _____ days

Percent of the Days of the Year that the Limited Wet Weather Discharge will Occur During Average Rainfall Year (P) _____ %

Note:
P = [(N) / (365)] x 100%.
P cannot exceed 25% or be less than 1%.

d. Reclaimed Water Quality (maximum monthly average)

$CBOD_5$ _____ mg/L
TKN (as Nitrogen) _____ mg/L

e. Minimum Acceptable Stream Dilution Factor (SDF) _____

Note:
SDF = P(0.085 x $CBOD_5$ + 0.272 x TKN - 0.484)
The values for $CBOD_5$ and TKN should be in terms of maximum monthly average limitations as provided in 14.d. above. The value of P should be as calculated in 14.c. above.

f. Adjusted Stream Dilution Factor _____

Note:
If the travel time shown in 14.a., above, is less than 24 hours, provide the adjusted minimum acceptable stream dilution factor.
Adjusted SDF = SDF x (24 hours)/(travel time in hours)

15. Additional Information Required for Wetland Discharges N/A

a. Is the wetland a jurisdictional wetland (i.e. within the landward extent of waters as defined in Rule 62-301.400. F.A.C., or isolated and not owned entirely by one person, or owned entirely by the State)? ___ Yes ___ No

b. Will the wetland be used as a treatment wetland or receiving wetland? ___ Treatment ___ Receiving

If the wetland is to be used as a treatment wetland, attach documentation showing ownership or the applicant's legal interest in the treatment wetland.

c. If the wetland is to be used for treatment, identify the type. ___ Man-made ___ Hydrologically Altered ___ Unaltered

d. Is the wetland herbaceous or woody? ___ Herbaceous ___ Woody

e. Identify the classification of surface waters within the wetland. ___ Class I ___ Class II ___ Class III ___ Class IV ___ Class V

f. Are the waters within the wetland part of an OFW? ___ Yes ___ No

Serial Number D001

16. Operational Data N/A (NEW PLANT UNDER CONSTRUCTION)

a. Description of Influent and Effluent

	Influent	Effluent					
Parameter	Annual Average	Annual Average	Lowest Monthly Average	Highest Monthly Average	Frequency of Analysis	Number of Analyses	Sample Type
Flow mgd							
pH Units							
Fecal Coliform Bacteria Number/100 mL							
CBOD 5-day mg/L							
Chlorine Total Residual mg/L							
Total Suspended Solids mg/L							
Ammonia (as N) mg/L							
Kjeldahl Nitrogen mg/L							
Nitrate (as N) mg/L							
Total Phosphorus (as P) mg/L							
Dissolved Oxygen mg/L							

Serial Number D001

a. Description of Influent and Effluent (continued) N/A

	Influent	Effluent					
Parameter	Annual Average	Annual Average	Lowest Monthly Average	Highest Monthly Average	Frequency of Analysis	Number of Analyses	Sample Type

b. Additional Wastewater Characteristics Unknown (New plant under construction)

Parameter	Present	Parameter	Present	Parameter	Present
Bromide		Cobalt		Thallium	
Chloride		Chromium		Titanium	
Cyanide		Copper		Tin	
Fluoride		Iron		Zinc	
Sulfide		Lead		Algicides*	
Aluminum		Manganese		Chlorinated Organic Compounds*	
Antimony		Mercury		Oil and Grease	
Arsenic		Molybdenum		Pesticides*	
Beryllium		Nickel		Phenols	
Barium		Selenium		Surfactants	
Boron		Silver		Radioactivity*	
Cadmium					

* Provide specific compound or element as "Additional Information", if known.

Serial Number R001

SECTION 3. B. REUSE AND LAND APPLICATION SYSTEMS

1. Reuse or Land Application System Serial Number and Name

Reuse or Land Application System Serial Number	R001
Reuse or Land Application System Name	South Hutchinson Island Reuse System
Previous Reuse or Land Application System Serial Number	N/A

2. Reuse or Land Application System Location

County	St. Lucie
City or Town (if applicable)	So. Hutchinson Island (unincorporated)
Street or Description	Developments along SR A1A
Latitude (Approx. centroid)	27 ° 17 ' 30 "N
Longitude	80 ° 13 ' 00 "W
Dates Coordinates Determined	10 / 15 / 96
Method Used to Obtain Coordinates	USGS Map

3. Reuse or Land Application System Operating Dates

System Operation Start Date (Earliest Estimate)	4 / 26 / 97
System Operation End Date	N/A / /
Reason for Discontinuing System Operation	

4. Design Capacity of the Reuse or Land Application System

Current Design Capacity	0 mgd
Proposed Incremental Design Capacity	+ 2.6 mgd
Proposed Total Design Capacity	= 2.6 mgd

5. Basis of Design Flow

___ Annual Average Daily Flow
___ Maximum Monthly Average Daily Flow
___ Three-Month Average Daily Flow
___ Other

If other, specify. Max. Day

6. Underdrains and Perimeter Ditches

a. Is the reuse or land application system underdrained? ___ Yes x No

b. Are perimeter ditches used? ___ Yes _x_ No

If yes, will they be excavated to a depth which will intersect the seasonal high ground water table or the ground water mound during any portion of the year? ___ Yes ___ No

7. Type of Reuse or Land Application System

___ Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
_x_ Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
___ Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
___ Absorption field system (Chapter 62-610, F.A.C., Part V)
___ Overland flow system (Chapter 62-610, F.A.C., Part VI)
___ Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
___ Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

8. Application Areas and Rates See Revised Preliminary Design Report dated June 1994

Site/Use Type/Major User	Area (acres)	Rate (inches/week)	Capacity (mgd)
Total			

9. Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.

a. Areas Irrigated

_x_ Residential lawns
___ Golf courses
___ Cemeteries
_x_ Parks, playgrounds
_x_ Landscape areas
_x_ Highway medians, rights-of-way
___ Edible crops
___ Others

If other, specify. _____

b. Other Uses of Reclaimed Water (None)

___ Toilet flushing
___ Fire protection
___ Construction dust control
___ Aesthetic purposes (decorative ponds, fountains, etc.)
___ Others

If other, specify. _____

c. How many hours per day, seven days per week, is or will an operator be on-site at the wastewater treatment facility? 16 hours per day

If the treatment facility is or will be staffed by an operator less than 24 hrs/day, describe the additional levels of reliability included within the treatment or reuse systems. (See Rule 62-610.462, F.A.C.)

Reuse pumping system operation only when plant is staffed. Automatic switch to reject disposal upon low TSS or chlorine residual.

d. For permit renewals, list the dates on which the operating protocols (as described in Rule 62-610.463, F.A.C.) were submitted to the Department and the date of the Department's approvals during the last five years.

N/A

Date Submitted	Date Approved
/ /	/ /
/ /	/ /
/ /	/ /
/ /	/ /

e. For each site where edible crops are or will be irrigated with reclaimed water, describe the crops grown; the type of application system used; provisions for crop washing and for processing, if any; and provisions for control of public access, if any. (See Rule 62-610.475, F.A.C.)

N/A

Serial Number _____

SECTION 3. C. GROUND WATER DISPOSAL BY UNDERGROUND INJECTION

N/A

1. Underground Injection Well Facility Serial Number and Name

Underground Injection Well Facility Serial Number _____
Underground Injection Well Facility Name _____
Previous Underground Injection Well Facility Serial Number _____

2. Underground Injection Well Facility Location

County _____
City or Town (if applicable) _____
Street or Description _____
_____

Latitude _____ o _____ ' _____ "N
Longitude _____ o _____ ' _____ "W
Dates Coordinates Determined _____/_____/_____
Method Used to Obtain Coordinates _____

3. Underground Injection Well Facility DEP Identification Number or Permit Application Number _____

4. Discharge Operating Dates

Discharge Start Date _____/_____/_____
Discharge End Date _____/_____/_____

Reason for Discontinuing the Discharge _____
_____

5. Design Capacity of the Underground Injection Well Facility

Current Design Capacity _____ mgd
Proposed Incremental Design Capacity + _____ mgd
Proposed Total Design Capacity = _____ mgd

6. Basis of Design Flow

___ Annual Average Daily Flow
___ Maximum Monthly Average Daily Flow
___ Three-Month Average Daily Flow
___ Other

If other, specify. _____
_____

Serial Number D001, R001

SECTION 4. SCHEDULED IMPROVEMENTS AND SCHEDULES OF IMPLEMENTATION

1. Improvements Required

a. Discharge Serial Numbers, Reclaimed Water Reuse or Land Application System Serial Numbers, and Underground Injection Well Facility Serial Numbers Affected: D001, R001

b. Authority Imposing Requirement

___ Local
___ State
___ Federal
_x_ Developed by Applicant
___ Other

If other, specify. _____

c. Improvement Description:

3-character General Action Description: NEW

3-character Specific Action Descriptions: PRT / SEC / SLD / OUT

2. Implementation Schedule and Actual Completion Dates

Implementation Steps	Schedule	Actual Completion
a. Preliminary Plans Complete	/ /	6 / / 94
b. Final Plans and Specifications Complete	/ /	2 / / 95
c. Financing Complete	/ /	10 / / 95
d. Site Acquired	/ /	/ / 94
e. Begin Construction	/ /	11 / 6 / 95
f. End Construction	4 / 29 / 97	/ /
g. Begin Reuse or Disposal	4 / 29 / 97	/ /
h. Operational Level Attained	4 / 29 / 97	/ /

Serial Number _____

SECTION 5. INDUSTRIAL WASTEWATER CONTRIBUTIONS N/A

(No Industries in service area per County Ordinance)

1. Significant Industrial User

   Name _____
   Number and Street _____
   City/State/Zip Code _____
   County _____

2. Primary Standard Industrial Classification Code _____

3. Principal Product or Raw Material

	Description	Quantity per Day	Units (See Table 3)
Product			
Raw Material			

4. Flow

   Volume _____ Gallons Per Day

   Frequency ___ Intermittent ___ Continuous

5. Pretreatment Provided ___ Yes ___ No

6. Characteristics of Wastewater

Parameter Name	Value	Units

SECTION 6. ADDITIONAL INFORMATION REQUIRED FOR PERMIT RENEWALS

NOT APPLICABLE

1. Have there been any modifications to the treatment facilities or reuse or disposal system, since the issuance of the current permit? If yes, describe on a separate sheet and attach. ___ Yes ___ No

2. For limited wet weather discharges, have any modifications been made to the operation, frequency of discharge, or stream hydrology since the original limited wet weather discharge permit or the most recent permit. If yes, describe on a separate sheet and attach. ___ Yes ___ No ___ NA

3. Have there been any violations during the last six months? If yes, describe on a separate sheet and attach. ___ Yes ___ No

4. Have there been any treatment facility interferences due to the discharge of industrial wastewater to the treatment facility during the last six months? If yes, describe on a separate sheet and attach. ___ Yes ___ No

5. Is there any enforcement action pending against these treatment, reuse, or disposal facilities? If yes, describe on a separate sheet and attach. ___ Yes ___ No

6. Have all previous permit conditions, including pretreatment requirements, monitoring requirements, and operator attendance been complied with? If no, describe on a separate sheet and attach. ___ Yes ___ No

7. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., list the number of days during each of the last five years that the limited wet weather discharge was used. Also, list the total annual rainfall for each year.

Year	Number of Days Used	P (%)	Annual Rainfall (inches)
1.			
2.			
3.			
4.			
5.			
Total/Average			

8. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., provide the number of days during each of the last five years that the actual dilution ratio, as defined in Rule 62-610.860, F.A.C., was less than the minimum SDF and the number of months in which the monthly average $CBOD_5$ or TKN in the limited wet weather discharge exceeded the permit limitations.

Year	Number of Days the Dilution Ratio Was Less Than SDF	Number of Months the Limits Were Exceeded	
		$CBOD_5$	TKN
1.			
2.			
3.			
4.			
5.			

SECTION 7. ADDITIONAL INFORMATION REQUIRED FOR RESIDUALS/SEPTAGE MANAGEMENT FACILITIES

1. Location of Residuals Treatment Processes

(Describe in relation to the wastewater treatment processes.)

On wastewater treatment plant site. Sludge storage and lime stabilization facilities located adjacent to clarifiers. No residuals/septage from off-site.

2. Type and Amount of Waste Treated at this Facility No residuals received from off site facility.

Type	Amount (dry tons/day)	Amount (gallons/day)
Residuals	or	
Septage		
Food Establishment Sludge		
Portable Toilet Waste		
Holding Tank Waste		
Boat or Marina Waste		
Other (Describe.)	or	
Total	or	

Is the total amount estimated or actual?

___ Estimated
___ Actual

3. Information on Treatment Facilities Transporting Residuals

a. DEP Permit Number _____

b. Facility Name _____
Number and Street _____
City/State/Zip Code _____
County _____
Telephone ( ) _____

c. Facility Type

___ Type I
___ Type II
___ Type III

d. Amount of Residuals Received From This Facility

_____ dry tons/day or _____ gpd

Is this amount estimate or actual?

___ Estimated
___ Actual

e. Describe the treatment provided by this facility before transport.

_____
_____
_____
_____
_____
_____

f. Parameter Concentrations

Total Nitrogen	_____ % dry weight
Total Phosphorus	_____ % dry weight
Total Potassium	_____ % dry weight
Cadmium	_____ mg/kg dry weight
Copper	_____ mg/kg dry weight
Lead	_____ mg/kg dry weight
Nickel	_____ mg/kg dry weight
Zinc	_____ mg/kg dry weight
pH	_____ standard units
Total Solids	_____ %
Other Parameters (Describe.)	_____
	_____
	_____

Date of Sample _____/_____/_____

4. Describe the manifest system used for tracking residuals during transport from the facilities.

_____
_____
_____
_____
_____
_____
_____
_____
_____

SECTION 8. DOCUMENTATION SUBMITTED

1. General Application Requirements	Attached	
	Yes	No
a. Process Flow Diagram	X	
b. Site Plan	X	
c. Location Map	X	
d. Agricultural Use Plan or Dedicated Site Plan		X
e. Capacity Analysis Report		X
f. Results of Whole Effluent Biological Toxicity Testing		X
g. Reuse Feasibility Study		X
h. Binding Agreements and Documentation of Controls on Individual Users of Reclaimed Water		X

2. Additional Application Requirements for New Facilities and Modifications to Existing Facilities	Yes	No
a. Preliminary Design Report	x	
b. Documentation of Compliance with Antidegradation Requirements		X
c. Public Service Commission Certification Number and Copy of Certificate or Order Number and Copy of Order		x
d. Letter from the Management and Storage of Surface Waters Permitting Agency		X
e. Request for Approval of Monitoring Plans for Discharge of Domestic Wastewater to Wetlands		x
f. Concurrent Application for Ground Water Disposal by Underground Injection		x
g. Application for Monitoring Plan Approval		x

3. Additional Application Requirements for Permit Renewals N/A	Yes	No
a. Operation and Maintenance Performance Report		
b. Reclaimed Water of Effluent Analysis Report		
c. Technical Evaluation of Need to Revise Local Pretreatment Limits		
d. Results of Mechanical Integrity Testing		

SECTION 9. CERTIFICATIONS

1. Certifications for Construction of New Facilities or Modifications to Existing Facilities

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct, and complete to the best of my knowledge and belief. I agree to retain the design engineer, or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a notification of completion of construction, and to review record drawings for adequacy as referenced in Rule 62-620.630, F.A.C. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-620.630, F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare or revise, if necessary) the manual. For projects regulated by Chapter 62-610, F.A.C., I agree to provide the additional operation requirements of that Chapter.

(Signature of Applicant or Authorized Representative[1]) (Date)

Name (please type) William Blazak
Title Utilities Director
Phone 561-462-1150
Company Name St. Lucie County
Company Address 2300 Virginia Avenue
City/State/Zip Code Fort Pierce, FL 34982

b. Professional Engineer Registered in Florida

I certify that the engineering features of this domestic wastewater project have been (designed) (~~examined~~) by me and found to conform to engineering principles applicable to such projects. In my professional judgement, this facility, when properly constructed, operated, and maintained, will comply with all applicable statutes of the State of Florida and rules of the Department.

Name (please type) David F. Holtz, P.E.
Florida Registration Number 42595
Company Name Camp Dresser & McKee Inc.
Company Address 1601 Belvedere Road, Ste. 211, So.
City/State/Zip Code W. Palm Beach, FL 33406
Phone Number (561) 689-3336

(Seal, Signature, Date, and Registration Number)

c. Professional Engineer Registered in Florida

I certify that this firm or individual has been retained by the applicant to prepare a notification of completion of construction, to prepare operation and maintenance manuals, and to review record drawings for adequacy as referenced in Rules 62-620.630, 62-600.717, and 62-600.720, F.A.C.

Name (please type) David F. Holtz, P.E.
Florida Registration Number 42595
Company Name Camp Dresser & McKee Inc.
Company Address 1601 Belvedere Road, Ste. 211, So.
City/State/Zip Code W. Palm Beach, FL 33406
Phone Number (561) 689-3336

(Seal, Signature, Date, and Registation Number)

2. Certifications for Permit Renewals N/A

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct and complete to the best of my knowledge and belief. I agree to operate and maintain these wastewater facilities in such a manner as to comply with the provisions of Chapter 403, F.S., Chapter 62-600, F.A.C., and all other applicable rules of the Department. Further, an appropriate operation and maintenance manual which has been examined by a professional engineer as certified below is available and located at _____ and can be submitted upon request as part of the permit procedure. A copy of the record drawings or other plans (as applicable) showing modifications to existing facilities, as referenced in Rule 62-600.717, F.A.C., is available at the same location. I also understand that a permit if granted by the Department, is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C., and I will notify the Department in accordance with this rule upon sale or legal transfer of the permitted facilities. In the event of abandonment or inactivation of the facilities, I will notify the Department and ensure that public health and safety are protected as required by Rule 62-620.610, F.A.C.

_____ _____

(Signature of Applicant or Authorized Representative[1]) (Date)

Name (please type)_____ Company Name_____

Title_____ Company Address_____

Phone_____ City/State/Zip Code_____

b. Professional Engineer

I certify that the engineering features of these domestic wastewater facilities have been examined by me and found to conform to engineering principles applicable to such projects. I certify that the operation and maintenance manual for these wastewater facilities has been prepared or examined by me or by individual(s) under my direct supervision and that there is reasonable assurance, in my professional judgement, that the facilities, when properly operated and maintained in accordance with this manual, will comply with all applicable statutes of the State of Florida and rules of the Department.

Name (please type) _____

Florida Registration Number _____

Company Name _____

Company Address _____

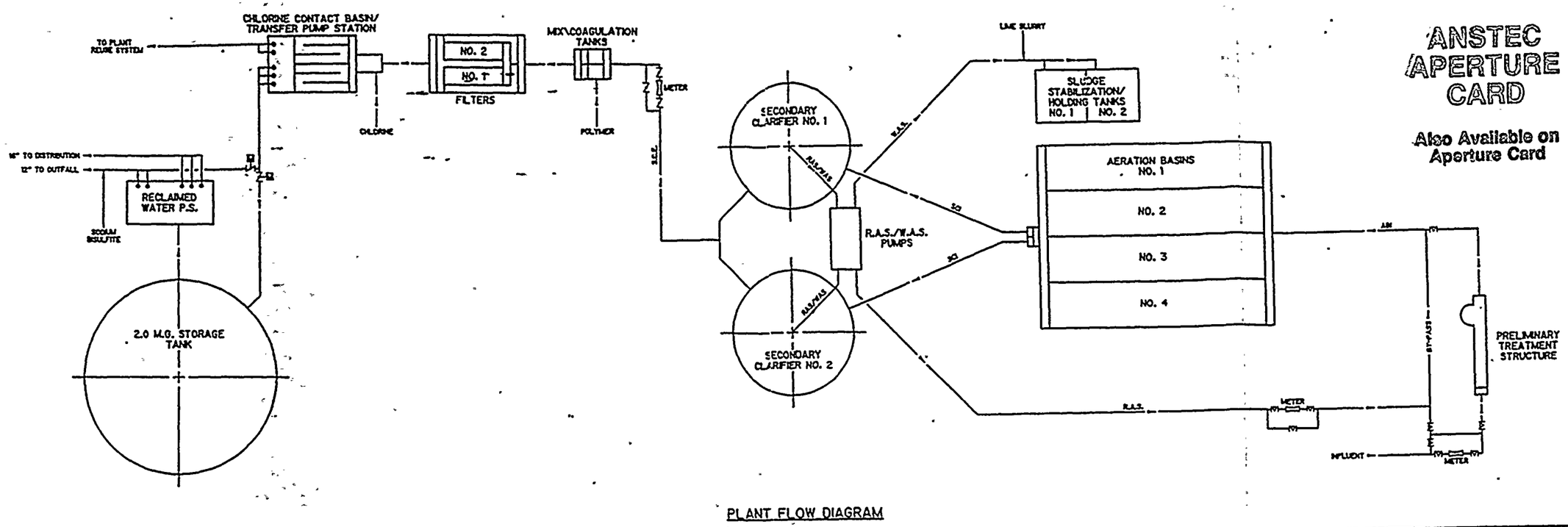
City/State/Zip Code _____

Phone Number (_____)_____ _____

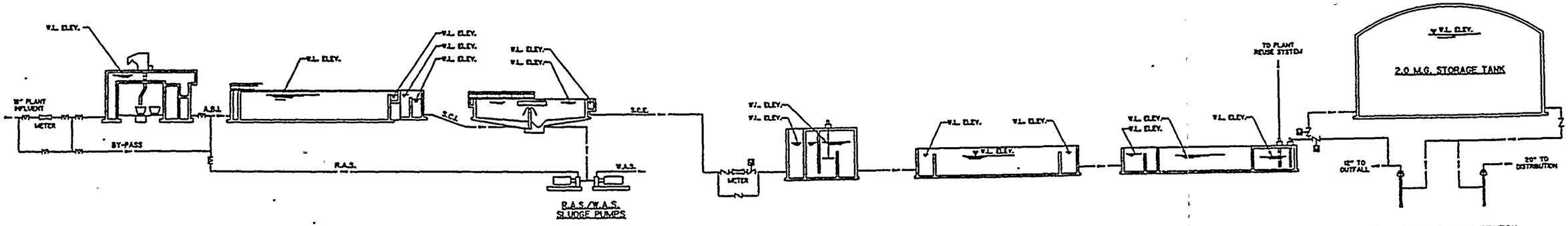
(Seal, Signature, Date, and Registration Number)

[1]If signed by the authorized representative, attach a letter of authorization.

PROCESS FLOW DIAGRAM



PLANT FLOW DIAGRAM



PRELIMINARY TREATMENT STRUCTURE | AERATION BASIN | SECONDARY CLARIFIER DISTRIBUTION | SECONDARY CLARIFIER | EFFLUENT TRANSFER PUMP | MIX\COAGULATION TANK | FILTERS (TRAVELING BRIDGE) | CHLORINE CONTACT BASIN/ RECLAIMED PUMP STATION | RECLAIMED WATER PUMP STATION

		PRELIMINARY TREATMENT STRUCTURE				AERATION BASIN		SECONDARY CLAR. DISTRIBUTION	SECONDARY CLARIFIER		MIX/COAGULATION TANK			FILTERS (TRAVELING BRIDGE)			CHLORINE CONTACT BASIN/TRANSFER P.S.			2.0 M.G. STORAGE TANK	
	MGD	SCREEN IN	SCREEN OUT	GRIT UNIT	EFFLUENT	SURFACE	EFFLUENT	INFLUENT	SURFACE	EFFLUENT	INFLUENT	SURFACE	EFFLUENT	INFLUENT	FILTRATE	EFFLUENT	INFLUENT	CONTACT SURFACE	P.S. SURFACE	HWL	LWL
MINIMUM DAILY FLOW	4.64	16.39	15.71	14.97	13.73	13.56	12.42	10.83	8.56	6.33	6.32	6.32	5.86	5.70	5.24	2.63	1.26	1.10	0.00	30.00	1.00
AVERAGE DAILY FLOW	1.3	16.52	15.81	15.05	13.81	13.80	12.50	10.88	9.67	6.47	6.42	6.42	5.92	5.71	5.25	2.66	1.27	1.13	0.00	30.00	1.00
PEAK DAILY FLOW	2.6	16.53	15.93	15.15	14.02	13.62	12.60	8.00	8.36	6.64	6.45	6.45	6.01	5.72	5.26	2.72	1.28	1.12	0.00	30.00	1.00
PEAK HOURLY FLOW	8.0	16.67	16.12	15.32	14.82	13.64	12.69	8.02	9.59	7.17	6.90	6.50	6.34	5.76	5.35	2.85	1.30	1.15	0.00	30.00	1.00
EXTREME MAXIMUM *	8.9	16.67	16.12	15.32	14.82	13.66	13.49	8.03	9.60	7.39	7.24	6.60	6.38	5.80	5.39	2.89	1.30	1.15	0.00	30.00	1.00

* EXTREME MAXIMUM IS WITH ONE UNIT OUT OF SERVICE

HYDRAULIC PROFILE
N.T.S.

WEIR LOCATION	ELEV.
GRIT CHAMBER EFFLUENT	29.50
AERATION BASIN EFFLUENT	18.50
SECONDARY DISTRIBUTION STRUCTURE	16.25
SECONDARY CLARIFIER EFFLUENT	15.50
FLASH MIXER EFFLUENT	10.25
FILTER INFLUENT	10.25
FILTER EFFLUENT	8.25
CHLORINE CONTACT BASIN INFLUENT	7.00
CHLORINE CONTACT BASIN EFFLUENT	6.25

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: V. SPOONER
DRAWN BY: A. MAES
SHEET CHK'D BY: V. SPOONER
CROSS CHK'D BY:
APPROVED BY:
DATE:

CAMP DRESSER & McKEE INC.
CDM

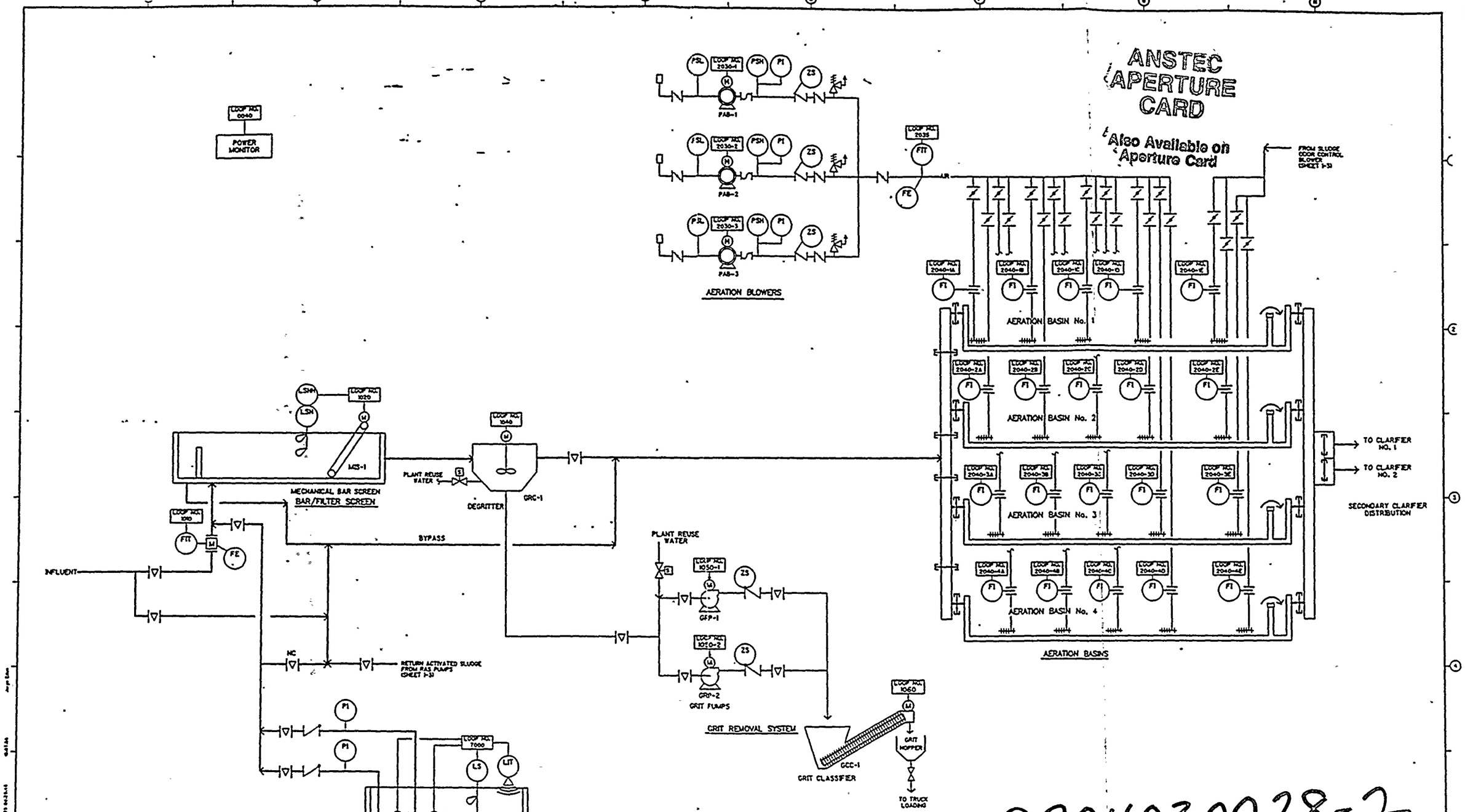
ST. LUCIE COUNTY, FLORIDA

WASTEWATER SYSTEM IMPROVEMENTS

PLANT FLOW DIAGRAM AND HYDRAULIC PROFILE

PROJECT NO. 6277-10-DNP

SHEET NO. FIGURE 5-3



9704030028-2

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. FLAIG
DRAWN BY: J. FLAIG
SHEET CHK'D BY: D. ROSE
CROSS CHK'D BY: D. ROSE
APPROVED BY:
DATE: MARCH 1995

CAMP DRESSER & McKEE INC.
CDM

ST. LUCIE COUNTY
FLORIDA

SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY

PROCESS & INSTRUMENTATION DIAGRAMS

PROJECT NO. 6277-10-CHP
SHEET NO. 1-2

REUSE FLUSHING WATER

FROM AERATION BASINS

SECONDARY CLARIFIERS

SCUM EJECTOR AIR COMPRESSORS

AIR SUPPLY DISTRIBUTION

FUEL STORAGE TANK

MIX/COAGULATION TANKS
ALTERNATE BID NO. 2

POLYMER

STREAMING CURRENT

FILTERS

CHLORINE

BACKWASH WASTE DRAIN

CHLORINE CONTACT BASIN/TRANSFER PUMP STATION

CHLORINE CONTACT BASIN NO. 1

CHLORINE CONTACT BASIN NO. 2

TRANSFER PUMP STATION (SHEET 1-4)

TO AERATION BASIN INFLUENT (SHEET 1-2)

RETURN ACTIVATED SLUDGE PUMPS

WASTE ACTIVATED SLUDGE PUMPS

LIME SLURRY

SLUDGE HOLDING TANKS

PLANT REUSE FLUSHING

SLUDGE ODOR CONTROL BLOWERS

SLUDGE LOADING PUMPS

SLUDGE TANKER TRUCK

9704030028-3

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. ELIAS
DRAWN BY: J. ELIAS
SHEET CHK'D BY: D. ESP
CHKED CHK'D BY: D. ESP
APPROVED BY:
DATE: MARCH 1995

CAMP DRESSER & McKEE INC.
CDM

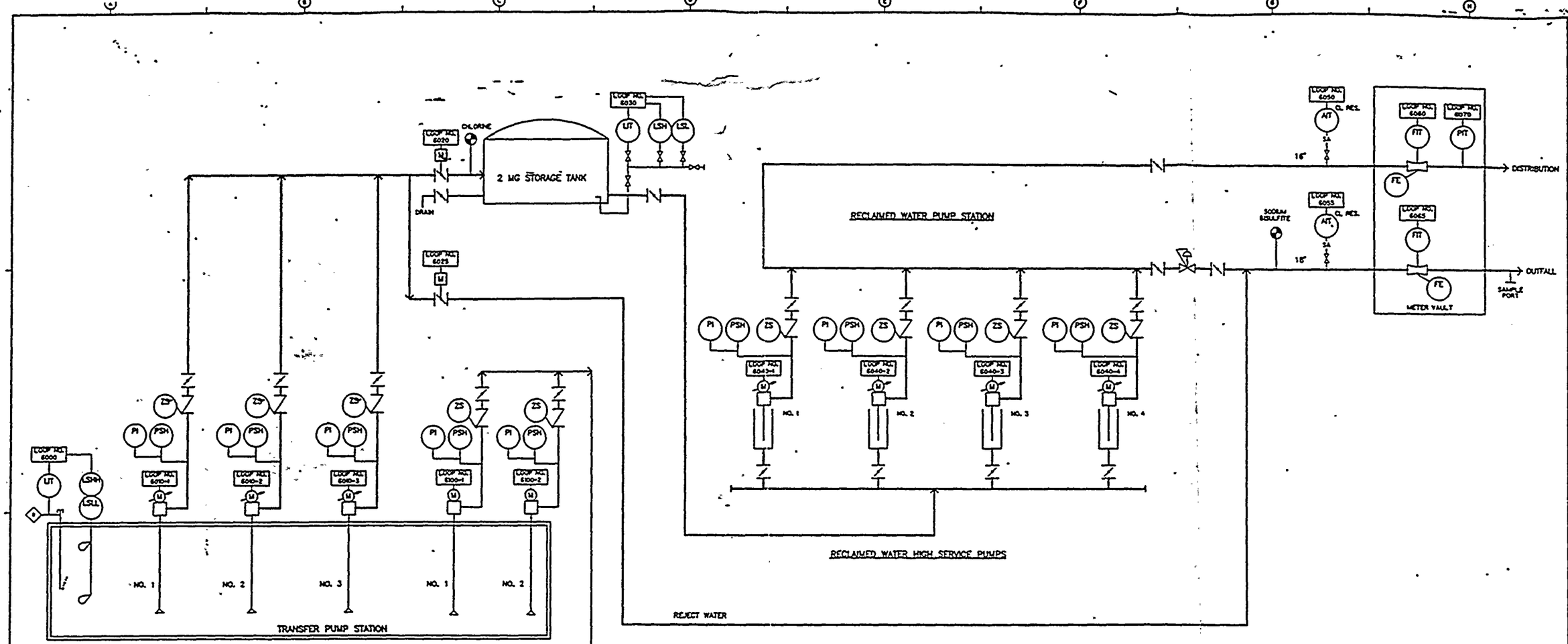
ST. LUCIE COUNTY
FLORIDA

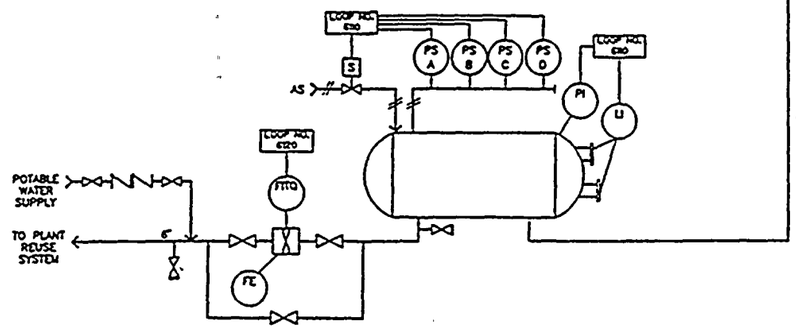
SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY

PROCESS & INSTRUMENTATION DIAGRAMS

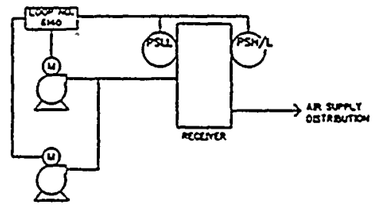
PROJECT NO. 6277-10-01-P

SHEET NO. 1-3





HYDROPNEUMATIC TANK



HYDROPNEUMATIC TANK AIR COMPRESSORS

9704030028-4

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. ELIAS
DRAWN BY: J. ELIAS
SHEET CHK'D BY: D. ROSE
CROSS CHK'D BY: D. ROSE
APPROVED BY:
DATE: MARCH 1995

CAMP DRESSER & McKEE INC.

CDM

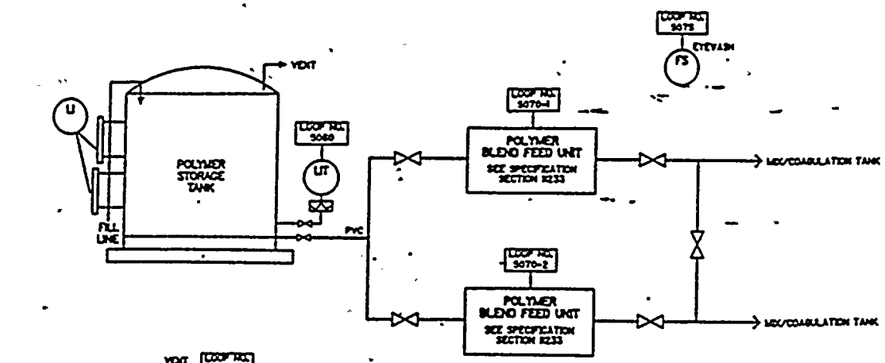
ST. LUCIE COUNTY
FLORIDA

SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY

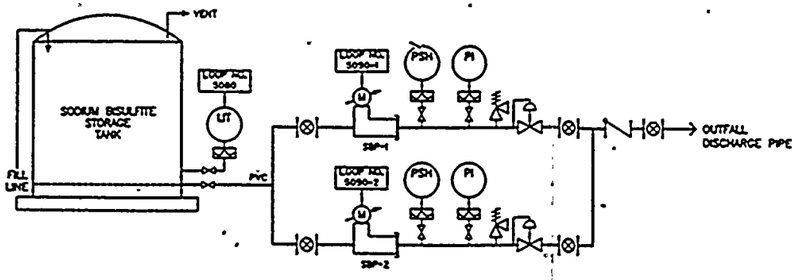
PROCESS & INSTRUMENTATION DIAGRAMS

PROJECT NO. 6277-10-DHP

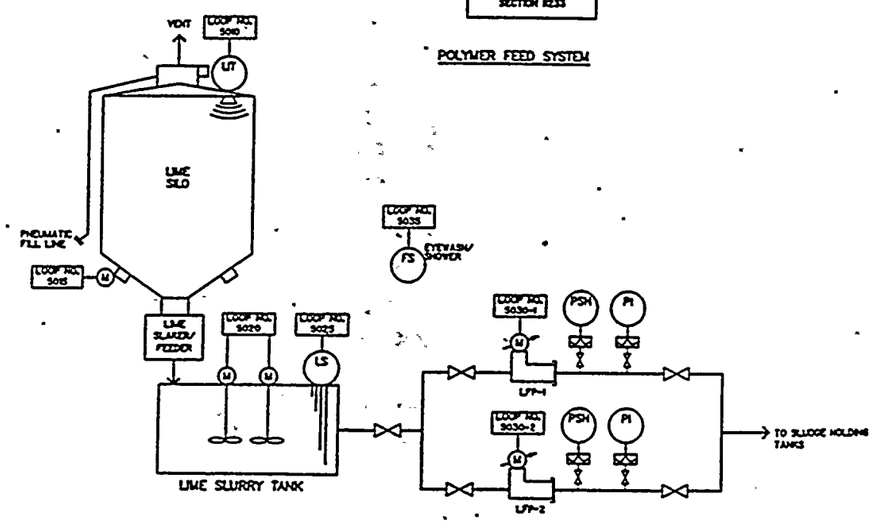
SHEET NO. I-4



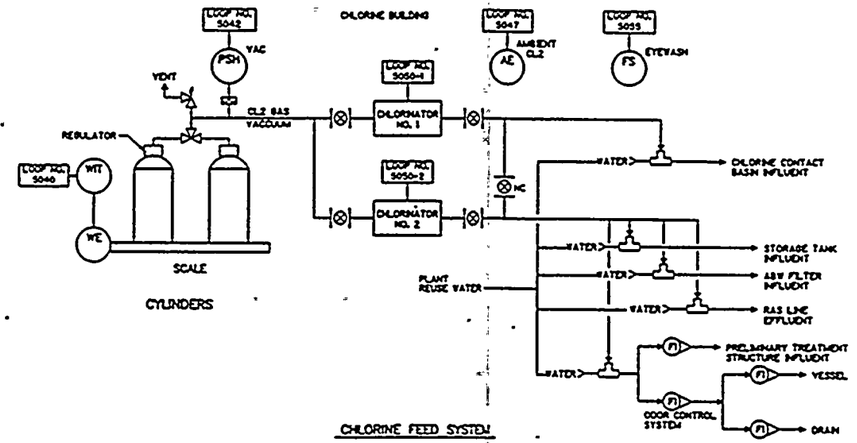
POLYMER FEED SYSTEM



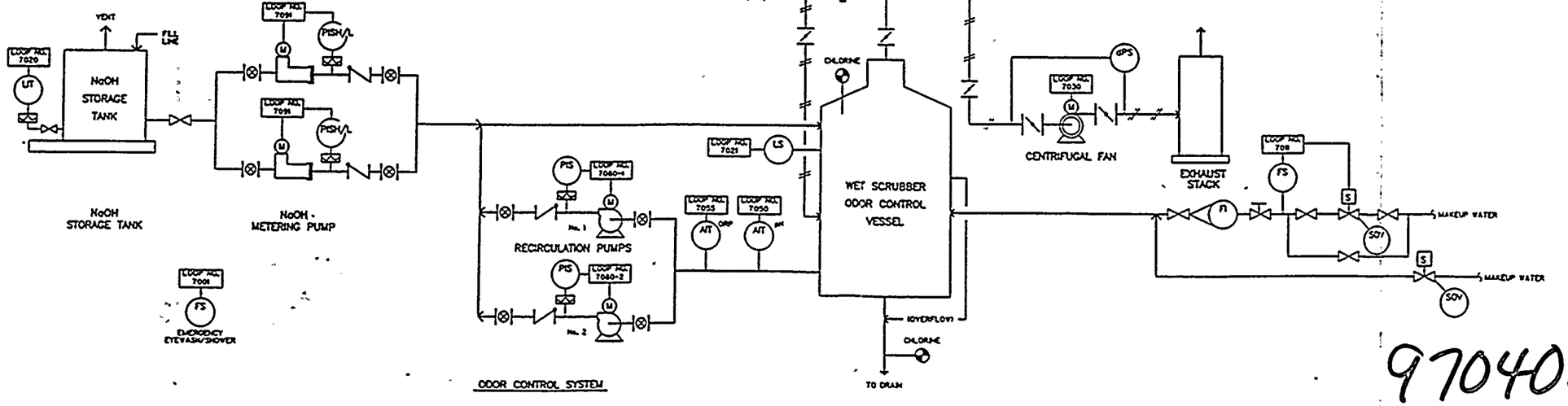
SODIUM BISULFITE FEED SYSTEM



LIME FEED SYSTEM



CHLORINE FEED SYSTEM



ODOR CONTROL SYSTEM

9704030028-5

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. FLYNN
DRAWN BY: J. FLYNN
SHEET CHK'D BY: D. RICE
CROSS CHK'D BY: D. RICE
APPROVED BY:
DATE: MARCH 1996

CAMP DRESSER & McKEE INC.

CDM

ST. LUCIE COUNTY
FLORIDA

SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY

PROCESS & INSTRUMENTATION DIAGRAMS

PROJECT NO. 6277-10-CHP

SHEET NO. I-5

SITE PLAN

LEGEND:

- CABBAGE PALM
- OAK TREE
- BANYAN TREE
- GUMBO-LIMBO TREE
- PARADISE TREE
- C.M. CONCRETE MONUMENT
- I.P. IRON PIPE
- I.R. IRON ROD
- R/W RIGHT-OF-WAY
- N & D NAIL AND DISK
- FND. FOUND
- D DEED
- C CALCULATED
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- O.R.B. OFFICIAL RECORD BOOK
- PG. PAGE
- S.R. STATE ROAD
- FDNR FLORIDA DEPARTMENT OF NATURAL RESOURCES
- NGVD NATIONAL GEODETIC VERTICAL DATUM
- SEC. SECTION
- TWP. TOWNSHIP
- RGE. RANGE
- WOOD POWER POLE
- OVERHEAD UTILITIES
- EXISTING ELEVATION
- CONTOUR LINE
- CATCH BASIN
- LIGHTING POLE

ST. LUCIE COUNTY ACCESS ROAD

194.25' ID/CI

N89°59'04.6"E

.63.28

194.25' ID/CI

S47°27'33.3"W 65.39

S41°59'45.3"W

55.97

S47°27'18.7"W 68.37

S41°59'45.3"W 59.23

S47°27'18.7"W 68.37

S41°59'45.3"W 58.81

S47°27'18.7"W 67.39

S41°59'45.3"W 66.27

S47°27'18.7"W 69.36

S41°59'45.3"W 430.65

S47°27'18.7"W 70.10

S41°59'45.3"W

SURVEY WITNESS LINE

CONSERVATION AREA (INSTITUTIONAL)

MEAN HIGH WATER LINE ELEVATION 0.76' NGVD 1929 MEAN HIGH WATER FILE #1096

INDIAN RIVER

SOUTH LINE - SEC. 27, TWP. 36 SOUTH, RGE. 41 EAST

7489.27' ID/CI

7295.02' ID/CI

7100.76' ID/CI

6712.25' ID/CI

6323.74' ID/CI

CONCRETE DRIVE

P.O.C.

N89°59'04.6"E 180.54 ID/CI

S27°27'36.2"W 64.39 ID/CI

N89°59'04.6"E 72.27 ID/CI

STORAGE TANK

EFFLUENT PUMP STATION

HYDRO TANK

CHLORINE CONTACT BASIN

LIMITS OF THIS SURVEY

LIMITS OF JURISDICTIONAL WETLANDS AS PROVIDED BY OTHERS

FILTERS

CHLORINE BLDG.

POLYMER STORAGE & FEED

BID ALTERNATE NO. 2

FLASH MIXER

LIFT STA.

ADMINISTRATION BLDG.

SLUDGE HOLDING TANK

BLOWER BLDG

FUEL STORAGE

CLARIFIER NO.1

AERATION BASIN

PRE-TREATMENT

DOOR CONTROL

RAS/WAS PUMPS

CLARIFIER NO. 2

528.41

S89°59'04.6"W

23.0' ASPHALT

100.00' R/W

EASTERLY R/W LINE

SITE BENCHMARK NAIL & DISK #2791 (SET) ELEVATION = 9.34'

LIMITS OF JURISDICTIONAL WETLANDS AS PROVIDED BY OTHERS

STATE ROAD A-1-A

100.00' R/W

WESTERLY R/W LINE

FDNR 3477 ASCE N (Y) = 1085,373.867 E (X) = 750,953.341

N

1"=40'

ANSTEC APERTURE CARD

Also Available on Aperture Card

9704030028-6

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: W. SPRINGS
DRAWN BY: J. MILLER
SHEET CHKD BY: W. SPRINGS
CROSS CHKD BY: E. GROTKE
APPROVED BY: D. WOLFE
DATE: SEPT. 1994

CAMP DRESSER & McKEE INC.

CDM

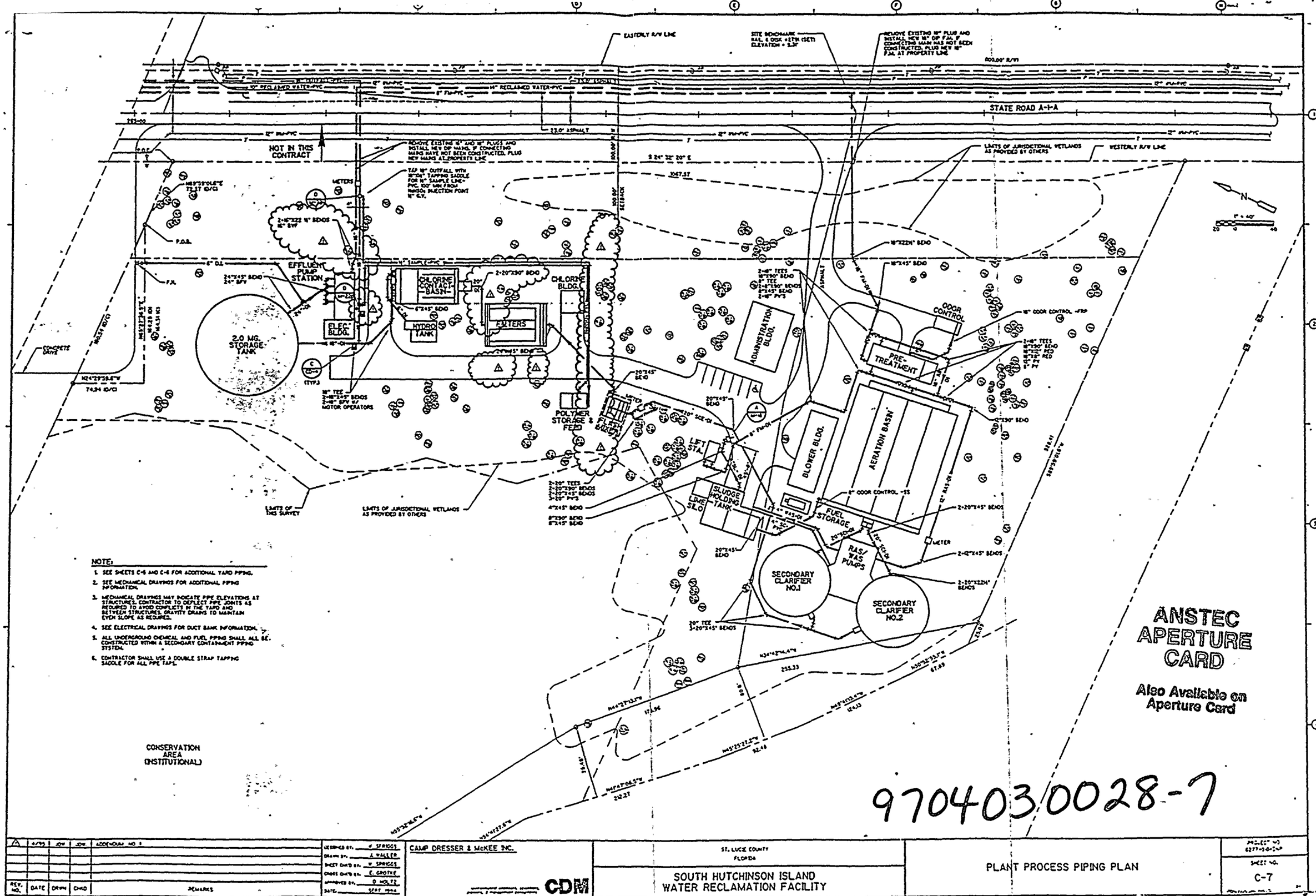
ST. LUCIE COUNTY
FLORIDA

SOUTH HUTCHINSON ISLAND
WATER RELAMATION FACILITY

SITE SURVEY PLAN

PROJECT NO. 6277-010-GMP

SHEET NO. C-2



NOTE:

1. SEE SHEETS C-5 AND C-6 FOR ADDITIONAL YARD PIPING.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL PIPING INFORMATION.
3. MECHANICAL DRAWINGS MAY INDICATE PIPE ELEVATIONS AT STRUCTURES. CONTRACTOR TO DEFLECT PIPE JOINTS AS REQUIRED TO AVOID CONFLICTS IN THE YARD AND BETWEEN STRUCTURES. GRAVITY DRAINS TO MAINTAIN EVEN SLOPE AS REQUIRED.
4. SEE ELECTRICAL DRAWINGS FOR DUCT BANK INFORMATION.
5. ALL UNDERGROUND CHEMICAL AND FUEL PIPING SHALL ALL BE CONSTRUCTED WITHIN A SECONDARY CONTAINMENT PIPING SYSTEM.
6. CONTRACTOR SHALL USE A DOUBLE STRAP TAPPING SADDLE FOR ALL PIPE TAPS.

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/95	JOW	JOW	ADDENDUM NO. 1

DESIGNED BY: J. SPROGIS
DRAWN BY: J. WALLER
SHEET CHK'D BY: W. SPROGIS
CHGES CHK'D BY: E. GROTKE
APPROVED BY: D. HOLT
DATE: SEPT 1994

CAMP DRESSER & McKEE INC.

CDM

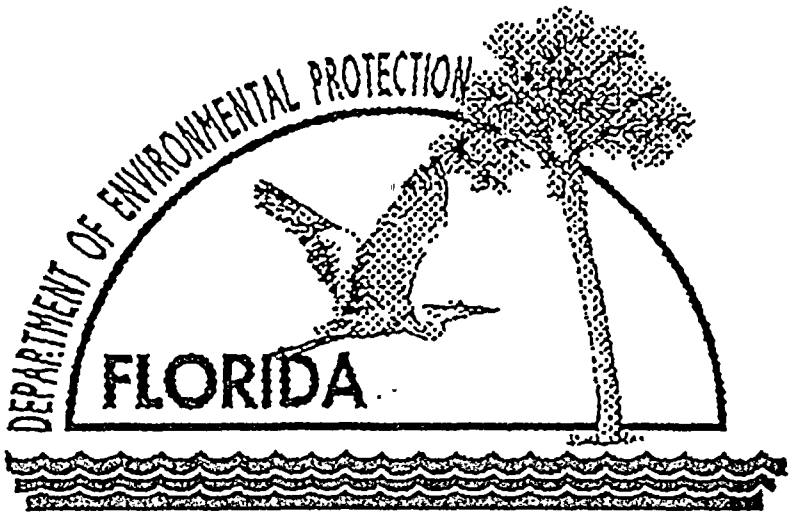
ST. LUCIE COUNTY
FLORIDA

SOUTH HUTCHINSON ISLAND
WATER RECLAMATION FACILITY

PLANT PROCESS PIPING PLAN

PROJECT NO. 6277-010-DNP

SHEET NO. C-7

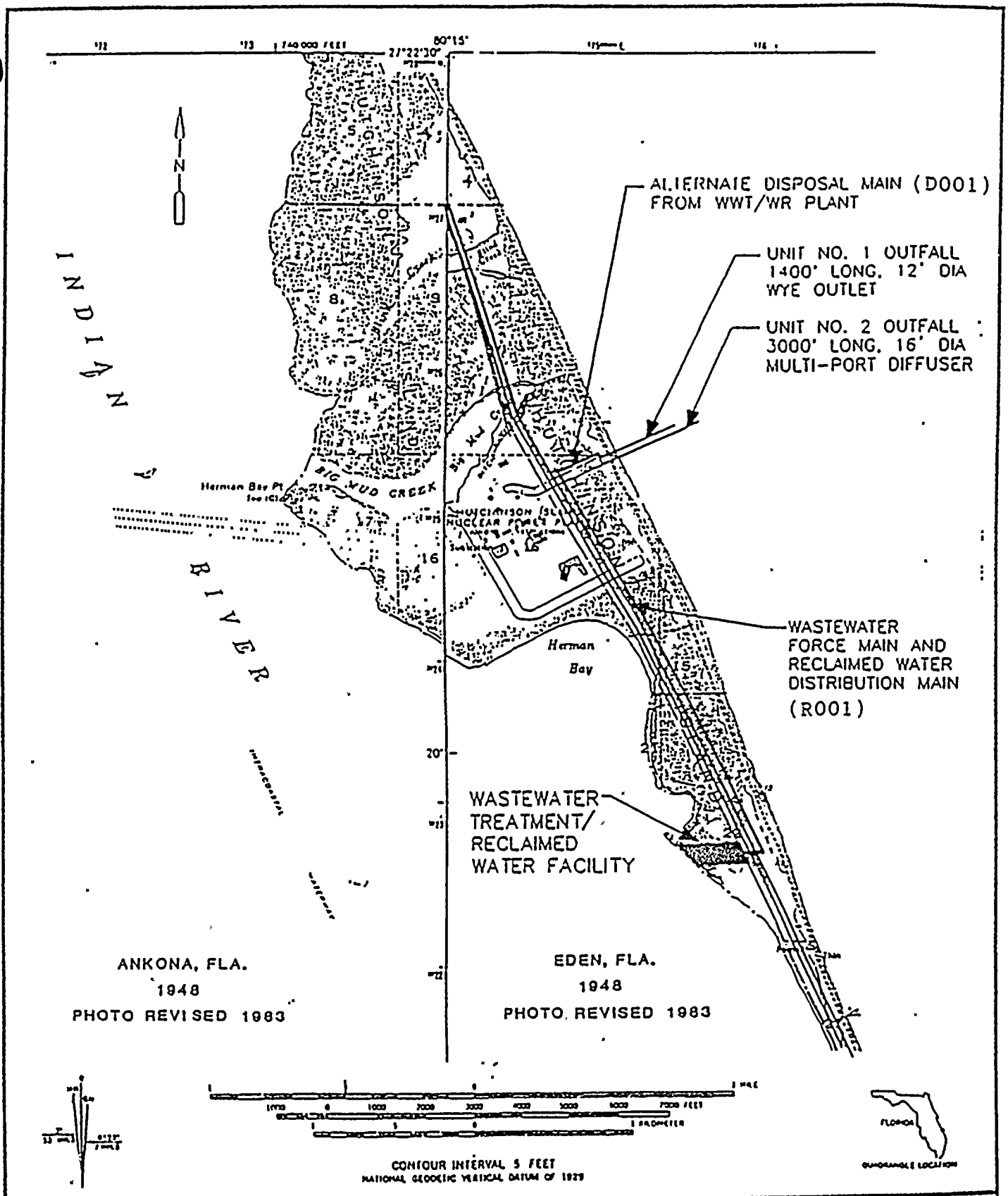


WASTEWATER APPLICATION FORM 2F

PERMIT TO DISCHARGE STORMWATER TO SURFACE WATERS FROM INDUSTRIAL OR DOMESTIC WASTEWATER FACILITIES WHICH DISCHARGE TO SURFACE WATER

LOCATION MAP

LOCATION MAP



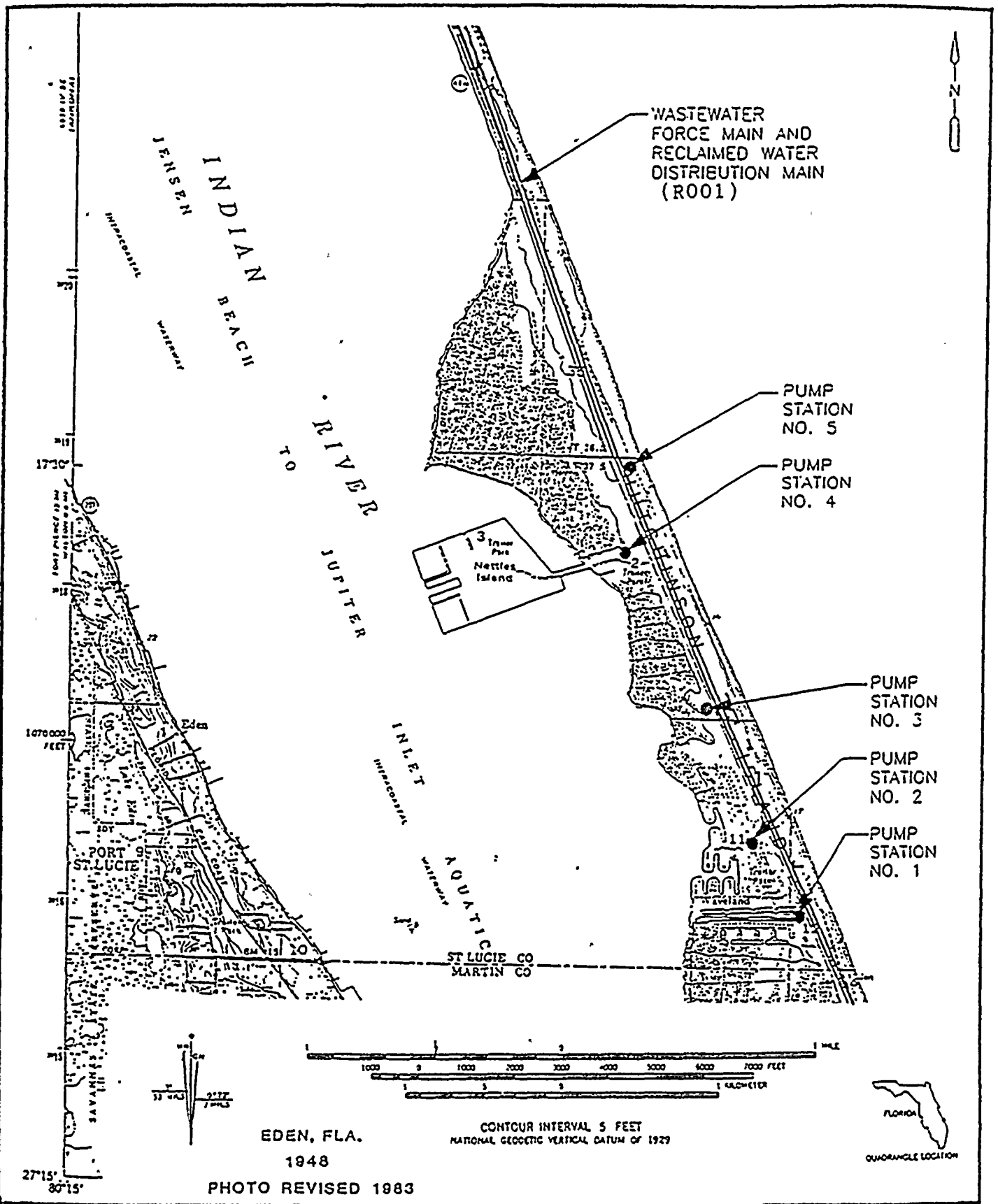
6277-010-PA\G0000004 AUH 8/21/92

SOUTH HUTCHINSON ISLAND
SCHEMATIC
WASTEWATER COLLECTION AND RECLAIMED WATER DISTRIBUTION SYSTEMS

CDM
environmental engineers, scientists, planners, & management consultants

FIGURE 4-1

LOCATION MAP



6277-010-PA\G0000003 NLY

SOUTH HUTCHINSON ISLAND

SCHEMATIC

CDM

environmental engineers, scientists, planners, & management consultants

WASTEWATER COLLECTION AND RECLAIMED WATER DISTRIBUTION SYSTEMS

FIGURE 4-1A

INSTRUCTIONS FOR FORM 2F

Must File Form 2F

DEP Form 62-620.910(8) (Form 2F) must be completed by owners or operators of facilities that discharge stormwater to surface water from a domestic wastewater or industrial facility or activity which discharges to surface water that is permitted by the Department under Section 403.0885, F.S.

In addition to Form 2F,

a. owners or operators of discharges of stormwater at a facility which discharges process wastewater to surface water must complete and submit DEP Forms 62-620.910(1) and (5) (Forms 1 and 2CS). (See Rule 62-620.200, F.A.C., for a definition of process wastewater.)

b. owners or operators of discharges of stormwater at a facility which discharges non-process wastewater to surface water must complete and submit DEP Forms 62-620.910(1) and (4) (Forms 1 and 2ES). (See Rule 62-620.200, F.A.C., for a definition of non-process wastewater.)

c. owners or operators of discharges of stormwater from a domestic wastewater facility which discharges to surface water must complete and submit DEP Forms 62-620.910(1) and (2) (Forms 1 and 2A). (See Rule 62-620.200, F.A.C., for a definition of domestic wastewater facility.)

Where to File Applications

The application forms should be sent to the appropriate Department office listed in Form 1.

Completeness

Your application will not be considered complete unless you answer every question on this form and the other forms listed above. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

Public Availability of Submitted Information

You may not claim as confidential any information required by this form or the other required forms, whether the information is reported on the forms or in an attachment. Chapter 119, F.S., requires that all permit applications be made available to the public upon request. Any information, except effluent data, you submit to the Department which goes beyond that required by the forms listed above may be claimed as confidential if the requirements of 40 CFR 2 are met. If you do not assert a claim of confidentiality at the time of submitting the information, the Department may make the information public without further notice to you.

Definitions

"Stormwater discharge" means the flow of water which occurs following a rainfall event from domestic wastewater facilities and industrial facilities, including plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process wastewater; sites used for the storage and maintenance of materials handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas, including tank farms, for raw materials, intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain to be exposed to stormwater.

"Material handling activities" means the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from

the industrial activities as long as the drainage from the excluded areas is not mixed with stormwater drained from the described areas.

"Significant materials" means raw materials, fuels, solvents, detergents, plastic pellets, finished materials, metallic products; materials used in food processing or production, hazardous substances designated under section 101(14) of CERCLA, any chemical the facility is required to report pursuant to section 313 of title III of SARA, fertilizers, pesticides, waste products, ashes, slag and sludge that have the potential to be released with stormwater discharges.

Additional significant terms used in these instructions and in the form are defined in the glossary found in Form 1 or in Chapter 62-25, 62-600, 62-620, or 62-660, F.A.C.

ID Number

Fill in your identification number at the top of each odd-numbered page of Form 2F. You may copy this number directly from Form 1. If you are applying for the initial permit for your facility or activity and do not have an identification number, leave this item blank and the Department will assign a number.

Item I

Determine the latitude and longitude of each of your outfalls and the name of the receiving water. If your stormwater is combined with domestic, process or non-process industrial wastewater, indicate which of the outfalls identified on Form 2A, 2CS or 2ES will contain the combined wastewater.

Item II-A

If you check "yes" to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to the Department containing the same information.

Item II-B

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

Item III

Attach a site map showing topography depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each storm water outfall;

paved areas and building within the drainage area of each stormwater outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in stormwater runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive stormwater discharges from the facility.

[redacted]V-A

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where stormwater runs off at rates that are significantly higher than background rates (for example, pre-development levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area, including all impervious and pervious areas, drained by each outfall. The site map required under Item III can be used to estimate the total area drained by each outfall.

Item IV-B

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to stormwater; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with stormwater runoff; materials loading and access areas and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under CERCLA; any chemical the facility is required to report under Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

Item IV-C

For each outfall, structural controls include structures which enclose material handling or storage areas covering materials, berms, [redacted]kes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Non-structural controls [redacted]ude practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measure that are used to prevent or minimize the potential for releases of pollutants.

tem V

Provide a certification that all outfalls that should contain stormwater discharges associated with industrial activity have been tested or evaluated for the presence of non-stormwater discharges which are not covered by an wastewater permit under Rule 62-620, F.A.C. Tests for such non-stormwater discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the on-site drainage points that were directly observed during a test. All non-stormwater discharges must be identified in a Form 2CS or 2ES application which must accompany this application.

Item VI

Provide a description of existing information regarding the history of significant leaks or spill of toxic or hazardous pollutants at the facility in the last three years.

.:em VII-A, B, and C

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

General Instructions for Item VII-A, B, and C

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C requires you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and by-products, and any previous analyses known to you of your effluent or similar effluent.

A. Sampling: The collection of the samples for the reported analyses shall be in accordance with 40 CFR 136 and Rule 62-160, F.A.C. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes, or as soon thereafter as practicable, of the discharge must be used. For all other pollutants both a grab sample collected during the first 30 minutes, or as soon thereafter as practicable, of the discharge and a flow-weighted composite sample must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm even. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area.

A grab sample shall be taken during the first 30 minutes, or as soon thereafter as practicable, and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

Grab sample: An individual sample of at least 100 milliliters collected during the first 30 minutes, or as soon thereafter as practicable, of the discharge. This sample is to be analyzed separately from the composite sample.

Flow-Weighted Composite sample: A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of 15 minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

Data from samples taken in the past may be used, provided that all data requirements are met; sampling was done no more than three years before submission; and all data are representative of the present discharge.

ong the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw terials, processes, or final products, and changes in stormwater treatment. The Department may request additional information, including current quantitative data, if it is necessary to assess your discharges. The Department may allow or establish appropriate site-specific sampling procedures or requirements, including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the protocols for collecting samples under 40 CFR 136 or Rule 62-160, F.A.C., and additional time for submitting data on a case-by-case basis.

Concentration
ppb parts per billion
ppm parts per million
mg/l milligrams per liter
ug/l micrograms per liter
kg kilograms

Mass
lbs pounds
ton tons (English tons)
mg milligrams
g grams
t tonnes (metric tons)

B. Reporting: All levels must be reported as concentration and mass. Grab samples are reported in terms of concentration. You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if separate sheets contain all the required information in a format which is consistent with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the abbreviations listed below in the columns headed "Units."

All reporting of values for metals must be in terms of "total recoverable metal," unless

(1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or

(2) All approved analytical methods for the metal inherently measure only its dissolved form; or

(3) The Department has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provision of the CWA. If you measure only one grab sample and one flow-weighted composite sample for a given outfall, complete only the "Maximum Values" columns and insert "1" into "Number of Storm Events Sampled" column. The Department may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Average Values" columns, and the total number of storm events samples under the "Number of Storm Events Sampled" columns.

C. Analysis: You must use test methods promulgated in 40 CFR 136 or Rule 62-160, F.A.C.; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the Department, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

Part VII-A

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first 30 minutes, or as soon thereafter as practicable, of the discharge and flow-weighted

composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General instructions to Item VII for definitions of grab sample collected during the first 30 minutes of discharge flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are availa

Part VII-B

List all pollutants that are limited in an effluent guideline which the facility is subject to or any pollutant listed in the wastewater permit for the facility. Complete one table for each outfall. The "Average Values" column is not compulsory but should be filled out if data are available. Analyze a grab sample for all pollutants in this Part, and report the results, except as provided in the General Instructions.

Part VII-C

Part VII-C must be completed by all applicants for all outfalls which discharge stormwater associated with industrial activity, or that the Department is evaluating for designation as a significant contributor of pollutants to waters, or a contributing to a violation of water quality standards. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The "Average Values" column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

Table 2F-2: For each outfall, list all pollutants, except pollutants previously listed in Part VII-B, in Table 2F-2 that you know or have reason to believe are discharged. If a pollutant is limited in an effluent guideline limitation for the facility, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator, you must analyze for it and report the data in Part VII-B. For example, TSS is used as an indicator to control the discharge of iron and aluminum. For other pollutants listed in Table 2F-2, those not limited directly or indirectly by an effluent limitation guideline, that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Table 2F-3: For each outfall, list all pollutant in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein; acrylonitrile; 2,4 dinitrophenol; and 2-methyl-4,6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Table 2F-4: For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Certain discharges of hazardous substances may be exempted from the requirements of section 311 of the CWA which establishes reporting requirements. Please contact the Department for further information.

Part VII-D

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration report in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurement, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or by-product. In addition, if you know or have reason to believe that 2,3,7,8 tetrachlorodibenzo-p-dioxin (TCDD) is discharged, or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 3,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); O,O-dimethyl O-(2,4,5-trichlorphenyl) phosphorothicate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Department may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Department has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

Item VIII

Self explanatory. The Department may ask you to provide additional details after your application is received.

Item X

Chapter 403, F.S., provides for severe penalties for submitting false information on this application form. Rule 62-620.305, F.A.C., requires the certification in this item to be signed by an appropriate and responsible authority. If the certification is not signed in accordance with this rule, the application will be deemed incomplete and returned.

TABLE 2F-1
CODES FOR TREATMENT UNITS

Physical Treatment Processes

1-A	Ammonia Stripping	1-N	Microstraining
1-B	Dialysis	1-O	Mixing
1-C	Diatomaceous Earth Filtration	1-P	Moving Bed Filters
1-D	Distillation	1-Q	Multimedia Filtration
1-E	Electrodialysis	1-R	Percolation Pond
1-F	Evaporation	1-S	Rapid Sand Filtration
1-G	Flocculation	1-T	Reverse Osmosis (Hyperfiltration)
1-H	Flotation	1-U	Screening
1-I	Foam Fractionation	1-V	Sedimentation (Settling)
1-J	Freezing	1-W	Slow Sand Filtration
1-K	Gas-Phase Separation	1-X	Solvent Extraction
1-L	Grinding (Comminutors)	1-Y	Sorption
1-M	Grit Removal		

Chemical Treatment Processes

2-A	Carbon Adsorption	2-G	Disinfection (Ozone)
2-B	Chemical Oxidation	2-H	Disinfection (Other)
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection (Chlorine)	2-L	Reduction

Biological Treatment Processes

3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application
3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filtration

Other Processes

4-A	Discharge to Surface Water	4-C	Reuse/Recycle of Treated Effluent
4-B	Ocean Discharge Through Outfall	4-D	Underground Injection

Sludge Treatment and Disposal Processes

5-A	Aerobic Digestion
5-B	Anaerobic Digestion
5-C	Belt Filtration
5-D	Centrifugation
5-E	Chemical Conditioning
5-F	Chlorine Treatment
5-G	Composting
5-H	Drying Beds
5-I	Elutriation
5-J	Flotation Thickening
5-K	Freezing
5-L	Gravity Thickening
5-M	Heat Drying
5-N	Heat Treatment
5-O	Incineration
5-P	Land Application
5-Q	Landfill
5-R	Pressure Filtration
5-S	Pyrolysis
5-T	Sludge Lagoons
5-U	Vacuum Filtration
5-V	Vibration
5-W	Wet Oxidation

TABLE 2F-2
CONVENTIONAL AND NON-CONVENTIONAL POLLUTANTS

Aluminum, Total
Barium, Total
Boron, Total
Bromide
Chlorine, Total Residual
Cobalt, Total
Color
Fecal Coliform
Fluoride
Iron, Total
Magnesium, Total
Molybdenum, Total
Manganese, Total
Nitrate-Nitrite
Nitrogen, Total Organic
Oil and Grease
Phosphorus, Total
Radioactivity
Sulfate
Sulfite
Surfactants
Tin, Total
Titanium, Total

TABLE 2F-3
TOXIC POLLUTANTS

Toxic Pollutants and Total Phenol

Antimony, Total	Copper, Total	Phenols, Total
Arsenic, Total	Cyanide, Total	Selenium, Total
Beryllium, Total	Lead, Total	Silver, Total
Cadmium, Total	Mercury, Total	Thallium, Total
Chromium, Total	Nickel, Total	Zinc, Total

GC/MS Fraction Volatiles Compounds

Acrolein	Chloroform	Methylene Chloride
Acrylonitrile	Dichlorofromomethane	1,1,2,2-Tetrachloroethane
Benzene	1,1-Dichloroethane	Tetrachloroethylene
Bromoform	1,2-Dichloroethane	Toluene
Carbon Tetrachloride	1,1-Dichloroethylene	1,2-Trans,Dichloroethylene
Chlorobenzene	1,2-Dichloropropane	1,1,1-Trichloroethane
Chlorodibromomethane	1,3-Dichloropropylene	1,1,2-Trichloroethane
Chloroethane	Ethylbenzene	Trichloroethylene
2-Chloroethylvinyl Ether	Methyl Bromide	Vinyl Chloride
	Methyl Chloride	

Acid Compounds

2-Chlorophenol	2,4-Dinitrophenol	Pentachlorophenol
2,4-Dichlorophenol	2-Nitrophenol	Phenol
2,4-Dimethylphenol	4-Nitrophenol	2,4,6-Trichlorophenol
4,6-Dinitro-O-Cresol	p-Chloro-M-Cresol	2-methyl-4,6 dinitrophenol

Base/Neutral

Acenaphthene	2-Chloronaphthalene	Fluroanthene
Acenaphthylene	4-Chlorophenyl Phenyl Ether	Fluoene
Anthracene	Chrysene	Hexachlorobenzene
Benzidine	Dibenzo(a,h)anthracene	Hexachlorobutadiene
Benzo(a)anthracene	1,2-Dichlorobenzene	Hexachloroethane
Benzo(a)pyrene	1,3-Dichlorobenzene	Indeno(1,2,3-cd)pyrene
3,4-Benzofluroranthene	1,4-Dichlorobenzene	Isophorone
Benzo(ghi)perylene	3,3-Dichlorobenzidine	Napthalene
Benzo(k)fluoranthene	Diethyl Phthalate	Nitrobenzene
Bis(2-chloroethoxy)methane	Dimethyl Phthalate	N-Nitrosodimethylamine
Bis(2-chloroethyl)ether	Di-N-Butyl Phthalate	N-Nitrosodi-N-Propylamine
Bis(2-chloroisopropyl)ether	2,4-Dinitrotoluene	N-Nitrosodiphenylamine
Bis(2-ethylyhexyl)phthalate	2,6-Dinitrotoluene	Phenanthrene
4-Bromophenyl Phenyl Ether	Di-N-Octylphthalate	Pyrene
Butylbenzyl Phthalate	1,2-Diphenylhydrazine(as Azobenzene)	1,2,4-Trichlorobenzene

Pesticides

Aldrin	Dieldrin	PCB-1242
Alpha-BHC	Alpha-Endosulfan	PCB-1254
Beta-BHC	Beta-Endosulfan	PCB-1221
Gamma-BHC	Endosulfan Sulfate	PCB-1232
Delta-BHC	Endrin	PCB-1248
Chlordane	Endrin Aldehyde	PCB-1260
4,4'-DDT	Heptachlor	PCB-1016
4,4'-DDE	Heptachlor Epoxide	Toxaphene
4,4'-DDD		

TABLE 2F-4
HAZARDOUS SUBSTANCES

Toxic Pollutant

Asbestos

Hazardous Substances

Acetaldehyde	Dinitrobenzene	Napthenic acid
Allyl alcohol	Diquat	Nitrolouene
Allyl chloride	Disulfoton	Parathion
acetate	Diuron	Phenolsulfonate
ne	Epichlorohydrin	Phosgene
Benzonitrile	Ethion	Progargite
Benzyl chloride	Ethylene diamine	Propylene oxide
Butyl acetate	Ethylene dibromide	Pyrethrins
Butylamine	Formaldehyde	Quinoline
Carbaryl	Furfural	Resorcinol
Carbofuran	Guthion	Stronthium
Carbon disulfide	Isoprene	Strychnine
Chlorpyrifos	Isopropanolamine	Styrene
Coumaphos	Kelthane	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Cresol	Depone	TDE (Tetrachlorodiphenyl ethane)
Crotonaldehyde	Malathion	2,4,5-TP (2-(2,4,5-Trichlorophenoxy)propanoic acid)
Cyclohexane	Mercaptodimethur	Trichlorofan
2,4-D (2,4-dichlorophenoxyacetic acid)	Methoxychlor	Triethylamine
Diazinon	Methylmercaptan	Trimethylamine
Dicamba	Methyl methacrylate	Uranium
Dichlobenil	Methyl parathion	Vanadium
Dichorvos	Mevinphos	Vinyl acetate
Diethyl amine	Mexacarbate	Xylene
Dimethyl amine	Monoethyl amine	Xylenol
	Monomethyl amine	Zirconium
	Naled	

FORM
2F

WASTEWATER APPLICATION FOR PERMIT TO DISCHARGE STORMWATER FROM INDUSTRIAL OR DOMESTIC FACILITIES

Facility I.D. Number: 5156C01726

Please type or print in black ink. If additional space is needed for your answer, use plain sheets and attach to the application form.

I. Outfall Location:

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (list)	B. Latitude			C. Longitude			D. Receiving Water (Name)
1	27°	19'	34"	80°	13'	58"	Mosquito Impoundment No. 9
							to Indian River Lagoon

II. Improvements:

A. Are you now required to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions? No

1. Identification of Conditions, Agreements	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	No.	Source of Discharge		a. required	b. projected

B. You may attach additional sheets describing any additional water pollution or other environmental projects which may affect your discharge that you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

III Site Drainage Map: See attached Sheet C-5 from Construction Drawings

Attach a site map showing topography depicting the facility including each of its intake and discharge structures; the drainage area of each stormwater outfall; paved areas and buildings within the drainage area of each stormwater outfall; each known past or present areas used for outdoor storage or disposal of significant materials; each existing structural control measure to reduce pollutants in stormwater runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units; each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive stormwater discharges from the facility. Show hazardous waste storage or disposal areas that do not require a RCRA permit separate from those which do require a permit.

V Narrative Description of Pollutant Sources:

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces, including paved areas and building roofs, drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall No.	Area of Impervious Surface (units)	Total Area Drained (units)	Outfall No.	Area of Impervious Surface (units)	Total Area Drained (units)
1	1.40 acres	6.40 acres			

B. Provide a narrative description of significant materials that are currently, or in the past three years have been, treated, stored or disposed in a manner that allows exposure to storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

The site will be a wastewater treatment and reclaimed water production facility. The facility is designed with inherent safety measures to minimize the potential for leaks. Potentially hazardous materials to be stored on the site include diesel fuel, polymer, sodium bisulfite, sodium hydroxide and chlorine gas. All chemical storage facilities include secondary containment systems.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in stormwater runoff; and a description of the treatment the stormwater receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall No.	Treatment	Table 2F-1 Code
1	Stormwater system is designed to retain all stormwater up to and including 25-year, 72-hour storm event. Discharge structure includes a 2.5-inch orifice with shear gate for pond bleed-down.	

Non-stormwater Discharges: N/A (New facility under construction)

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges, and that all non-stormwater discharges from these outfall(s) are identified in either an accompanying DEP Form 62-620.910(5) or (7) (Forms 2CS or 2ES) application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI Significant Leaks or Spills: N/A (New facility under construction)

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

Facility I.D. Number: 5156C01726

VII Discharge Information: N/A (New facility under construction)

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in Table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or by-product?

___ Yes (list all such pollutants below) ___ No (go to section X)

VIII Biological Toxicity Testing Data N/A (New facility under construction)

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

___ Yes (list all such pollutants below) ___ No (go to Section X)

IX Contract Analysis Information N/A

Were any of the analysis reported in item VII performed by a contract laboratory or consulting firm?

___ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below) ___ No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed

X-A CERTIFICATIONS FOR NEW OR MODIFIED FACILITIES

Facility ID No. 5156C01726

I certify that the engineering features of this pollution control project have been designed by me and found to be in conformity with sound engineering principles, applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules of the Department. It is also agreed that the undersigned, if authorized by the owner, will furnish the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

David F. Holtz, P.E.
Name (please type)

(Affix Seal)

Camp Dresser & McKee Inc.
Company Name

Address: 1601 Belvedere Road, Suite 211 South
West Palm Beach, Florida 33406

42505

Telephone No. 561-689-3330 Date:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

William Blazak, Utilities Director
Name & Official Title (type or print)

561-462-1150
Telephone No. (area code & no.)

Signature

Date Signed

CERTIFICATIONS FOR PERMIT RENEWALS N/A

I certify that the engineering features of this pollution control project have been examined by me and found to be in conformity with sound engineering principles, applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules of the Department.

Signature

Name (please type)

(Affix Seal)

Company Name

Address:

Florida Registration No.

Telephone No. Date:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name & Official Title (type or print)

Telephone No. (area code & no.)

Signature

Date Signed

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Minimum Values (include units)		Average Values (include units)		# of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Oil and Grease		N/A				
Biological Oxygen Demand (BOD_5)						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Kjeldahl Nitrogen						
Nitrate + Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum	Maximum	Minimum	Maximum		

Part B List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's wastewater permit for its wastewater effluent. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Minimum Values (include units)		Average Values (include units)		# of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-weighted composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		

C List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reasons to believe is present. Complete one table for each outfall. See ...ons for additional details.

Pollutant and CAS Number (if available)	Minimum Values (include units)		Average Values (include units)		# of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	# of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event (gallons/minute or specify units)	Total flow from rain event (specify units)	Comments

7. Provide a description of the method of flow measurement or estimate.

SITE DRAINAGE MAP