

One Energy Place
Pensacola, Florida 32520

Tel 850.444.6111



October 6, 2003

Mr. Allen Hubbard, P.E
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

**RE: Renewal Application for NPDES Permit No. FL0002283
Gulf Power Company- Scholz Electric Generating Plant**

Dear Mr. Hubbard:

Enclosed are four (4) completed applications and supporting documents to renew the NPDES permit for Gulf Power's Scholz Electric Generating Plant pursuant to Section VII.B.1 of permit FL0002283. The application consists of three parts: Form 1 for general facility information, Form 2CS for surface water discharge, and Form 2CG for groundwater discharge. Included with these forms is the laboratory report including the methods, results, MDL and PQL of the pollutants requiring analysis for the Plant Scholz discharge, intake, and ash pond composite samples. Also enclosed is the required \$7,500 application fee.

In addition to the completed permit application, enclosed in this package is the Scholz Electric Generating Plant Groundwater Monitoring Summary Report which summarizes and interprets ground water quality data and water levels from permit issuance to present. This report is submitted in accordance with Section III.M of the facility's existing NPDES permit. Please note that the Groundwater Monitoring Summary Report recommends discontinuing the analysis of cadmium, chromium, lead, mercury, and selenium. This report also recommends that radionuclides be eliminated from the monitoring network, as none of these parameters were detected in excess of groundwater standards. Gulf Power requests that these parameters be excluded from the groundwater monitoring requirements in the next NPDES permit.

Please feel free to contact Mike Kyhos at (850) 444-6144 or Joe Neese at (850) 444-6429 of my staff if you have any questions or need any additional information.

Sincerely,

James O. Vick
Environmental Affairs

cc: Gulf Power Company
Rachel Terry
Joe Neese
Mike Markey
Mike Kyhos

FDEP Pensacola
Bill Armstrong

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OCT 10 2003

Industrial Wastewater
Section



WASTEWATER FACILITY OR ACTIVITY PERMIT APPLICATION FORM 1 GENERAL INFORMATION

This form must be completed by all persons applying for a permit for a wastewater facility or activity under

Chapter 62-620, F.A.C..

See Form 1 to determine which other application forms you will need.

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Industrial Wastewater
Section

DESCRIPTION OF PERMIT APPLICATION FORMS

Form 1 - General information. This booklet includes general information on applying for a permit for a wastewater facility or activity under Chapter 62-620, Florida Administrative Code (F.A.C.). **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 or activity 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 Discharge Associated with Industrial Activity

Form 2CR -Non-Discharging/Closed Loop Recycle Systems.

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.). Persons that discharge stormwater associated with industrial activity to surface waters of the state must file for and be granted a permit under Section 403.0885, 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 an anchored facility for the purpose of mineral or oil exploration or development.

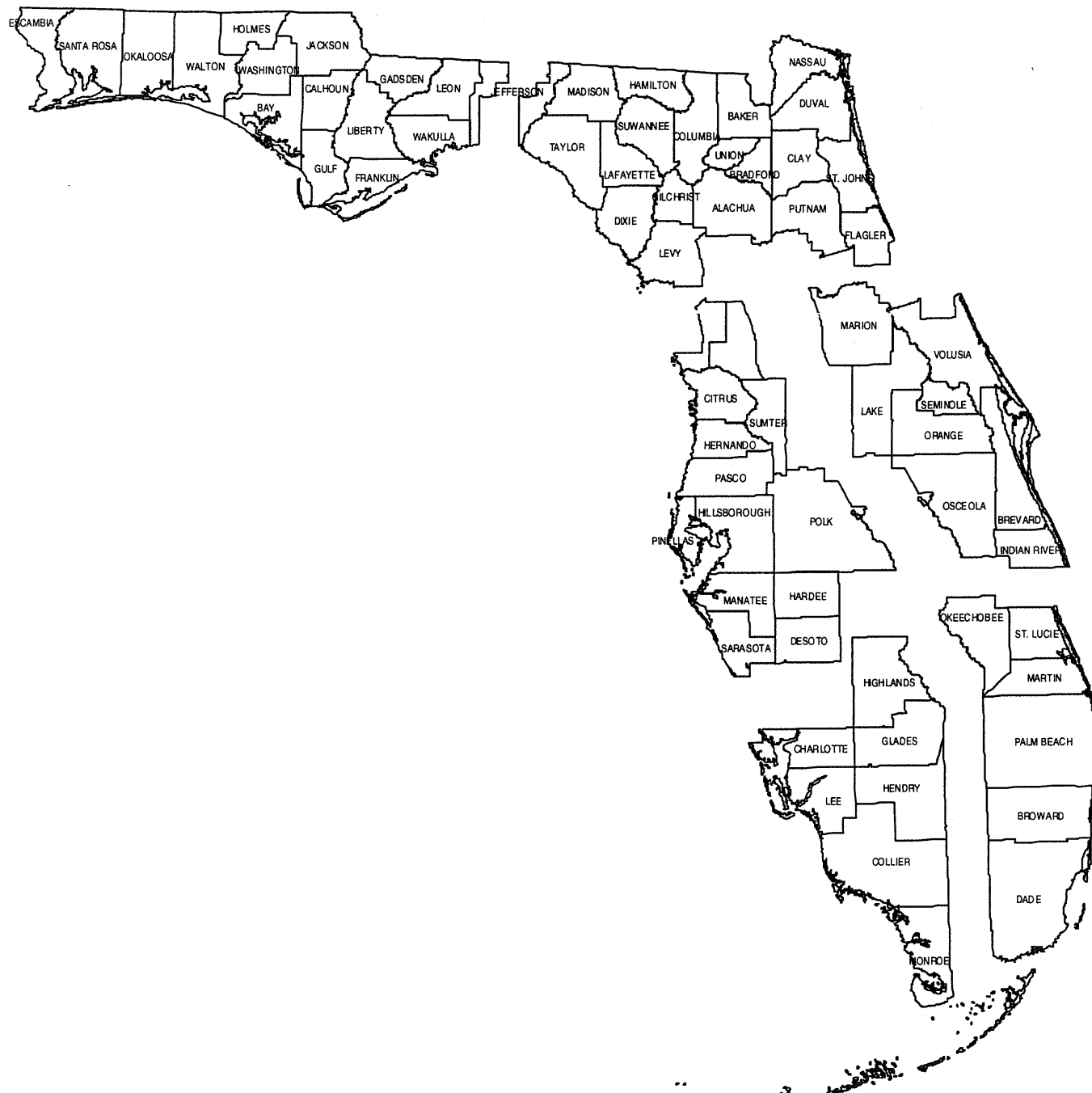
The introduction of sewage, industrial wastes, or other pollutants into a domestic wastewater treatment facility does not need a permit under Sections 403.087, 403.088 or 403.0885, F.S. Persons discharging to permitted wastewater treatment facilities must comply with all applicable pretreatment standards. 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 or activity 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, Ste 308
Pensacola, Florida 32501-5794
Phone No. (850) 595-8300

NORTHEAST DISTRICT

7825 Baymeadows Way, Suite B-200
Jacksonville, Florida 32256-7577
Phone No. (904) 448-4300

SOUTHWEST DISTRICT

3804 Coconut Palm Drive
Tampa, Florida 33619-8318
Phone No. (813) 744-6100

CENTRAL DISTRICT

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

SOUTH DISTRICT

2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901
Phone No. (239) 332-6975

SOUTHEAST DISTRICT

400 North Congress Avenue
West Palm Beach, Florida 33401
Phone No. (561) 681-6600

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 62-620.302, 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 and stormwater 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.

Activity means any action which results in a discharge of wastes into waters of the State or that is reasonably expected to be a source of water pollution.

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 means 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 means 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.

Stormwater Discharge Associated with Industrial Activity is as defined in 40 CFR 122.26(b)(14).

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 FACILITY OR ACTIVITY PERMIT APPLICATION FORM 1 GENERAL INFORMATION

I IDENTIFICATION NUMBER:

Facility ID FL0002283

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 your 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	
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		X
D. Does or will this facility (other than those described in A. or B.) discharge process wastewater to ground waters?	X		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 associated with industrial activity to surface waters?		X	
H. Is this facility a non-discharging/closed loop recycle system?		X	

III NAME OF FACILITY: (40 characters and spaces)

Gulf Power-Scholz Electric Gen Plant

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

A. Name and Title (Last, first, & title)	B. Phone (area code & no.)
Joseph H. Neese	(850) 444-6429

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

A. Street or P.O. Box: One Energy Place		
B. City or Town: Pensacola	State: FL	Zip Code: 32520

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: 1460 Gulf Power Road		
B. County Name: Jackson	C. County Code (if known):	
D. City or Town: Sneads	E. State: FL	F. Zip Code: 32460

VII SIC CODES: (4-digit, in order of priority)

1. Code #: 4911	(Specify) Electric Serv	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: Gulf Power Company		B. Is the name in VIII A. the owner? ☒ Yes ☐ No	
C. Status of Operator: F = Federal; S = State; P = Private; O = Other; M = Public (other than F or S)	(code) P	(specify) Private	D. Phone No.: 850-444-6429
E. Street or P. O. Box: One Energy Place			
F. City or Town: Pensacola		G. State: FL	H. Zip Code: 32520

IX INDIAN LAND: Is the facility located on Indian lands?☐ Yes☒ No

X EXISTING ENVIRONMENTAL PERMITS:

A. NPDES Permit No.	B. UIC Permit No.	C. Other (specify)	D. Other (specify)
FL0002283		Stormwater MSGP	

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)

Electrical power generation

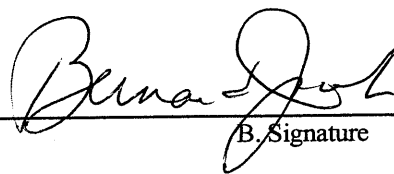
XIII CERTIFICATION (see instructions)

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.

Bernard Jacob

A. Name (type or print)
**Vice President, External
 Affairs & Corporate Services**

Official Title (type or print)


 B. Signature

10-6-03

C. Date Signed

**GULF POWER COMPANY- PLANT SCHOLZ
NPDES PERMIT FL0002283**

**FORM 1
ITEM XI
GENERAL SITE MAP**



PLANT BOUNDARY

PLANT ACCESS ROAD

PLANT BOUNDARY

PLANT BOUNDARY

ASH STORAGE
MIDDLE POND

ASH STORAGE
LOWER POND

SULFURIC
ACID
STORAGE

NPDES
OUTFALL 1-1C

ABANDONED
BUILDING

CHLORINATION
PLANT

OIL HOUSE

SHAKER
HOUSE

COAL
PILE

FIRE
WATER

CAUSTIC
STORAGE

FUEL STORAGE

CAUSTIC STORAGE

WAREHOUSE

PERIMETER FENCE

FIRE TRAINING
PITS

SWITCH YARD

DIESEL
FUEL

CAR WASH

CONDENSATE
TANK

USED OIL

PIPED CONNECTION
TO P.S.

INTAKE
SCREENS

INTAKE CANAL

APALACHICOLA RIVER

OUTFALL
1-1A

DISCHARGE
CANAL

OUTFALL
0-01

Legend

- Drainage Basin Boundary
- Surface Drainage
- Pump Station to Ash Pond
- Sanitary STP
- ▲ Loading/Unloading
- ◇ Trash Dumpster
- ◇ Scrap Metal Dumpster
- Scrap Metal Storage
- NPDES Process Outfall
- ▨ Pavement
- Wall
- Fence
- Transmission Towers
- Power Poles
- Rail Spur
- Stormwater Sump

Source:

Southern Company Services, Inc. Drawing #5 E-32105
Prepared for Gulf Power Company.

400 0 400
SCALE: 1" = 400'

Rev. No.	Date	Revision	Drawn	App'd.
2	02/25	Revised test heights	ees	

Gulf Power Company
Plant Scholz

Site Map

Sneads, Florida



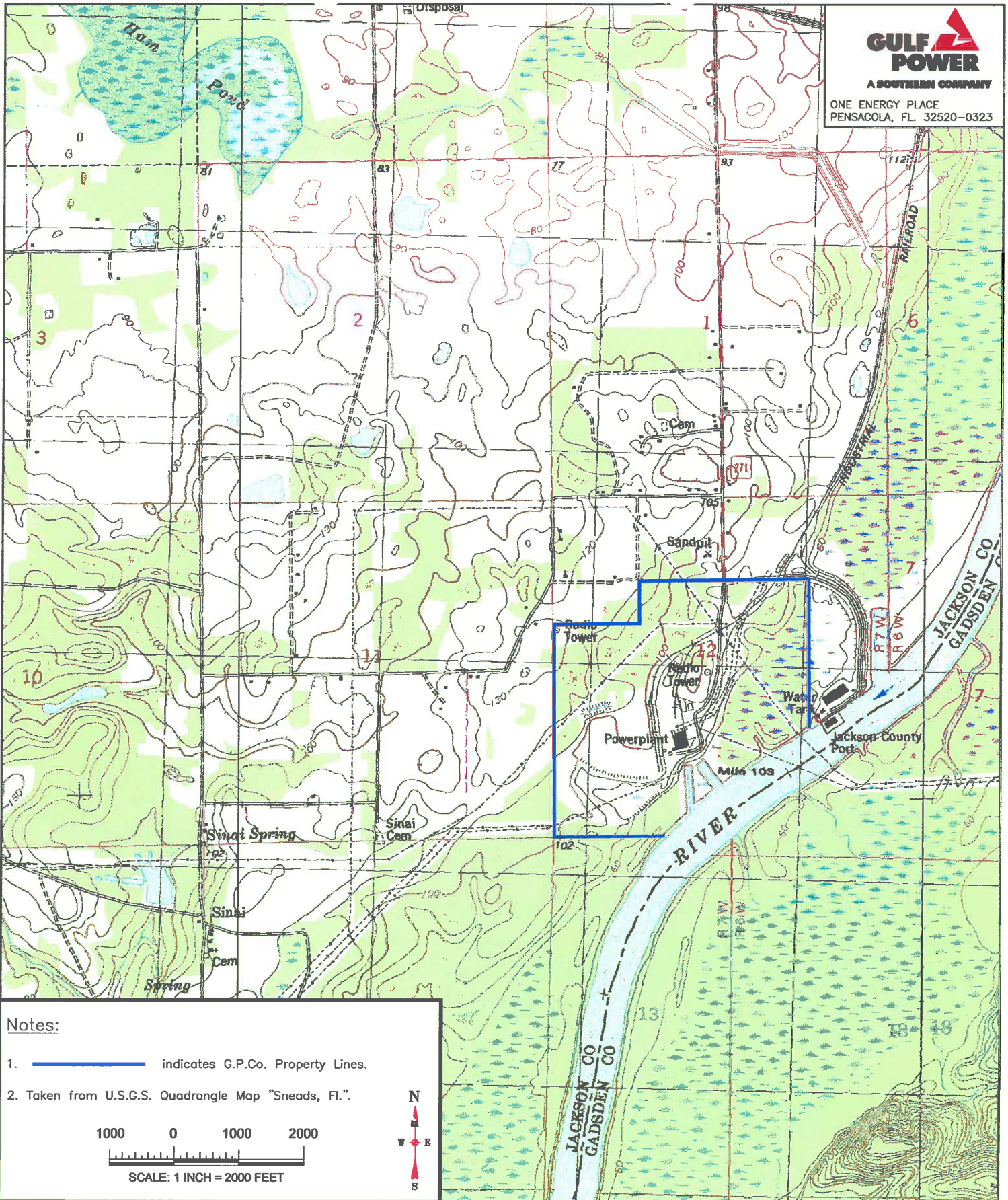
Gulf Coast Environmental & Engineering

Drawn: ees
Checked:
Approved:
Date: 01/20/00
Dwg. No.: site2

Figure 2

**GULF POWER COMPANY- PLANT SCHOLZ
NPDES PERMIT FL0002283**

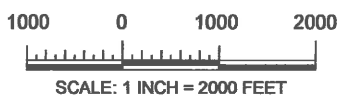
**FORM 1
ITEM XI
SITE TOPOGRAPHIC MAP**



ONE ENERGY PLACE
PENSACOLA, FL. 32520-0323

Notes:

1. — indicates G.P.Co. Property Lines.
2. Taken from U.S.G.S. Quadrangle Map "Sneads, FL."



DR. BY: D.E.G.
CHKD. BY: N/A
DATE DR.: 06/03/03
FIELD WORK
COMPLETION DATE: N/A

SUBJECT: Scholz Plant
DETAIL: Property Lines

SCALE: 1" = 2000' SHEET 1 OF 1 SHEETS

REV. NO. N/A REV. DATE: N/A
A-MISC-1100



WASTEWATER APPLICATION FORM 2CS

PERMIT TO DISCHARGE PROCESS WASTEWATER
FROM NEW OR EXISTING
INDUSTRIAL WASTEWATER FACILITIES
TO SURFACE WATER

INSTRUCTIONS - FORM 2CS

This form must be completed by all applicants who check "yes" to Item II-C in DEP Form 62-620.910(1).

Public Availability of Submitted Information.

You may not claim as confidential any information required by this form or DEP Form 62-620.910(1), whether the information is reported on the forms or in an attachment. This information will be made available to the public upon request. Any information you submit to the Department which goes beyond that required by this form or DEP Form 62-620.910(1) you may claim as confidential, but claims for information which is effluent data will be denied. 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. Claims of confidentiality must be in accordance with Rule 62-620.302, Florida Administrative Code.

Completeness

Your application will not be considered complete unless you answer every question on this form (DEP Form 62-620.910(5)) and on Form 1 (DEP Form 62-620.910(1)). If an item does not apply to you, enter "NA" (for "not applicable") to show that you considered the question. Also, you may need a Plan of Study (POS) to develop Water Quality Effluent Limitations (WQBEL) required by Rule 62-650, F.A.C. Please contact the Department for information.

Follow-up Requirements (for New or Substantially Modified Facilities)

Although you are now required to submit estimated data on this form, please note that no later than six months after you begin discharging from the proposed or substantially modified facility, you must complete and submit items VII and VIII of this Form 2CS (DEP Form 62-620.910(5)). However, you need not complete those portions of Item V requiring test which you have already performed under the discharge monitoring requirements of your permit.

Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

DEP ID Number

If you are applying for a renewal of an existing permit or for a substantial revision to an existing permit, fill in your DEP Identification Number at the top of each page of Form 2CS. You may copy this number directly from Item 1 of Form 1. If you are applying for a permit for a proposed facility, leave the DEP Identification Number blank. The Department will assign a number.

Item I

You may use the map you provided for Item XI of Form 1 to determine the latitude and longitude of each of your discharge locations.

Item II

Describe the design of each outfall, including construction materials used or to be used.

Item III

Describe the surface water body which will be or is receiving effluent from the wastewater facility.

Item IV

A. The line drawing should show generally the route taken by water in your facility from intake to discharge. Show all operations contributing wastewater, including process and production areas, sanitary flows, cooling water, and stormwater runoff. You may group similar operations into a single unit, labeled to correspond to the more detailed listing in Item III B. The water balance should show average flows. Show all significant losses of water to products, atmosphere, and discharge. You should use actual measurements whenever available; otherwise, use your best estimate.

B. List all sources of wastewater to each discharge point. Operations may be described in general terms (for example, "dye-making reactor" or "distillation tower"). You may estimate the flow contributed by each source if no data are available. For stormwater discharges you may estimate the average flow, but you must indicate the rainfall event upon which the estimate is based and the method of estimation. For each treatment unit, indicate its size, flow rate, and retention time, and describe the ultimate disposal of any solid or liquid wastes not discharged. Treatment units should be listed in order and you should select the proper code from Table 2CS-1 to fill in column 3-b for each treatment unit. Insert "XX" into column 3-b if no code corresponds to a treatment unit you list.

C. A discharge is intermittent unless it occurs without interruption during the operating hours of the facility, except for infrequent shut-downs for maintenance, process changes, or other similar activities. A discharge is seasonal if it occurs only during certain parts of the year. Fill in every applicable column in this item for each source of intermittent or seasonal discharges. Base your answers on actual data whenever available; otherwise, provide your best estimate. Report the highest daily value for flow rate and total volume in the "Max. Daily" columns (columns 4-a and 4-b). Report the average of all daily values measured during days when the discharge occurred within the last year in the "Long Term Avg." columns (columns 4-a and 4-b).

Item V

"Production" in this question refers to those goods which the proposed, substantially modified, or existing facility will produce or is producing, not to "wastewater" production. This information is only necessary where production-based new source performance standards (NSPS) or effluent guidelines apply to your facility. Your estimated production figures should be based on a realistic projection of actual daily production level (not design capacity) for each of the first three operating years of the facility. This estimate must be a long-term-average estimate (e.g., average production on an annual basis). If production will vary depending on long-term shifts in operating schedule or capacity, you may report alternate production estimates and the basis for the alternate estimates.

A. All NSPS and effluent guidelines promulgated by EPA appear in the Federal Register and are published annually in 40 CFR Subchapter N. A guideline applies to you if you have any operations contributing process wastewater in any subcategory covered by a BPT, BCT, or BAT guideline. If you are unsure whether you are covered by a promulgated NSPS or effluent guideline, check with your DEP district office (*Figure 1 in the Form 1 instructions*). You must check "yes" if an applicable NSPS or effluent guideline has been promulgated, even if the guideline limitations are being contested in court. If you believe that a promulgated NSPS or effluent guideline has been remanded for reconsideration by a court and does not apply to your operations, you may check "no."

B. An NSPS or effluent guideline is expressed in terms of production (*or other measure of operation*) if the limitation is expressed as mass of pollutant per operational parameter: for example, "pounds of BOD per cubic foot of logs from which bark is removed," or "pounds of TSS per megawatt hour of electrical energy consumed by smelting furnace." An example of a guideline not expressed in terms of a measure of operation is one which limits the concentration of pollutants.

C. This item must be completed only if you checked "yes" to Item V-B. The production information requested here is necessary to apply effluent guidelines to your facility and you cannot claim it as confidential. However, you do not have to indicate how the reported information was calculated. Report quantities in the units of measurement used in the applicable NSPS or effluent guideline. The production figures provided must be based on actual daily production and not on design capacity or on predictions of future operations. To obtain alternate limits under Rule 62-620.620(2)(b)3., F.A.C., you must define your maximum production capability and demonstrate to the Department that your actual production is substantially below maximum production capability and that there is a reasonable potential for an increase above actual production during the duration of the permit.

Item VI

- 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.
- 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 VII (A, B, C, and D, including Tables VII-A, VII-B, and VII-C)

This item requires you to collect and report data on the pollutants discharged from each of your discharge points. 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

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants, you may be required to mark "X" in the "Testing Required" column (*column 2-a, Part C*), and test (*sample and analyze*) and report the levels of the pollutants in your discharge whether or not you expect them to be present in your discharge. For all other, you must mark "X" in either the "Believe Present" column or the "Believe Absent" column (*columns 2-a or 2-b, Part B, and Columns 2-b or 2-c, Part C*) based on your best estimate, and test for those which you believe to be present. (*See specific instructions on the form and below for Parts A through D.*) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, maintenance chemicals, intermediate and final products and by-products, and any previous analyses known to you of your effluent or similar effluent. (*For example, if you manufacture pesticides, you should expect those pesticides to be present in contaminated stormwater runoff.*) If you would expect a pollutant to be present solely as a result of its presence in your intake water, you must mark "Believe Present" but you are not required to analyze for that pollutant. Instead, mark an "X" in the "Intake" column.

A. Reporting

All levels must be reported as concentration and as total mass. You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 to VII-10 if the separate sheets contain all the required information in a format which is consistent with pages VII-1 to VII-10 in spacing and in identification of pollutants and columns. (*For example, the data systems used in your GC/MS analysis may be able to print data in the proper format.*) Use the following abbreviations in the columns headed "Units" (*column 3, Part A, and Column 4, Parts B and C*).

Concentration
ppm - parts per million
mg/l - milligrams per liter
ppb - parts per billion
µg/l - micrograms per liter

Mass
lbs - pounds
ton - tons (English tons)
mg - milligrams
g - grams
kg - kilograms
T - tonnes (metric tons)

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 (e.g., hexavalent chromium). If you measure only one daily value, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column (*columns 2-a and 2-d, Part A, and column 3-a, 3-d, Parts B and C*). The Department may require you to conduct additional analyses to further characterize your discharges. For composite sample, the daily value is the total mass or average concentration found in a composite sample taken over the operating hours of the facility during a 24-hour period; for grab samples, the daily value is the arithmetic or flow-weighted total mass or average concentration found in a series of at least

four grab samples taken over the operating hours of the facility during a 24-hour period. If you measure more than one daily value for a pollutant and those values are representative of your waste stream, 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 "Long Term Avg. Values" columns (*column 2-c, Part A, and column 3-c, Parts B and C*), and the total number of daily values under the "Number of Analyses" columns (*column 2-d, Part A, and columns 3-d, Parts B and C*). Also determine the average of all daily values taken during each calendar month, and report the highest average under the "Max. 30-day Values" columns (*column 2-c, Part A, and column 3-b, Parts B and C*).

B. Sampling

The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater. 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 of your normal operation, to the extent feasible, with all processes which contribute wastewater in normal operation, and with 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. Sampling for metals that are hardness-dependent shall also include sampling for hardness.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples must be used. For all other pollutants 24-hour composite samples must be used. 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. For stormwater discharges a minimum of one to four grab samples may be taken, depending on the duration of the discharge. One grab must be taken in the first hour (*or less*) of discharge, with one additional grab (*up to a minimum of four*) taken in each succeeding hour of discharge for discharges lasting four or more hours. The Department may waive composite sampling for any discharge point for which you demonstrate that use of an automatic sampler is infeasible and that a minimum of four grab samples will be representative of your discharge.

Grab and composite samples¹ are defined as follows:

Grab sample: An individual sample or at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

¹Sampling requirements are periodically reviewed in light of recent research on testing methods. Upon completion of the review, changes to sampling requirements may be made. Before starting any required sampling or submitting past sampling to the Department, be sure that you have a current copy of 40 CFR Part 136 or Chapter 160, Florida Administrative Code.

Composite sample: A combination of at least 8 sample aliquots of a least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period. 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. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. Four (4) (*rather than eight*) aliquots or grab samples should be collected for VOA. These four samples should be collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. Only one analysis is required.

Data from samples taken in the past may be used if all data requirement are met; sampling was done no more than three years before submission; and all data are representative of the present discharge. Among the factors which would cause the data to be unrepresentative are significant changes in production level; changes in raw materials, processes, or final products; and changes in wastewater treatment. When EPA promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. The Department may promulgate new methods in Chapter 160, Florida Administrative Code, with the date when the new methods are to be used. Always be sure you have current copies of these two documents before you take samples or submit sampling data to the Department. If you have submitted data from past sampling, the Department may request additional information, including current quantitative data, if it is determined to be necessary to assess your discharges.

C. Analysis

You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge if 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 discharge points, you may request permission from the Department to sample and analyze only one point and submit the results of the analysis for other substantially identical points. If your request is granted by the Department, or a separate sheet attached to the application form identify which point you did test, and describe why the other points you did not test are substantially identical to the point which you did test.

D. Reporting of Intake Data

You are not required to report data under the "Intake" columns unless you wish to demonstrate your eligibility for a "net" effluent limitation for one or more pollutants, that is, an effluent limitation adjusted by subtracting the average level of the pollutant(s) present in your intake water. To demonstrate your eligibility, under the "Intake" columns report the average of the results of analyses on your intake water (*If your water is treated before use, test the water after it is treated.*), and discuss the requirements for a new limitation with the appropriate district office.

Part VII-A

Part VII-A must be completed by all applicants for all discharge points including discharges of non-contact cooling water or storm runoff. However, at your request, the Department may waive the requirement to test for one or more of these pollutants, upon a determination that available information is adequate to support issuance of the permit with less stringent reporting requirements for these pollutants. Use composite samples for all pollutants in this Part, except use grab samples for pH and temperature. See the discussion in General Instructions to item *VII* for definitions of the columns in Part A. The "Long Term Avg. Values" column (*column 2-c*) and "Max. 30-day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

Part VII-B

Part VII-B must be completed by all applicants for all discharge points, including points containing only non-contact cooling water or storm runoff. You must report quantitative data if the pollutant(s) in question is limited in an effluent limitation either directly or indirectly but expressly through a limitation on an indicator (*e.g., use of TSS as an indicator to control the discharge of iron and aluminum*). For other discharged pollutants you must provide quantitative data or explain their presence in your discharge. The Department will consider a request to eliminate the requirement to test for pollutants for an industrial category or subcategory. Your request must be supported by data representative of the industrial category or subcategory in question. The data must demonstrate that individual testing for each applicant is unnecessary, because the facilities in the category or subcategory discharge substantially identical levels of the pollutant or discharge the pollutant uniformly at sufficiently low levels. Use composite samples for all pollutants you analyze for in this part, except use grab samples for residual chlorine, oil and grease, and fecal coliform. The "Long Term Avg. Values" column (*column 2-c*) and "Max. 30-day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

Part VII-C

Table 2CS-2 at the end of these instructions lists 34 primary industry categories. For each discharge point, if any of your processes which contribute wastewater falls into one of those categories, you must mark "X" in "Testing Required" column (*column 2-a*) and test for (1) all of the toxic metals, cyanide, and total phenols; and (2) the organic toxic pollutants contained in Table 2CS-3 as applicable to your category. The organic toxic pollutants are listed by GC/MS fractions on pages VII-4 to VII-10 in Part VII-C. The inclusion of total phenols in Part VII-C is not intended to classify total phenols as a toxic pollutant. When you determine which industry category you are in to find your testing requirements, you are not determining your category for any other purpose and you are not giving up your right to challenge your inclusion in that category before your permit is issued. For all other cases (*secondary industries, non-process wastewater discharge points, and GC/MS fractions that are not required*), you must mark "X" in either the "Believed Present" column or the "Believed Absent" column for each pollutant.

You must report quantitative data as follows:

For every pollutant you know or have reason to believe is present in your discharge in concentrations of 10 ppb or greater;

For acrolein; acrylonitrile; 2,4 dinitrophenol; and 2-methyl-4,6 dinitrophenol where you expect these four pollutants to be discharged in concentrations of 100 ppb or greater; and

For every pollutant expected to be discharged in concentrations less than the thresholds specified above. For pollutants in this last category, in lieu of quantitative data, you may briefly describe the reasons the pollutant is expected to be discharged.

You are required to mark "Testing Required" for dioxin if you use or manufacture one of the following compounds:

- (a) 2,4,5-trichlorophenoxy acetic acid, (2,4,5-T);
- (b) 2-(2,4,5-trichlorophenoxy) propanoic acid, (Silvex, 2,4,5-TP);
- (c) 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate, (Erbon);
- (d) 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate, (Ronnel);
- (e) 2,4,5-trichlorophenol, (TCP); or
- (f) hexachlorophene, (HCP).

If you mark "testing Required" or "Believed Present," you must perform a screening analysis for dioxin, using gas chromatography with an electron capture detector. A TCDD standard for quantitation is not required. Describe the results of this analysis in the space provided: for example, "no measurable baseline deflection at the retention time of TCDD" or "a measurable peak within the tolerances of the retention time of TCDD." The Department may require you to perform a quantitative analysis if you report a quantitative analysis if you report a positive result.

Part VII-D

List any pollutants in Table 2CS-3 that you believe to be present and explain why you believe them to be present. No analysis is required, but if you have analytical data, you must report it. For discharges of the hazardous substances listed in Table 2CS-4, you may be exempt from the reporting requirements of section 311 of the Clean Water Act. Please contact the Department for information.

Item VIII

This requirement applies to current use or manufacture of a toxic pollutant as an intermediate or final product or by-product. 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 IX

This item is self explanatory.

Item X

This item is self explanatory.

Item XI

This item is self explanatory.

Item XII

There are severe penalties for submitting false information on this application form. Chapter 62-620, Florida Administrative Code, requires, in addition to the certification provided by a professional engineer, a certification from the owner or responsible authority of the facility as follows:

A. For a corporation: by a responsible corporate official. For purposes of this section, a responsible corporate official means (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities employing more than 250 person or have gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

B. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

C. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. A principal executive officer includes the chief executive officer of the agency or a senior executive officer having the responsibility for the overall operations of a principal geographic unit of the agency, for example, a regional or district administrator.

**TABLE 2CS-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	Rapid Sand Filtration
1-F	Evaporation	1-S	Reverse Osmosis (Hyperfiltration)
1-G	Flocculation	1-T	Screening
1-H	Flotation	1-U	Sedimentation (Settling)
1-I	Foam Fractionation	1-V	Slow Sand Filtration
1-J	Freezing	1-W	Solvent Extraction
1-K	Gas-Phase Separation	1-X	Sorption
1-L	Grinding (Comminutors)	1-Y	Percolation Pond
1-M	Grit Removal		
CHEMICAL TREATMENT PROCESSES			
2-A	Carbon Adsorption	2-G	Disinfection (<i>Ozone</i>)
2-B	Chemical Oxidation	2-H	Disinfection (<i>Other</i>)
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection (<i>Chlorine</i>)	2-L	Reduction
BIOLOGICAL TREATMENT PROCESSES			
3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application

Table 2CS-1, Codes for Treatment Units contd.

3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filter
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-M	Heat Drying
5-B	Anaerobic Digestion	5-N	Heat Treatment
5-C	Belt Filtration	5-O	Incineration
5-D	Centrifugation	5-P	Land Application
5-E	Chemical Conditioning	5-Q	Landfill
5-F	Chlorine Treatment	5-R	Pressure Filtration
5-G	Composting	5-S	Pyrolysis
5-H	Drying Beds	5-T	Sludge Lagoons
5-I	Elutriation	5-U	Vacuum Filtration
5-J	Flotation Thickening	5-V	Vibration
5-K	Freezing	5-W	Wet Oxidation
5-L	Gravity Thickening		

TABLE 2CS-2
TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS INDUSTRY CATEGORY

INDUSTRY CATEGORY	GC/MS FRACTION ¹			
	Volatile	Acid	Base/Neutral	Pesticide
Adhesives and sealants	X	X	X	
Aluminum forming	X	X	X	
Auto and other laundries	X	X	X	X
Battery manufacturing	X		X	
Coal mining	X	X	X	X

Table 2CS-2, Testing Requirements for Organic Toxic Pollutants Industry Category contd.

Coil coating	X	X	X	
Copper forming	X	X	X	
Electric and electronic compounds	X	X	X	X
Electroplating	X	X	X	
Explosives manufacturing		X	X	
Foundries	X	X	X	
Gum and wood chemicals	X	X	X	X
Inorganic chemicals manufacturing	X	X	X	
Iron and steel manufacturing	X	X	X	
Leather tanning and finishing	X	X	X	X
Mechanical products manufacturing	X	X	X	
Nonferrous metals manufacturing	X	X	X	X
Ore mining	X	X	X	X
Organic chemicals manufacturing	X	X	X	X
Paint and ink formulation	X	X	X	X
Pesticides	X	X	X	X
Petroleum refining	X	X	X	X
Pharmaceutical preparations	X	X	X	
Photographic equipment and supplies	X	X	X	X
Plastic and synthetic materials manufacturing	X	X	X	X
Plastic processing	X			
Porcelain enameling	X		X	X
Printing and publishing	X	X	X	X
Pulp and paperboard mills	X	X	X	X
Rubber processing	X	X	X	
Soap and detergent manufacturing	X	X	X	
Steam electric power plants	X	X	X	
Textile mills	X	X	X	X
Timber products processing	X	X	X	X

¹The pollutants in each fraction are listed in Item VII-C . X = Testing required.

TABLE 2CS-3
TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES
REQUIRED TO BE IDENTIFIED BY APPLICANTS
IF EXPECTED TO BE PRESENT

<u>Toxic Pollutant</u>	<u>Hazardous Substances</u>	<u>Hazardous Substances</u>
Asbestos	2,2 Dichloropropionic acid	Monomethyl amine
	Dichlorvos	Naled
<u>Hazardous Substances</u>	Diethyl amine	Naphthenic acid
Acetaldehyde	Dimethyl amine	Nitrotoluene
Allyl alcohol	Dintrobenzene	Parathion
Allylchloride	Diquat	Phenolsulfonate
Amyl acetate	Disulfoton	Phosgene
Aniline	Diuron	Propargite
Benzonitrile	Epichlorohydrin	Propylene oxide
Benzyl chloride	Ethion	Pyrethrins
Butyl acetate	Ethylene diamine	Quinoline
Butylamine	Formaldehyde	Resorcinol
Captan	Furfural	Strontium
Carbaryl	Guthion	Strychnine
Carbofuran	Isoprene	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Carbon disulfide	Isopropanolamine	TDE (Terochlorodiphenyl ethane)
Chlopyrifos	dodecylbenzenesulfonate	2,4,5-TP [2-(2,4,5-Trichlorophenoxy)propanoic acid]
Coumaphos	Kelthane	Trichlorofon
Cresol	Kepone	Triethanolamine dodecylbenzenesulfonate
Crotonaldehyde	Malathion	Triethylamine
Cyclohexane	Mercaptodimethur	Uranium
2,4-D (2,4-Dichlorophenoxyacetic acid)	Methoxychlor	Vanadium
Diazinon	Methyl mercaptan	Vinyl acetate
Dicamba	Methyl methacrylate	Xylene
Dichlobenil	Methyl parathion	Xylenol
Dichlone	Mevinphos	Zirconium
	Mexacarbate	
	Monoethyl amine	

**TABLE 2CS-4
HAZARDOUS SUBSTANCES**

- | | | |
|---------------------------------|-------------------------------------|---|
| 1. Acetaldehyde | 49. Arsenic trisulfide | 97. Cupric nitrate |
| 2. Acetic acid | 50. Barium cyanide | 98. Cupric oxalate |
| 3. Acetic anhydride | 51. Benzene | 99. Cupric sulfate |
| 4. Acetone cyanohydrin | 52. Benzoic acid | 100. Cupric sulfate ammoniated |
| 5. Acetyl bromide | 53. Benzonitrile | 101. Cupric tartrate |
| 6. Acetyl chloride | 54. Benzoyl chloride | 102. Cyanogen chloride |
| 7. Acrolein | 55. Benzyl chloride | 103. Cyclohexane |
| 8. Acrylonitrile | 56. Beryllium chloride | 104. 2,4-D acid (2,4-
Dichlorophenoxyacetic acid) |
| 9. Adipic acid | 57. Beryllium fluoride | 105. 2,4-D esters (2,4-
Dichlorophenoxyacetic acid esters) |
| 10. Aldrin | 58. Beryllium nitrate | 106. DDT |
| 11. Allyl alcohol | 59. Butylacetate | 107. Diazinon |
| 12. Allyl chloride | 60. n-Butylphthalate | 108. Dicamba |
| 13. Aluminum sulfate | 61. Butylamine | 109. Dichlobenil |
| 14. Ammonia | 62. Butyric acid | 110. Dichlone |
| 15. Ammonium acetate | 63. Cadmium acetate | 111. Dichlorobenzene |
| 16. Ammonium benzoate | 64. Cadmium bromide | 112. Dichloropropane |
| 17. Ammonium bicarbonate | 65. Cadmium chloride | 113. Dichloropropene |
| 18. Ammonium bichromate | 66. Calcium arsenate | 114. Dichloropropene-Dichloropropane
mix |
| 19. Ammonium bifluoride | 67. Calcium arsenite | 115. 2,2-Dichloropropionic acid |
| 20. Ammonium bisulfite | 68. Calcium carbide | 116. Dichlorvos |
| 21. Ammonium carbamate | 69. Calcium chromate | 117. Dieldrin |
| 22. Ammonium carbonate | 70. Calcium cyanide | 118. Diethylamine |
| 23. Ammonium chloride | 71. Calcium dodecylbenzenesulfonate | 119. Dimethylamine |
| 24. Ammonium chromate | 72. Calcium hypochlorite | 120. Dinitrobenzene |
| 25. Ammonium citrate | 73. Captan | 121. Dinitrophenol |
| 26. Ammonium fluoroborate | 74. Carbaryl | 122. Dinitrotoluene |
| 27. Ammonium fluoride | 75. Carbofuran | 123. Diquat |
| 28. Ammonium hydroxide | 76. Carbon disulfide | 124. Disulfoton |
| 29. Ammonium oxalate | 77. Carbon tetrachloride | 125. Diuron |
| 30. Ammonium silicofluoride | 78. Chlordane | 126. Dodecylbenzenesulfonic acid |
| 31. Ammonium sulfamate | 79. Chlorine | 127. Endosulfan |
| 32. Ammonium sulfide | 80. Chlorobenzene | 128. Endrin |
| 33. Ammonium sulfite | 81. Chloroform | 129. Epichlorohydrin |
| 34. Ammonium tartrate | 82. Chloropyrifos | 130. Ethion |
| 35. Ammonium thiocyanate | 83. Chlorosulfonic acid | 131. Ethylbenzene |
| 36. Ammonium thiosulfate | 84. Chromic acetate | 132. Ethylenediamine |
| 37. Amyl acetate | 85. Chromic acid | 133. Ethylene dibromide |
| 38. Aniline | 86. Chromic sulfate | 134. Ethylene dichloride |
| 39. Antimony pentachloride | 87. Chromous chloride | 135. Ethylene Diaminetetracetic acid
(EDTA) |
| 40. Antimony potassium tartrate | 88. Cobaltous bromide | 136. Ferric ammonium citrate |
| 41. Antimony tribromide | 89. Cobaltous formate | 137. Ferric ammonium oxalate |
| 42. Antimony trichloride | 90. Cobaltous sulfamate | 138. Ferric chloride |
| 43. Antimony trifluoride | 91. Coumaphos | 139. Ferric fluoride |
| 44. Antimony trioxide | 92. Cresol | 140. Ferric nitrate |
| 45. Arsenic disulfide | 93. Crotonaldehyde | |
| 46. Arsenic pentoxide | 94. Cupric acetate | |
| 47. Arsenic trichloride | 95. Cupric acetoarsenite | |
| 48. Arsenic trioxide | 96. Cupric chloride | |

HAZARDOUS SUBSTANCES (contd.)

- | | | |
|--|--------------------------------------|---|
| 141. Ferric sulfate | 190. Naled | 240. Sodium hydrosulfide |
| 142. Ferrous ammonium sulfate | 191. Naphthalene | 241. Sodium hydroxide |
| 143. Ferrous chloride | 192. Naphthenic acid | 242. Sodium hypochlorite |
| 144. Ferrous sulfate | 193. Nickel ammonium sulfate | 243. Sodium methylate |
| 145. Formaldehyde | 194. Nickel chloride | 244. Sodium nitrate |
| 146. Formic acid | 195. Nickel hydroxide | 245. Sodium phosphate (dibasic) |
| 147. Fumaric acid | 196. Nickel nitrate | 246. Sodium phosphate (tribasic) |
| 148. Furfural | 197. Nickel sulfate | 247. Sodium selenite |
| 149. Guthion | 198. Nitric acid | 248. Strontium chromate |
| 150. Heptachlor | 199. Nitrobenzene | 249. Strychnine |
| 151. Hexachlorocyclopentadiene | 200. Nitrogen dioxide | 250. Styrene |
| 152. Hydrochloric acid | 201. Nitrophenil | 251. Sulfuric acid |
| 153. Hydrofluoric acid | 202. Nitrotoluene | 252. Sulfur monochloride |
| 154. Hydrogen cyanide | 203. Paraformaldehyde | 253. 2,4,5-T acid (2,4,5-
Trichlorophenoxy acetic acid) |
| 155. Hydrogen sulfide | 204. Parathion | 254. 2,4,5-T amines (2,4,5-
Trichlorophenoxy acetic cid
amines) |
| 156. Isoprene | 205. Pentachlorophenol | 255. 2,4,5-T esters (2,4,5-
Trichlorophenoxy acetic cid esters) |
| 157. Isopropanolamine
dodecylbenzenesulfonate | 206. Phenol | 256. 2,4,5-T salts (2,4,5-
Trichlorophenoxy acetic acid salts) |
| 158. Kelthane | 207. Phosoene | 257. 2,4,5-TP acid (2,4,5-
Trichlorophenoxy propanoic acid) |
| 159. Kepone | 208. Phosphoric acid | 258. 2,4,5-TP acid esters (2,4,5-
Trichlorophenoxy propanoic acid
esters) |
| 160. Lead acetate | 209. Phosphorus | 259. TDE (Tetrachlorodiphenyl ethane) |
| 161. Lead arsenate | 210. Phosphorus oxychloride | 260. Tetraethyl lead |
| 162. Lead chloride | 211. Phosphorus pentasulfide | 261. Tetraethyl pyrophosphate |
| 163. Lead fluoborate | 212. Phosphorus trichloride | 262. Thallium sulfate |
| 164. Lead fluoride | 213. Polychlorinated biphenyls (PCB) | 263. Toluene |
| 165. Lead iodide | 214. Potassium arsenate | 264. Toxaphene |
| 166. Lead nitrate | 215. Potassium arsenite | 265. Trichlorofon |
| 167. Lead stearate | 216. Potassium bichromate | 266. Trichloroethylene |
| 168. Lead sulfate | 217. Potassium chromate | 267. Trichlorophenol |
| 169. Lead sulfide | 218. Potassium cyanide | 268. Triethanolamine
dodecylbenzenesulfonate |
| 170. Lead thiocyanate | 219. Potassium hydroxide | 269. Triethylamine |
| 171. Lindane | 220. Potassium permanganate | 270. Trimethylamine |
| 172. Lithium chromate | 221. Propargite | 271. Uranyl acetate |
| 173. Malathion | 222. Propionic acid | 272. Uranyl nitrate |
| 174. Maleic acid | 223. Propionic anhydride | 273. Vanadium pentoxide |
| 175. Maleic anhydride | 224. Propylene oxide | 274. Vanadyl sulfate |
| 176. Mercaptodimethur | 225. Pyrethrins | 275. Vinyl acetate |
| 177. Mercuric cyanide | 226. Quinoline | 276. Vinylidene chloride |
| 178. Mercuric nitrate | 227. Resorcinol | 277. Xylene |
| 179. Mercuric sulfate | 228. Selenium oxide | 278. Xylenol |
| 180. Mercuric thiocyanate | 229. Silver nitrate | 279. Zinc acetate |
| 181. Mercurous nitrate | 230. Sodium | 280. Zinc ammonium chloride |
| 182. Methoxychlor | 231. Sodium arsenate | |
| 183. Methyl mercaptan | 232. Sodium arsenite | |
| 184. Methyl methacrylate | 233. Sodium bichromate | |
| 185. Methyl parathion | 234. Sodium bifluoride | |
| 186. Mevinphos | 235. Sodium bisulfite | |
| 187. Mexacarbate | 236. Sodium chromate | |
| 188. Monoethylamine | 237. Sodium cyanide | |
| 189. Monomethylamine | 238. Sodium dodecylbenzensulfonate | |
| | 239. Sodium fluoride | |

HAZARDOUS SUBSTANCES (contd.)

281. Zinc borate
282. Zinc bromide
283. Zinc carbonate
284. Zinc chloride
285. Zinc cyanide
286. Zinc fluoride

287. Zinc formate
288. Zinc hydrosulfite
289. Zinc nitrate
290. Zinc phenolsulfonate
291. Zinc phosphide
292. Zinc silcofluoride

293. Zinc sulfate
294. Zirconium nitrate
295. Zirconium potassium fluoride
296. Zirconium sulfate
297. Zirconium tetrachloride

FORM 2CS



WASTEWATER APPLICATION FOR PERMIT TO DISCHARGE PROCESS WASTEWATER FROM NEW OR EXISTING INDUSTRIAL WASTEWATER FACILITIES TO SURFACE WATERS

Facility I.D. Number: FL0002283

Please print or type information in the appropriate areas.

I OUTFALL LOCATION For each outfall, list the X,Y coordinates and the name of the receiving water.
(latitude/longitude to the nearest 15 seconds)

A. Outfall No. (List)	B. Latitude			C. Longitude			D. Name of Receiving Water
	Deg.	Min.	Sec.	Deg.	Min.	Sec.	
D-01	30	39	58	84	53	12	Apalachicola River
I-1C	30	39	56	84	53	21	Internal Outfall
I-1A	30	40	6	84	53	13	Internal Outfall

II OUTFALL DESIGN

A. Outfall No. (List)	B. Design Configuration and Construction Materials	C. Distance from shore	D. Diameter	E. Elevation of Discharge Invert (MSL)	F. Receiving Water Depth at POD (MSL)
D-01	Man Made Canal	NA	NA	NA	NA
I-1C	Ash Pond	Internal	Outfall	to D-01	NA
I-1A	Domestic Wastewater Plant	Internal	Outfall	to I-1C	NA

III RECEIVING WATER INFORMATION

For each surface water that will receive effluent, supply the following information:

A. Name of Receiving Water	B. Check One		C. Classification (See Ch. 62-302, F.A.C.)	D. Type of Receiving Water (canal, river, lake, etc.)
	Fresh	Salt or Brackish		
Apalachicola River	☒	☐	Class III	River
	☐	☐		
	☐	☐		
	☐	☐		
	☐	☐		
	☐	☐		

E. Minimum 7-day 10-year low flow of the receiving water at each outfall (if appropriate). N/A

F. Identify and describe the flow of effluent from each outfall to a major body of water. A suitably marked map or aerial photograph may be used. See Attached Map.

G. Do you request a mixing zone under Rule 62-4.244, F.A.C.? If yes, for what parameters or pollutants? No

IV FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B.

B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of:

1. All operations contributing wastewater to the effluent; including process wastewater, sanitary wastewater, cooling water, and stormwater runoff;
2. The average flow contributed by each operation; and
3. The treatment received by the wastewater.

Use the space on the next page. Continue on additional sheets, if necessary.

(1) Outfall No. (List)	(2) Operation(s) Contributing Flow		(3) Treatment		
	(a) Operation (list)	(b) Avg. Flow & Units	(a) Description	(b) List Code from Table 2CS-1	
D-01	Once through condenser cooling water	129.6 MGD*	Discharge to surface water	4-A	
	Ash pond overflow	~0.80 MGD	Sedimentation	1-U	
I-1C	Ash sluice water	~0.54 MGD*	Sedimentation	1-U	
	Building sumps	~0.36 MGD*	Sedimentation	1-U	
	Coal pile runoff/yard sumps	~0.38 MGD**	Sedimentation	1-U	
	Treated domestic wastewater	~.0006 MGD	Aerobic Digestion/Disinfect/Dechlor	5-A, 2-F	2-E
I-1A	Treated domestic wastewater	~.0006 MGD	Aerobic Digestion	5-A	
			Disinfection (chlorine)	2-F	
			Dechlorination	2-E	

* = Flow expressed as a maximum based on pump capacities.

** = Flow estimate based on average of 60" annual rainfall.

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?								
☐ Yes (complete the following table) ☒ No (go to D. below)								
(1) Outfall No. (List)	(2) Operation(s) Contributing Flow(List)	(3) Frequency		(4) Flow				(c) Duration (in days)
		(a) Days per Week (specify avg.)	(b) Months per Yr. (specify avg.)	(a) Flow Rate (in mgd)		(b) Total Volume (specify with units)		
				Long Term Avg.	Max. Daily	Long Term Avg.	Max. Daily	

D. Describe practices to be followed to ensure adequate wastewater treatment during emergencies such as power loss and equipment failures causing shutdown of pollution abatement equipment of the proposed/permitted facilities.

See Attached Response

E. List the method(s) and location(s) of flow measurement. See Attached Response

V PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ Yes (complete Item V-B) ☐ No (go to Section VI)

B. Are the limitations in the applicable guideline expressed in terms of production (or other measure of operation)?

☐ Yes (complete Item V-C) ☒ No (go to Section VI)

C. If you answered "yes" to Item V-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. Affected Outfalls (list outfall nos.)
a. Quantity per Day	b. Units of Measure	c. Operation, Product, Materials, Etc. (specify)	

VI IMPROVEMENTS

A. Are you now required by any Federal, State or local authority 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 order, enforcement compliance schedule letter, stipulations, court orders, and grant or loan conditions.

☐ Yes (complete the following table) ☒ No (go to Item VI-B)

1. Identification of Condition, Agreement, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	a. No.	b. Source of Discharge		a. Required	B. Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) 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.

☐ Mark "X" if description of additional control programs is attached.

VII INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding--Complete one set of tables for each outfall -- Annotate the outfall number in the space provided. NOTE: Tables VII-A, VII-B, and VII-C are included on separate sheets number VII-1 through VII-9.

D. Use the space below to list any of the pollutants listed in Table 2CS-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. Pollutant	2. Source	1. Pollutant	2. Source
NA			

VIII POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item VII-C 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 IX)

IX BIOLOGICAL TOXICITY TESTING DATA

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 (identify the test(s) and describe their purposes below) ☒ NO (go to Section X)

X CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, telephone number, and certification number of, and pollutants analyzed by each such laboratory or firm below) ☐ NO (go to Section XI)

A. Name	B. Address	C. Telephone (area code & no.)	D. Pollutants Analyzed (list)
Severn Trent Laboratories, Inc. Florida DHRS Certification Number E87089	900 Lakeside Dr. Mobile, AL 36693	(251) 666-6633	All parameters analyzed by Severn Trent Laboratories except for pH, Total Residual Chlorine, temperature, and flow. pH and temperature based on historical data.

XI CONNECTION TO REGIONAL POTW

A. Indicate the relationship between this project and area regional planning for wastewater treatment. List steps to be taken for this industrial wastewater facility to become part of an area-wide wastewater treatment system.

Wastewater discharged from Plant Scholz consists maily of once-thru, non-contact cooling water. The plant is located in a remote, rural location with no POTWs located in proximity to the plant. As a result, it would not be practical or feasible to connect Plant Scholz to a POTW.

XII-A CERTIFICATIONS FOR NEW OR MODIFIED FACILITIES

This is to certify 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.

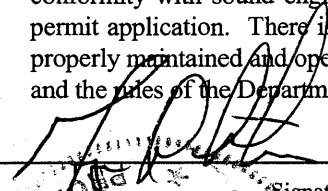
Signature	Company Name
Name (please type)	Address
(Affix Seal)	
	Florida Registration No.: _____
	Telephone No.: _____
	Date _____

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 (Please type or print)	Signature
Telephone No. (area code & No.)	Date Signed

XII-B CERTIFICATIONS FOR PERMIT RENEWALS

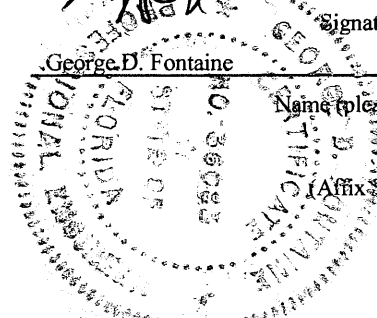
This is to certify the engineering features of this pollution control project have been examined by me and found to be in conformity with sound engineering principles, applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my 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

George D. Fontaine

Name (please type)



(Affix Seal)

Gulf Power Company

Company Name

Address

One Energy Place

Pensacola, FL 32520

Florida Registration No.: 36083

Telephone No.: (850) 522-3479

Date October 3, 2003

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.

Bernard Jacob

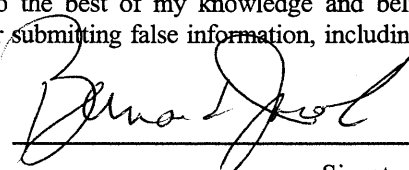
Name & Official Title (Please type or print)

Vice President, External

Affairs & Corporate Services

850.444.6382

Telephone No. (area code & No.)



Signature

10-6-03

Date Signed

PLEASE PRINT OR TYPE ONLY: You may report some or all of this information on separate sheets instead of completing these pages. Use the same format. SEE INSTRUCTIONS.

VII. INTAKE AND EFFLUENT CHARACTERISTICS

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.

1. Pollutant	2. Effluent						3. Units		4. Intake (optional)			
	a. Max. Daily Value		b. Max. 30-day Value		c. Annual Avg. Value		d. No. of Analyses	a. Concentration	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Carbonaceous Biochemical Oxygen Demand (CBOD)	2.9	3100					1	mg/l	lbs/day	3.0	3200	1
b. Chemical Oxygen Demand (COD)	<20	<22000					1	mg/l	lbs/day	<20	<22000	1
c. Total Organic Carbon (TOC)	4.1	4400					1	mg/l	lbs/day	3.8	4100	1
d. Total Suspended Solids (TSS)	3.0	3200					1	mg/l	lbs/day	4.0	4300	1
e. Total Nitrogen (as N)	1.1	1200					1	mg/l	lbs/day	0.30	320	1
f. Total Phosphorus (as P)	<0.10	<110					1	mg/l	lbs/day	<0.10	<110	1
g. Ammonia (as N)	<0.030	<32					1	mg/l	lbs/day	<0.030	<32	1
h. Flow - actual or projected	Value 129.6		Value		Value				MGD	Value 129.6		
i. Flow - design	Value		Value		Value					Value		
j. Specific Conductivity	Value 110		Value		Value		1	umhos/cm		Value 100		1
k. Temperature (winter)	Value 37.7		Value		Value		730	°C		Value 28.3		730
l. Temperature (summer)	Value 42.4		Value		Value		730	°C		Value 32.3		730
m. pH	Min. 7.00	Max 8.03	Min.	Max.			52	STANDARD UNITS				

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc...	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Bromide (24949-67-9)	☒	☐	5.0	5400					1	mg/l	lbs/day	6.9	7500	1
b. Chlorine, Total Residual	☐	☒	<0.05	<54					1	mg/l	lbs/day	<0.05	<54	1
c. Color	☒	☐	35	NA					1	PCU	NA	35	NA	1
d. Fecal Coliform	☒	☐	7	NA					1	col/100mls	NA	11	NA	1
e. Fluoride (16984-48-8)	☐	☒	<0.20	<220					1	mg/l	lbs/day	<.20	<200	1
f. Nitrate-Nitrite (as N)	☒	☐	0.48	520					1	mg/l	lbs/day	0.46	500	1

: Item VII-B Contd.

Facility ID. Number FL0002283Outfall No. D-01

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
g. Nitrogen, Total Organic (as N)	☒	☐	1.1	1200					1	mg/l	lbs/day	0.30	320	1
h. Oil and grease	☐	☒	<5.0	<5400					1	mg/l	lbs/day	<5.0	5400	1
i. Phosphorus, Total (as P) (7723-14-0)	☐	☒	<0.10	<110					1	mg/l	lbs/day	<0.10	<110	1
j. Radioactivity														
(1) Alpha, Total	☐	☒	1.4+/-0.7	NA					1	pCi/l	NA	0.8+/-0.7	NA	1
(2) Beta, Total	☐	☒	2.9+/-1.1	NA					1	pCi/l	NA	1.7+/-0.7	NA	1
(3) Radium, Total	☐	☒	0.2+/-0.7	NA					1	pCi/l	NA	0.1+/-0.4	NA	1
(4) Radium 226, Total	☐	☒	0.1+/-0.1	NA					1	pCi/l	NA	0.1+/-0.06	NA	1
k. Sulfate (as SO ₄) (14808-79-8)	☐	☒	<5.0	<5400					1	mg/l	lbs/day	<5.0	<5400	1
l. Sulfide (as S)	☐	☒	<0.10	110					1	mg/l	lbs/day	<0.10	110	1
m. Sulfite (as SO ₃) (14265-45-3)	☐	☒	<5.0	<5400					1	mg/l	lbs/day	<5.0	<5400	1
n. Surfactants	☐	☒	<0.10	<110					1	mg/l	lbs/day	<0.10	110	1
o. Aluminum, Total (7429-90-5)	☒	☐	0.49	530					1	mg/l	lbs/day	0.47	510	1
p. Barium, Total (7440-39-3)	☒	☐	0.025	27					1	mg/l	lbs/day	0.024	26	1
q. Boron, Total (7440-42-8)	☐	☒	<0.050	<54					1	mg/l	lbs/day	<0.050	<54	1
r. Cobalt, Total (7440-48-4)	☐	☒	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1
s. Iron, Total (7439-89-6)	☒	☐	0.77	830					1	mg/l	lbs/day	0.78	840	1
t. Maagnesium, Total (7439-95-4)	☒	☐	1.7	1800					1	mg/l	lbs/day	1.5	1600	1
u. Molybdenum, Total (7439-98-7)	☐	☒	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1
v. Manganese, Total (7439-96-5)	☒	☐	0.074	80					1	mg/l	lbs/day	0.085	92	1
w. Tin, Total (7440-31-5)	☐	☒	<0.01	<11					1	mg/l	lbs/day	<0.01	<11	1
x. Titanium, Total (7440-32-6)	☒	☐	0.016	17					1	mg/l	lbs/day	0.016	17	1

Facility ID. Number: FL0002283 Outfall No. D-01

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2a for all GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2b for each pollutant you know or have reason to believe is present. Mark "X" in column 2c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent								4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses	
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass		
METALS, CYANIDE, AND TOTAL PHENOLS																
1M. Antimony, Total (7440-36-0)	☒	☐	☐	<0.0060	<6.5					1	mg/l	lbs/day	<0.0060	<6.5	1	
2M. Arsenic, Total (7723-14-0)	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
3M. Beryllium, Total (7440-41-7)	☒	☐	☐	<0.0040	<4.3					1	mg/l	lbs/day	<0.0040	<4.3	1	
4M. Cadmium, Total (7440-43-9)	☒	☐	☐	<0.0050	<5.4					1	mg/l	lbs/day	<0.0050	<5.4	1	
5M. Chromium, Total (7440-47-3)	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
6M. Copper, Total (7440-50-8)	☒	☐	☐	<0.020	<22					1	mg/l	lbs/day	<0.020	<22	1	
7M. Lead, Total (7439-92-1)	☒	☐	☐	<0.0050	<5.4					1	mg/l	lbs/day	<0.0050	<5.4	1	
8M. Mercury, Total (7439-97-6)	☒	☐	☐	<0.00050	<0.54					1	mg/l	lbs/day	<0.0050	<0.54	1	
9M. Nickel, Total (7440-02-0)	☒	☐	☐	<0.040	<43					1	mg/l	lbs/day	<0.040	<43	1	
10M. Selenium, Total (7782-49-2)	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
11M. Silver, Total (7440-22-4)	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
12M. Thallium, Total (7440-28-0)	☒	☐	☐	<0.0020	<2.2					1	mg/l	lbs/day	<0.0020	<2.2	1	
13M. Zinc, Total (7440-66-6)	☒	☐	☐	<0.020	<11					1	mg/l	lbs/day	<0.020	<11	1	
14M. Cyanide, Total (57-12-5)	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
15M. Phenols, Total	☒	☐	☐	<0.010	<11					1	mg/l	lbs/day	<0.010	<11	1	
DIOXIN																
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	☒	☐	☐	<10	<0.01					1	pg/l	lbs/day	<10	<0.01	1	
GC/MS FRACTION-VOLATILE COMPOUNDS																
1V. Acrolein (107-02-8)	☒	☐	☐	<20	<22					1	ug/l	lbs/day	<20	<22	1	
2V. Acrylonitrile (107-13-1)	☒	☐	☐	<20	<22					1	ug/l	lbs/day	<20	<22	1	

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
3V. Benzene (71-43-2)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
4V. Bis (Chloromethyl) Ether (542-88-1)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
5V. Bromoform (75-25-2)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
6V. Carbon Tetrachloride (56-23-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
7V Chlorobenzene (108-90-7)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
8V. Chlorodi- bromomethane (124-8-1)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
9V. Chloroethane (74-00-3)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
11V. Chloroform (67-86-3)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
12V. Dichloro- bromomethane (75-24-4)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
13V. Dichloro- difluoromethane (75-71-8)	☐	☐	☐												
14V. 1,1-Dichloroethane (75-34-3)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
15V. 1,2-Dichloroethane (107-06-2)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
16V. 1,1-Dichloroethylene (75-35-4)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
17V. 1,2,-Dichloropropane (78-87-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
18V. 1,3-Dichloropropylene (542-75-6)	☒	☐	☐	<2.0	<2.2					1	ug/l	lbs/day	<2.0	<2.2	1
19V. Ethylbenzene (100-41-4)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
20V. Methyl Bromide (74-83-9)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
21V. Methyl Chloride (74-87-3)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
22V. Methylene Chloride (74-98-2)	☒	☐	☐	<5.0	<5.4					1	ug/l	lbs/day	<5.0	<5.4	1
23V. 1,1,2,2-Tetra- chloroethane (79-34-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
24V. Tetrachloroethylene (127-18-4)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1

Facility ID. Number: FL0002283 Outfall No. D-01

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent								4. Units		5. Intake (optional)		
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses	
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass		
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)																
25V. Toluene (108-88-3)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
26V. 1,2-Trans-Dichloroethylene (156-60-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
27V. 1,1,2-Trichloroethane (71-55-6)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
28V. 1,1,2-Trichloroethane (79-00-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
29V. Trichloroethylene (79-01-6)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
30V. Trichloro-fluoromethane (75-69-4)	☐	☐	☐													
31V. Vinyl Chloride (75-01-4)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
GC/MS FRACTION - AROMATIC COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1	
2A. 2,4-Dichlorophenol (120-83-2)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1	
3A. 2,4-Dimethylphenol (105-67-9)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1	
4A. 4,6-Dinitro-O-Cresol (534-53-1)	☒	☐	☐	<50	<54					1	ug/l	lbs/day	<50	<54	1	
5A. 2,4-Dinitrophenol (51-28-5)	☒	☐	☐	<50	<54					1	ug/l	lbs/day	<50	<54	1	
6A. 2-Nitrophenol (88-75-5)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1	
7A. 4-Nitrophenol (100-02-7)	☒	☐	☐	<50	<54					1	ug/l	lbs/day	<50	<54	1	
8A P-Chloro-M-Cresol (59-50-7)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1	
9A Pentachlorophenol (87-86-5)	☒	☐	☐	<2.1	<2.3					1	ug/l	lbs/day	<2.1	<2.3	1	
10A Phenol (108-95-2)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1	
11A 2,4,5-Trichloro-phenol (88-06-2)	☒	☐	☐	<2.4	<2.6					1	ug/l	lbs/day	<2.4	<2.6	1	
GC/MS FRACTION - POLYCYCLIC COMPOUNDS																
1B. Acenaphthene (63-32-9)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1	
2B. Acenaphthylene (208-96-8)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1	
3B. Anthracene (120-12-7)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1	
4B. Benzidine (92-87-5)	☒	☐	☐	<80	<86					1	ug/l	lbs/day	<80	<86	1	

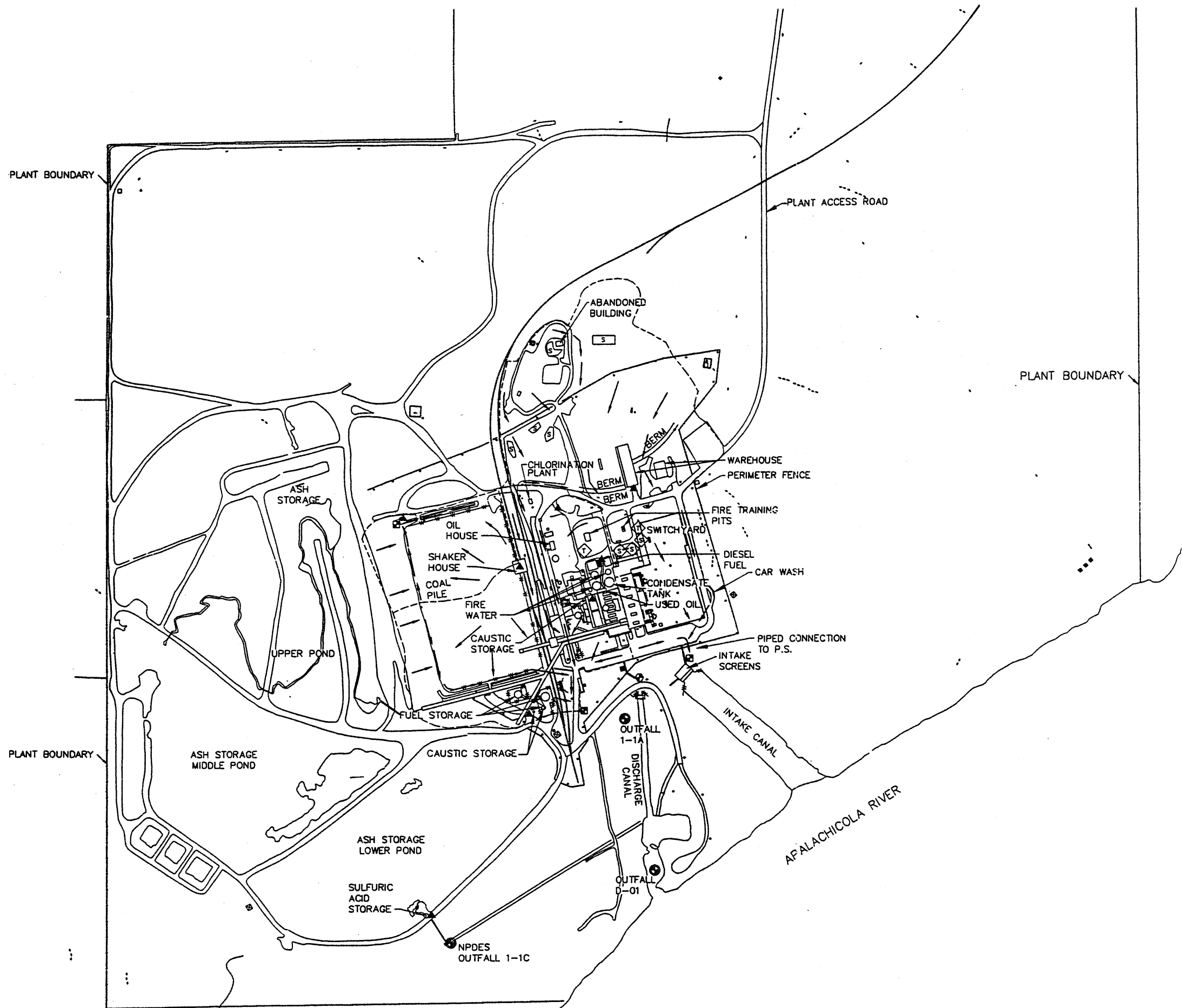
1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent								4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses		a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass					(1) Conc.	(2) Mass	
5B. Benzo (a) Anthracene (56-55-3)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
6B. Benzo (a) Pyrene (50-32-8)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
7B. 3,4-Benzo-fluoranthene (205-99-2)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
8B. Benzo (ghi) Perylene (191-24-2)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
9B. Benzo (k) Fluoranthene (207-08-9)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
11B. Bis (2-chloroethyl) Ether (111-44-4)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
15B Butyl Benzyl Phthalate (84-68-7)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
16B. 2-Chloronaphthalene (91-58-7)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
18B. Chrysene (218-01-9)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	☒	☐	☐	<0.20	<.22					1		ug/l	lbs/day	<0.20	<.22	1
20B. 1,2-Dichlorobenzene (95-50-1)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
21B. 1,3-Dichlorobenzene (541-73-1)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
22B. 1,4-Dichlorobenzene (106-46-7)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
23B. 3,3'-Dichlorobenzidine (92-94-1)	☒	☐	☐	<20	<22					1		ug/l	lbs/day	<20	<22	1
24B. Diethyl Phthalate (84-66-2)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
25B. Dimethyl Phthalate (131-11-3)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
26B. Di-N-Butyl Phthalate (84-74-2)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
27B. 2,4-Dinitrotoluene (121-14-2)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1
28B. 2,6-Dinitrotoluene (606-20-2)	☒	☐	☐	<10	<11					1		ug/l	lbs/day	<10	<11	1

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						d. No. of Analyses	4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)			a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
29B. Di-N-Octyl Phthalate (117-84-0)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
31B. Fluoranthene (206-44-0)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1
32B. Fluorene (86-73-7)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1
33B. Hexachlorobenzene (118-74-1)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
34B. Hexachlorobutadiene (87-68-3)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
35B. Hexachlorocyclopentadiene (77-47-4)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
36B. Hexachloroethane (67-72-1)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1
38B. Isophorone (78-59-1)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
39B. Naphthalene (91-20-3)	☒	☐	☐	0.22	.24					1	ug/l	lbs/day	<0.20	<.22	1
40B. Nitrobenzene (98-95-9)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
41B N-Nitrosodimethylamine (62-75-9)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
42B. N-Nitrosodi-N-Propylamine (621-64-7)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
43B. N-Nitro-sodiphenylamine (86-30-6)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
44B Phenanthrene (85-01-8)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1
45B. Pyrene (129-00-0)	☒	☐	☐	<0.20	<.22					1	ug/l	lbs/day	<0.20	<.22	1
46B. 1,2,4-Trichlorobenzene (120-82-1)	☒	☐	☐	<10	<11					1	ug/l	lbs/day	<10	<11	1
1P. Aldrin (309-00-2)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<.054	1
2P. -BHC (319-84-6)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<.054	1
3P -BHC (319-85-7)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<.054	1
4P. -BHC (58-89-9)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<.054	1
5P. -BHC (319-86-8)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<.054	1

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
6P. Chlordane (57-74-9)	☒	☐	☐	<0.50	<0.54					1	ug/l	lbs/day	<0.50	<0.54	1
7P. 4,4'-DDT (50-29-3)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
8P. 4,4'-DDE (72-55-9)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
9P. 4,4'-DDD (72-54-8)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
10P. Dieldrin (60-57-1)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
11P. -Endosulfan (115-29-7)	☒	☐	☐	<0.050	<.054					1	ug/l	lbs/day	<0.050	<0.054	1
12P. -Endosulfan (115-29-7)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
13P. Endosulfan Sulfate (1031-07-8)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
14P. Endrin (72-20-8)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
15P. Endrin Aldehyde (7421-92-4)	☒	☐	☐	<0.10	<.11					1	ug/l	lbs/day	<0.10	<.11	1
16P. Heptachlor (76-44-8)	☒	☐	☐	<0.050	<0.054					1	ug/l	lbs/day	<0.050	<0.054	1
17P. Heptachlor Epoxide (1024-57-3)	☒	☐	☐	<0.050	<0.054					1	ug/l	lbs/day	<0.050	<0.054	1
18P. PCB-1242 (53469-21-9)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
19P. PCB-1254 (11097-69-1)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
20P. PCB-1221 (11104-28-2)	☒	☐	☐	<2.0	<2.2					1	ug/l	lbs/day	<2.0	<2.2	1
21P. PCB-1232 (11141-16-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
22P. PCB-1248 (12672-29-6)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
23P. PCB-1260 (11096-82-5)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
24P. PCB-1016 (12674-11-2)	☒	☐	☐	<1.0	<1.1					1	ug/l	lbs/day	<1.0	<1.1	1
25P. Toxaphene (8001-35-2)	☒	☐	☐	<5.0	<5.4					1	ug/l	lbs/day	<5.0	<5.4	1

SECTION III-F (page 2CS-17): Identify and describe the flow of effluent from each outfall to a major body of water. A suitably marked map or aerial photograph may be used.

See attached map for outfall locations. The facility's combined plant discharge (Outfall D-01), which consists of once-through cooling water and ash pond overflow, is discharged to the Appalachicola River via a man-made, 850-foot long canal. Ash pond overflow (Outfall I-1C) consists of ash sluice water, building sumps (including water softener regeneration wastewater, boiler blowdown, auxiliary equipment cooling water, and air preheater wash water), coal pile runoff, yard sumps, and treated domestic wastewater. Treated domestic wastewater enters the ash pond (Outfall I-1A) following secondary treatment via the facility's package wastewater treatment plant.

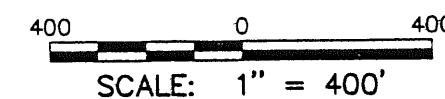


Legend

- Drainage Basin Boundary
- Surface Drainage
- Pump Station to Ash Pond
- Sanitary STP
- ▲ Loading/Unloading
- ◇ Trash Dumpster
- ◇ Scrap Metal Dumpster
- Scrap Metal Storage
- NPDES Process Outfall
- ▨ Pavement
- Wall
- Fence
- ◇ Transmission Towers
- Power Poles
- Rail Spur
- Stormwater Sump

Source:

Southern Company Services, Inc. Drawing #5 E-32105
Prepared for Gulf Power Company.



2	02/25	Revised test heights		ees	
Rev. No.	Date	Revision	Drawn	App'd.	
Gulf Power Company					
Plant Scholz					
Site Map					
Sneads, Florida					
 Gulf Coast Environmental & Engineering			Drawn:	ees	
			Checked:		
			Approved:		
			Date:	01/20/00	
			Dwg. No.:	site2	
Figure 2					

**GULF POWER COMPANY- PLANT SCHOLZ
NPDES PERMIT FL0002283**

**FORM 2CS
ITEM IV A
FACILITY WATER FLOW DIAGRAMS**

FIGURE 1. PLANT SCHOLZ SCHEMATIC CLEAR WATER FLOW DIAGRAM

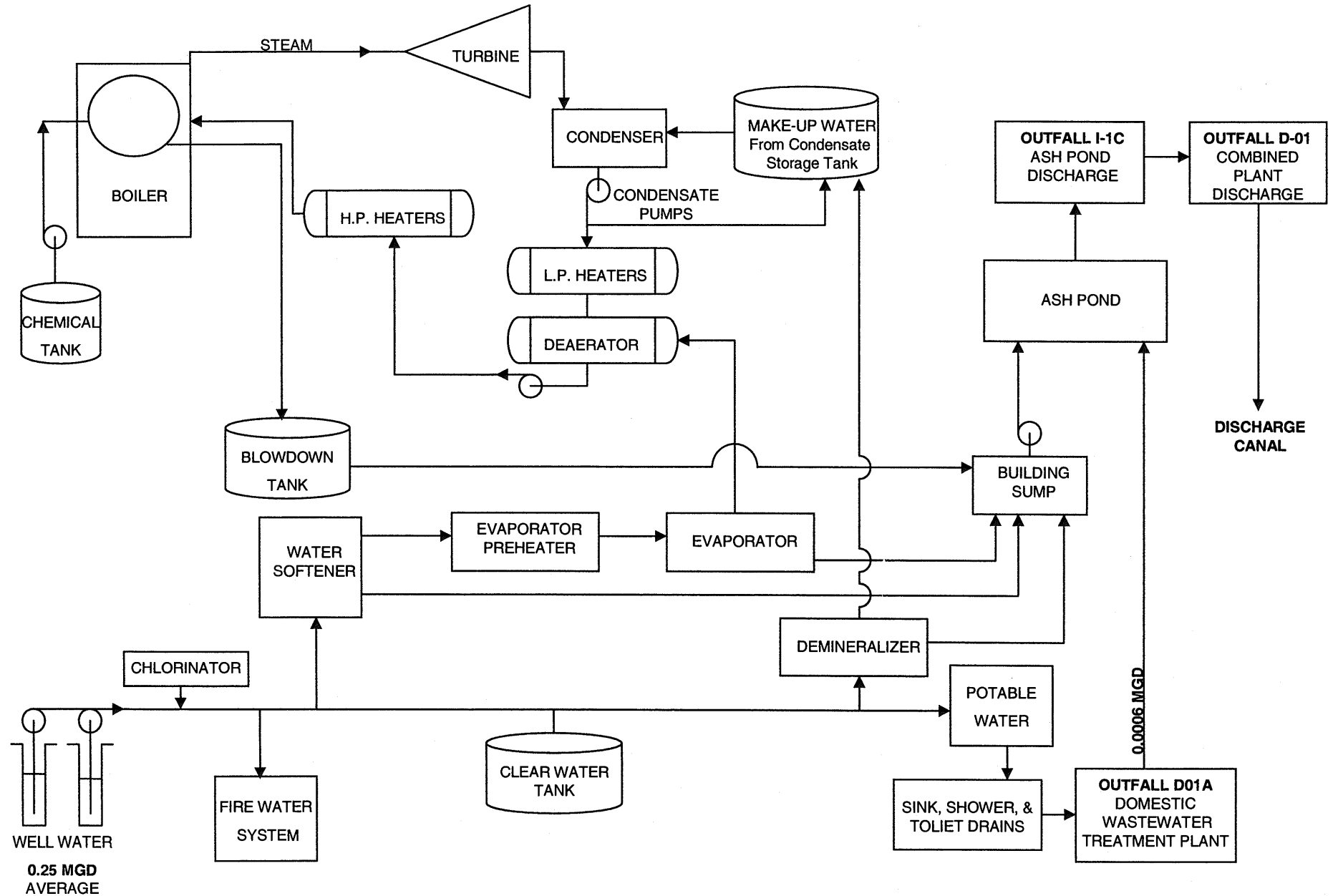
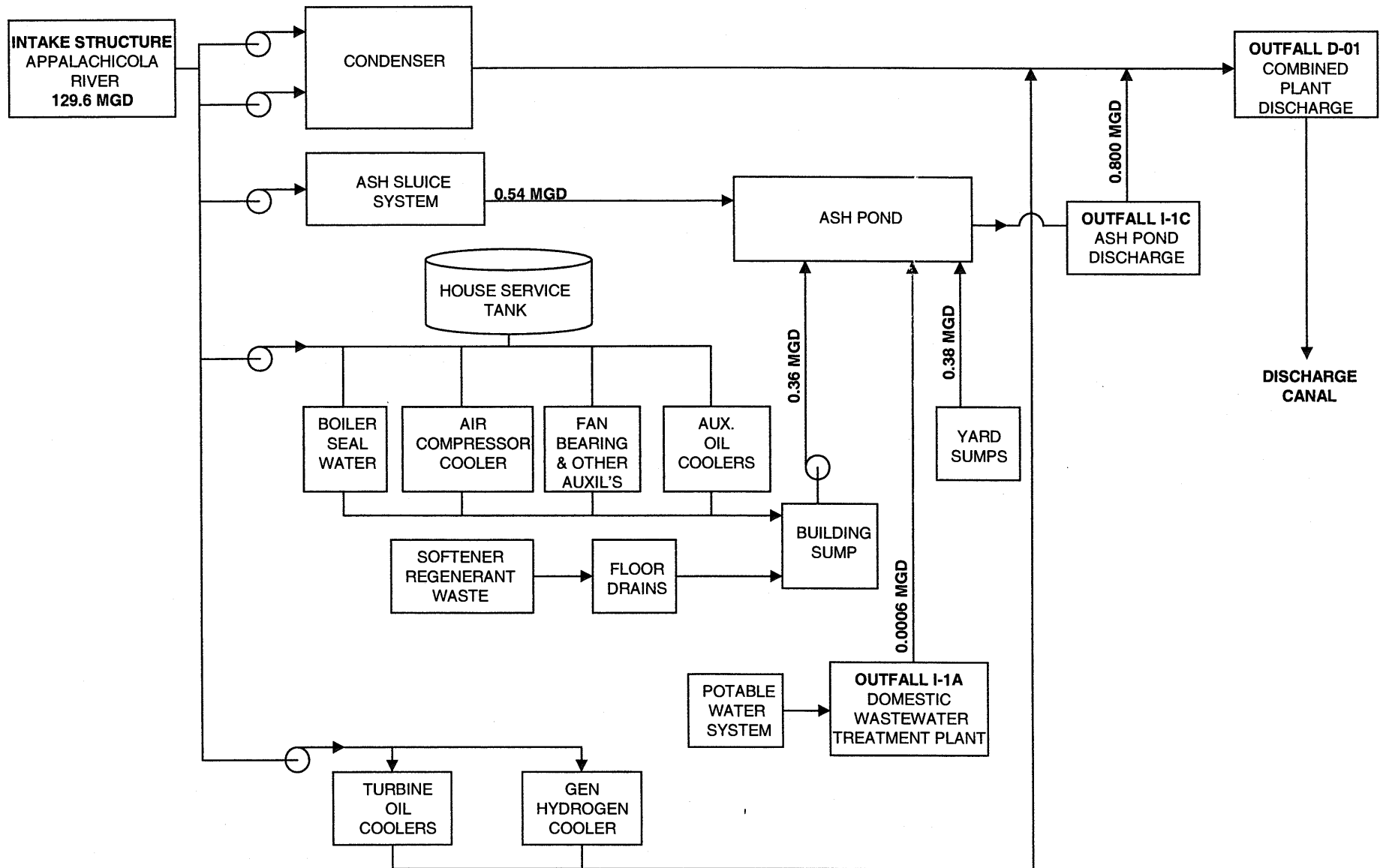


FIGURE 2. PLANT SCHOLZ RIVER WATER FLOW DIAGRAM



SECTION IV-D (page 2CS-19): Describe practices to be followed to ensure adequate wastewater treatment during emergencies such as power loss and equipment failures causing shutdown of pollution abatement equipment of the proposed/permited facilities.

Back up pumps are available for facility sumps. Question is not applicable for wastewater flows entering ash pond where the method of treatment is sedimentation.

SECTION IV-E (page 2CS-19). List the method(s) and location(s) of flow measurement.

Once-through cooling water flow is calculated using intake pumps logs. Ash pond overflow (Outfall I-1C) is calculated using the v-notch weir located at the ash pond discharge weir. Domestic wastewater treatment plant effluent (Outfall I-1A) is measured at the wastewater treatment outlet box via flow meter.



WASTEWATER APPLICATION FORM 2CG

PERMIT TO DISCHARGE PROCESS WASTEWATER
FROM NEW OR EXISTING
INDUSTRIAL WASTEWATER FACILITIES
TO GROUND WATER

2CG-1

INSTRUCTIONS - FORM 2CG

This form must be completed by all applicants who check "yes" to Item II-D in DEP Form 62-620.910(1) (Form 1).

Public Availability of Submitted Information.

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. This information will be made available to the public upon request. Any information you submit to the Department which goes beyond that required by this form or Form 1 you may claim as confidential, but claims for information which is effluent data will be denied. 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. Claims of confidentiality must be in accordance with Rule 62-620.302, Florida Administrative Code.

Completeness

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter "NA" (for "not applicable") to show that you considered the question. Also, you may need a Ground Water Monitoring Plan (GWMP) required by Rule 62-522.600, Florida Administrative Code. Please contact the Department for more information.

Follow-up Requirements (for New or Substantially Modified Facilities)

Although you are now required to submit estimated data on this form, please note that no later than six months after you begin discharging from the proposed or substantially modified facility, you must complete and submit items V and VI of this Form 2CG. However, you need not complete those portions of Item V requiring test which you have already performed under the discharge monitoring requirements of your permit.

Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

DEP ID Number

If you are applying for a renewal of an existing permit or for a substantial revision to an existing permit, fill in your DEP Identification Number at the top of each page of Form 2CG. You may copy this number directly from Item 1 of Form 1. If you are applying for a permit for a proposed facility, leave the DEP Identification Number blank. The Department will assign a number.

Item I

You may use the map you provided for Item XI of Form 1 to determine the latitude and longitude of each of your discharge locations.

Item II

Describe any land application of effluent.

Item III

A. The line drawing should show generally the route taken by water in your facility from intake to discharge. Show all operations contributing wastewater, including process and production areas, sanitary flows, cooling water, and stormwater runoff. You may group similar operations into a single unit, labeled to correspond to the more detailed listing in Item III B. The water balance should show average flows. Show all significant losses of water to products, atmosphere, and discharge. You should use actual measurements whenever available; otherwise, use your best estimate.

B. List all sources of wastewater to each discharge point. Operations may be described in general terms (for example, "dye-making reactor" or "distillation tower"). You may estimate the flow contributed by each source if no data are available. For stormwater discharges you may estimate the average flow, but you must indicate the rainfall event upon which the estimate is based and the method of estimation. For each treatment unit, indicate its size, flow rate, and retention time, and describe the ultimate disposal of any solid or liquid wastes not discharged. Treatment units should be listed in order and you should select the proper code from Table 2CG-1 to fill in column 3-b for each treatment unit. Insert "XX" into column 3-b if no code corresponds to a treatment unit you list.

C. A discharge is intermittent unless it occurs without interruption during the operating hours of the facility, except for infrequent shut-downs for maintenance, process changes, or other similar activities. A discharge is seasonal if it occurs only during certain parts of the year. Fill in every applicable column in this item for each source of intermittent or seasonal discharges. Base your answers on actual data whenever available; otherwise, provide your best estimate. Report the highest daily value for flow rate and total volume in the "Max. Daily" columns (columns 4-a and 4-b). Report the average of all daily values measured during days when the discharge occurred within the last year in the "Long Term Avg." columns (columns 4-a and 4-b).

Item IV

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.

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 V (A, B, C, and D, including Tables V-A, V-B, and V-C)

This item requires you to collect and report data on the pollutants discharged from each of your discharge points. 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

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants, you may be required to mark "X" in the "Testing Required" column (*column 2-a, Part C*), and test (*sample and analyze*) and report the levels of the pollutants in your discharge whether or not you expect them to be present in your discharge. For all other, you must mark "X" in either the "Believe Present" column or the "Believe Absent" column (*columns 2-a or 2-b, Part B, and Columns 2-b or 2-c, Part C*) based on your best estimate, and test for those which you believe to be present. (*See specific instructions on the form and below for Parts A through D.*) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, maintenance chemicals, intermediate and final products and by-products, and any previous analyses known to you of your effluent or similar effluent. (*For example, if you manufacture pesticides, you should expect those pesticides to be present in contaminated stormwater runoff.*) If you would expect a pollutant to be present solely as a result of its presence in your intake water, you must mark "Believe Present" but you are not required to analyze for that pollutant. Instead, mark an "X" in the "Intake" column.

A. Reporting

All levels must be reported as concentration and as total mass. You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages V-1 to V-10 if the separate sheets contain all the required information in a format which is consistent with pages V-1 to V-10 in spacing and in identification of pollutants and columns. (*For example, the data systems used in your GC/MS analysis may be able to print data in the proper format.*) Use the following abbreviations in the columns headed "Units" (*column 3, Part A, and Column 4, Parts B and C*).

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

Mass
lbs - pounds
ton - tons (English tons)
mg - milligrams
g - grams
kg - kilograms
T - tonnes (metric tons)

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 (e.g., hexavalent chromium). If you measure only one daily value, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column (*columns 2-a and 2-d, Part A, and column 3-a, 3-d, Parts B and C*). The Department may require you to conduct additional analyses to further characterize your discharges. For composite sample, the daily value is the total mass or average concentration found in a composite sample taken over the operating hours of the facility during a 24-hour period; for grab samples, the daily value is the arithmetic or flow-weighted total mass or average concentration found in a series of at least four grab samples taken over the operating hours of the facility during a 24-hour period. If you measure more than one daily value for a pollutant and those values are representative of your waste stream, 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 "Long Term Avg. Values" columns (*column 2-c, Part A, and column 3-c, Parts B and C*), and the total number of daily values under the "Number of Analyses" columns (*column 2-d, Part A, and columns 3-d, Parts B and C*). Also determine the average of all daily values taken during each calendar month, and report the highest average under the "Max. 30-day Values" columns (*column 2-c, Part A, and column 3-b, Parts B and C*).

B. Sampling

The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater. 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 of your normal operation, to the extent feasible, with all processes which contribute wastewater in normal operation, and with 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. Sampling for metals that are hardness-dependent shall also include sampling for hardness.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples must be used. For all other pollutants 24-hour composite samples must be used. 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. For stormwater discharges a minimum of one to four grab samples may be taken, depending on the duration of the discharge. One grab must be taken in the first hour (*or less*) of discharge, with one additional grab (*up to a minimum of four*) taken in each succeeding hour of discharge for discharges lasting four or more hours. The Department may waive composite sampling for any discharge point for which you demonstrate that use of an automatic sampler is infeasible and that a minimum of four grab samples will be representative of your discharge.

Grab and composite samples¹ are defined as follows:

Grab sample: An individual sample or at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

Composite sample: A combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period. 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. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. Four (4) (*rather than eight*) aliquots or grab samples should be collected for VOA. These four samples should be collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. Only one analysis is required.

Data from samples taken in the past may be used if all data requirements are met; sampling was done no more than three years before submission; and all data are representative of the present discharge. Among the factors which would cause the data to be unrepresentative are significant changes in production level; changes in raw materials, processes, or final products; and changes in wastewater treatment. When EPA promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. The Department may promulgate new methods in Chapter 160, Florida Administrative Code, with the date when the new methods are to be used. Always be sure you have current copies of these two documents before you take samples or submit sampling data to the Department. If you have submitted data from past sampling, the Department may request additional information, including current quantitative data, if it is determined to be necessary to assess your discharges.

C. Analysis

You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge if 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 discharge points, you may request permission from the Department to sample and analyze only one point and submit the results of the analysis for other substantially identical points. If your request is granted by the Department, or a separate sheet attached to the application form identify which point you did test, and describe why the other points you did not test are substantially identical to the point which you did test.

D. Reporting of Intake Data

You are not required to report data under the "Intake" columns unless you wish to demonstrate your eligibility for a "net" effluent limitation for one or more pollutants, that is, an effluent limitation adjusted by subtracting the average level of the pollutant(s) present in your intake water. To demonstrate your eligibility, under the "Intake" columns report the average of the results of analyses on your intake water (*If your water is treated before use, test the water after it is treated.*), and discuss the requirements for a new limitation with the appropriate district office.

¹ Sampling requirements are periodically reviewed in light of recent research on testing methods. Upon completion of the review, changes to sampling requirements may be made. Before starting any required sampling or submitting past sampling to the Department, be sure that you have a current copy of 40 CFR Part 136 or Chapter 62-160, Florida Administrative Code.

Part V-A

Part V-A must be completed by all applicants for all discharge points including discharges of non-contact cooling water or storm runoff. However, at your request, the Department may waive the requirement to test for one or more of these pollutants, upon a determination that available information is adequate to support issuance of the permit with less stringent reporting requirements for these pollutants. Use composite samples for all pollutants in this Part, except use grab samples for pH and temperature. See the discussion in General Instructions to item V for definitions of the columns in Part A. The "Long Term Avg. Values" column (*column 2-c*) and "Max. 30-day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

Part V-B

Part V-B must be completed by all applicants for all discharge points, including points containing only non-contact cooling water or storm runoff. You must report quantitative data if the pollutant(s) in question is limited in an effluent limitation either directly or indirectly but expressly through a limitation on an indicator (*e.g., use of TSS as an indicator to control the discharge of iron and aluminum*). For other discharged pollutants you must provide quantitative data or explain their presence in your discharge. The Department will consider a request to eliminate the requirement to test for pollutants for an industrial category or subcategory. Your request must be supported by data representative of the industrial category or subcategory in question. The data must demonstrate that individual testing for each applicant is unnecessary, because the facilities in the category or subcategory discharge substantially identical levels of the pollutant or discharge the pollutant uniformly at sufficiently low levels. Use composite samples for all pollutants you analyze for in this part, except use grab samples for residual chlorine, oil and grease, and fecal coliform. The "Long Term Avg. Values" column (*column 2-c*) and "Max. 30-day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

Part V-C

Table 2CG-2 at the end of these instructions lists 34 primary industry categories. For each discharge point, if any of your processes which contribute wastewater falls into one of those categories, you must mark "X" in "Testing Required" column (*column 2-a*) and test for (1) all of the toxic metals, cyanide, and total phenols; and (2) the organic toxic pollutants contained in Table 2CG-3 as applicable to your category. The organic toxic pollutants are listed by GC/MS fractions on pages V-4 to V-10 in Part V-C. The inclusion of total phenols in Part V-C is not intended to classify total phenols as a toxic pollutant. When you determine which industry category you are in to find your testing requirements, you are not determining your category for any other purpose and you are not giving up your right to challenge your inclusion in that category before your permit is issued. For all other cases (*secondary industries, non-process wastewater discharge points, and GC/MS fractions that are not required*), you must mark "X" in either the "Believed Present" column or the "Believed Absent" column for each pollutant.

You must report quantitative data as follows:

For every pollutant you know or have reason to believe is present in your discharge in concentrations of 10 ppb or greater;

For acrolein; acrylonitrile; 2,4 dinitrophenol; and 2-methyl-4,6 dinitrophenol where you expect these four pollutants to be discharged in concentrations of 100 ppb or greater; and

For every pollutant expected to be discharged in concentrations less than the thresholds specified above. For pollutants in this last category, in lieu of quantitative data, you may briefly describe the reasons the pollutant is expected to be discharged.

You are required to mark "Testing Required" for dioxin if you use or manufacture one of the following compounds:

- (a) 2,4,5-trichlorophenoxy acetic acid, (2,4,5-T);

- (b) 2-(2,4,5-trichlorophenoxy) propanoic acid, (Silvex, 2,4,5-TP);
- (c) 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate, (Erbon);
- (d) 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate, (Ronnel);
- (e) 2,4,5-trichlorophenol, (TCP); or
- (f) hexachlorophene, (HCP).

If you mark "testing Required" or "Believed Present," you must perform a screening analysis for dioxins, using gas chromatography with an electron capture detector. A TCDD standard for quantitation is not required. Describe the results of this analysis in the space provided: for example, "no measurable baseline deflection at the retention time of TCDD" or "a measurable peak within the tolerances of the retention time of TCDD." The Department may require you to perform a quantitative analysis if you report a quantitative analysis if you report a positive result.

Part V-D

List any pollutants in Table 2CG-3 that you believe to be present and explain why you believe them to be present. No analysis is required, but if you have analytical data, you must report it. Table 2CG-4 lists certain hazardous substances which may be exempt from reporting requirements contained in section 311 of the Clean Water Act. If you discharge any of these substances, please contact the Department for further information.

Item VI

This requirement applies to current use or manufacture of a toxic pollutant as an intermediate or final product or by-product. 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 VII

This item is self explanatory.

Item VIII

There are severe penalties for submitting false information on this application form. Chapter 62-620, Florida Administrative Code, requires, in addition to the certification provided by a professional engineer, a certification from the owner or responsible authority of the facility as follows:

A. For a corporation: by a responsible corporate official. For purposes of this section, a responsible corporate official means (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities employing more than 250 person or have gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

B. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

C. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. A principal executive officer includes the chief executive officer of the agency or a senior executive officer having the responsibility for the overall operations of a principal geographic unit of the agency, for example, a regional or district administrator.

**TABLE 2CG-1
CODES FOR TREATMENT UNITS**

PHYSICAL TREATMENT PROCESSES			
1-A	Ammonia Strippin	1-N	Microstraining
2-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	Rapid Sand Filtration
1-F	Evaporation	1-S	Reverse Osmosis (Hyperfiltration)
1-G	Flocculation	1-T	Screening
1-H	Flotation	1-U	Sedimentation (Settling)
1-I	Foam Fractionation	1-V	Slow Sand Filtration
1-J	Freezing	1-W	Solvent Extraction
1-K	Gas-Phase Separation	1-X	Sorption
1-L	Grinding (Comminutors)	1-Y	Percolation Pond
1-M	Grit Removal		
CHEMICAL TREATMENT PROCESSES			
2-A	Carbon Adsorption	2-G	Disinfection (<i>Ozone</i>)
2-B	Chemical Oxidation	2-H	Disinfection (<i>Other</i>)
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection (<i>Chlorine</i>)	2-L	Reduction
BIOLOGICAL TREATMENT PROCESSES			
3-A	Activated Slludge	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 Filter
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

Table 2CG-1, Codes for Treatment Units Contd.

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

TABLE 2CG-2
TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS INDUSTRY CATEGORY

INDUSTRY CATEGORY	GC/MS FRACTION ²			
	Volatile	Acid	Base/Neutral	Pesticide
Adhesives and sealants	X	X	X	
Aluminum forming	X	X	X	
auto and other laundries	X	X	X	X
Battery manufacturing	X		X	
Coal mining	X	X	X	X
Coil coating	X	X	X	
Copper forming	X	X	X	
Electric and electronic compounds	X	X	X	X
Electroplating	X	X	X	
Explosives manufacturing		X	X	
Foundries	X	X	X	
Gum and wood chemicals	X	X	X	X
Inorganic chemicals manufacturing	X	X	X	
Iron and steel manufacturing	X	X	X	
Leather tanning and finishing	X	X	X	X
Mechanical products manufacturing	X	X	X	
Nonferrous metals manufacturing	X	X	X	X

² The pollutants in each fraction are listed in Item V-C
X - Testing required.

Table 2CG-2, Testing Requirements for Organic Toxic Pollutants Industry Category, contd.

INDUSTRY CATEGORY	GC/MS FRACTION ³			
	Volatile	Acid	Base/Neutral	Pesticide
Ore mining	X	X	X	X
Organic chemicals manufacturing	X	X	X	X
Paint and ink formulation	X	X	X	X
Pesticides	X	X	X	X
Petroleum refining	X	X	X	X
Pharmaceutical preparations	X	X	X	
Photographic equipment and supplies	X	X	X	X
Plastic and synthetic materials manufacturing	X	X	X	X
Plastic processing	X			
Porcelain enameling	X		X	X
Printing and publishing	X	X	X	X
Pulp and paperboard mills	X	X	X	X
Rubber processing	X	X	X	
Soap and detergent manufacturing	X	X	X	
Steam electric power plants	X	X	X	
Textile mills	X	X	X	X
Timber products processing	X	X	X	X

¹The pollutants in each fraction are listed in Item V-C
X = Testing required.

³ The pollutants in each fraction are listed in Item V-C.
X + Testing required.

TABLE 2CG-3
TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES REQUIRED TO BE IDENTIFIED
BY APPLICANTS IF EXPECTED TO BE PRESENT

<u>Toxic Pollutant</u>	<u>Hazardous Substances</u>	<u>Hazardous Substances</u>
Asbestos	2,2 Dichloropropionic acid	Monomethyl amine
	Dichlorvos	Naled
<u>Hazardous Substances</u>	Diethyl amine	Naphthenic acid
Acetaldehyde	Dimethyl amine	Nitrotoluene
Allyl alcohol	Dinitrobenzene	Parathion
Allylchloride	Diquat	Phenolsulfonate
Amyl acetate	Disulfoton	Phosgene
Aniline	Diuron	Propargite
Benzonitrile	Epichlorohydrin	Propylene oxide
Benzyl chloride	Ethion	Pyrethrins
Butyl acetate	Ethylene diamine	Quinoline
Butylamine	Formaldehyde	Resorcinol
Captan	Furfural	Strontium
Carbaryl	Guthion	Strychnine
	Isoprene	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Carbofuran	Isopropanolamine dodecylbenzenesulfonate	TDE (Terochlorodiphenyl ethane)
Carbon disulfide	Kelthane	2,4,5-TP [2-(2,4,5-Trichlorophenosyl) pro-panic acid]
Chlpyrifos	Kepone	Trichlorofon
Coumpahos	Malathion	Triethanolamine
Cresol	Mercaptodimethur	dodecylbenzenesulfonate
Crotonaldehyde	Methoxychlor	Triethylamine
Cyclohexane	Methyl mercaptan	Uranium
2,4-D (2,4-Dichlorophenoxyacetic acid)	Methyl methacrylate	Vanadium
Diazinon	Methyl parathion	Vinyl acetate
Dicamba	Mevinphos	Xylene
Dichlobenil	Mexacarbate	Xylenol
Dichlone	Monoethyl amine	Zirconium

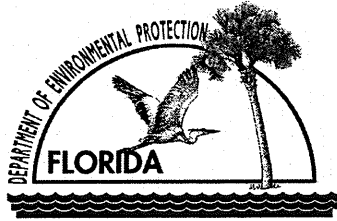
**TABLE 2CG-4
HAZARDOUS SUBSTANCES**

1. Acetaldehyde	64. Cadmium bromide	126. Dodecylbenzenesulfonic acid
2. Acetic acid	65. Cadmium chloride	127. Endosulfan
3. Acetic anhydride	66. Calcium arsenate	128. Endrin
4. Acetone cyanohydrin	67. Calcium arsenite	129. Epichlorohydrin
5. Acetyl bromide	68. Calcium carbide	130. Ethion
6. Acetyl chloride	69. Calcium chromate	131. Ethylbenzene
7. Acrolein	70. Calcium cyanide	132. Ethylenediamine
8. Acrylonitrile	71. Calcium dodecylbenzenesulfonate	133. Ethylene dibromide
9. Adipic acid	72. Calcium hypochlorite	134. Ethylene dichloride
10. Aldrin	73. Captan	135. Ethylene Diaminetetracetic acid (EDTA)
11. Allyl alcohol	74. Carbaryl	136. Ferric ammonium citrate
12. Allyl chloride	75. Carbofuran	137. Ferric ammonium oxalate
13. Aluminum sulfate	76. Carbon disulfide	138. Ferric chloride
14. Ammonia	77. Carbon tetrachloride	139. Ferric fluoride
15. Ammonium acetate	78. Chlordane	140. Ferric nitrate
16. Ammonium benzoate	79. Chlorine	141. Ferric sulfate
17. Ammonium bicarbonate	80. Chlorobenzene	142. Ferrous ammonium sulfate
18. Ammonium bichromate	81. Chloroform	143. Ferrous chloride
19. Ammonium bifluoride	82. Chloropyrifos	144. Ferrous sulfate
20. Ammonium bisulfite	83. Chlorosulfonic acid	145. Formaldehyde
21. Ammonium carbamate	84. Chromic acetate	146. Formic acid
22. Ammonium carbonate	85. Chromic acid	147. Fumaric acid
23. Ammonium chloride	86. Chromic sulfate	148. Furfural
24. Ammonium chromate	87. Chromous chloride	149. Guthion
25. Ammonium citrate	88. Cobaltous bromide	150. Heptachlor
26. Ammonium fluoroborate	89. Cobaltous formate	151. Hexachlorocyclopentadiene
27. Ammonium fluoride	90. Cobaltous sulfamate	152. Hydrochloric acid
28. Ammonium hydroxide	91. Coumaphos	153. Hydrofluoric acid
29. Ammonium oxalate	92. Cresol	154. Hydrogen cyanide
30. Ammonium silicofluoride	93. Crotonaldehyde	155. Hydrogen sulfide
31. Ammonium sulfamate	94. Cupric acetate	156. Isoprene
32. Ammonium sulfide	95. Cupric acetoarsenite	157. Isopropanolamine dodecylbenzenesulfonate
33. Ammonium sulfite	96. Cupric chloride	158. Kelthane
34. Ammonium tartrate	97. Cupric nitrate	159. Kepone
35. Ammonium thiocyanate	98. Cupric oxalate	160. Lead acetate
36. Ammonium thiosulfate	99. Cupric sulfate	161. Lead arsenate
37. Amyl acetate	100. Cupric sulfate ammoniated	162. Lead chloride
38. Aniline	101. Cupric tartrate	163. Lead fluoborate
39. Antimony pentachloride	102. Cyanogen chloride	164. Lead fluoride
40. Antimony potassium tartrate	103. Cyclohexane	165. Lead iodide
41. Antimony tribromide	104. 2,4-D acid (2,4-Dichlorophenoxyacetic acid)	166. Lead nitrate
42. Antimony trichloride	105. 2,4-D esters (2,4-Dichlorophenoxyacetic acid esters)	167. Lead stearate
43. Antimony trifluoride		168. Lead sulfate
44. Antimony trioxide	106. DDT	169. Lead sulfide
45. Arsenic disulfide	107. Diazinon	170. Lead thiocyanate
46. Arsenic pentoxide	108. Dicamba	171. Lindane
47. Arsenic trichloride	109. Dichlobenil	172. Lithium chromate
48. Arsenic trioxide	110. Dichlone	173. Malathion
49. Arsenic trisulfide	111. Dichlorobenzene	174. Maleic acid
50. Barium cyanide	112. Dichloropropane	175. Maleic anhydride
51. Benzene	113. Dichloropropene	176. Mercaptodimethur
52. Benzoic acid	114. Dichloropropene-Dichloropropane mix	177. Mercuric cyanide
53. Benzonitrile	115. 2,2-Dichloropropionic acid	178. Mercuric nitrate
54. Benzoyl chloride	116. Dichlorvos	179. Mercuric sulfate
55. Benzyl chloride	117. Dieldrin	180. Mercuric thiocyanate
56. Beryllium chloride	118. Diethylamine	181. Mercurous nitrate
57. Beryllium fluoride	119. Dimethylamine	182. Methoxychlor
58. Beryllium nitrate	120. Dinitrobenzene	183. Methyl mercaptan
59. Butylacetate	121. Dinitrophenol	184. Methyl methacrylate
60. n-Butylphthalate	122. Dinitrotoluene	185. Methyl parathion
61. Butylamine	123. Diquat	186. Mevinphos
62. Butyric acid	124. Disulfoton	187. Mexacarbate
63. Cadmium acetate	125. Diuron	188. Monoethylamine

189. Monomethylamine
 190. Naled
 191. Naphthalene
 192. Naphthenic acid
 193. Nickel ammonium sulfate
 194. Nickel chloride
 195. Nickel hydroxide
 196. Nickel nitrate
 197. Nickel sulfate
 198. Nitric acid
 199. Nitrobenzene
 200. Nitrogen dioxide
 201. Nitrophenil
 202. Nitrotoluene
 203. Paraformaldehyde
 204. Parathion
 205. Pentachlorophenol
 206. Phenol
 207. Phosgene
 208. Phosphoric acid
 209. Phosphorus
 210. Phosphorus oxychloride
 211. Phosphorus pentasulfide
 212. Phosphorus trichloride
 213. Polychlorinated biphenyls (PCB)
 214. Potassium arsenate
 215. Potassium arsenite
 216. Potassium bichromate
 217. Potassium chromate
 218. Potassium cyanide
 219. Potassium hydroxide
 220. Potassium permanganate
 221. Propargite
 222. Propionic acid
 223. Propionic anhydride
 224. Propylene oxide
 225. Pyrethrins
 226. Quinoline
 227. Resorcinol
 228. Selenium oxide
 229. Silver nitrate
 230. Sodium
 231. Sodium arsenate
 232. Sodium arsenite
 233. Sodium bichromate
 234. Sodium bifluoride
 235. Sodium bisulfite
 236. Sodium chromate
 237. Sodium cyanide
 238. Sodium dodecylbenzenesulfonate
 239. Sodium fluoride
 240. Sodium hydrosulfide
 241. Sodium hydroxide
 242. Sodium hypochlorite
 243. Sodium methylate

244. Sodium nitrate
 245. Sodium phosphate (dibasic)
 246. Sodium phosphate (tribasic)
 247. Sodium selenite
 248. Strontium chromate
 249. Strychnine
 250. Styrene
 251. Sulfuric acid
 252. Sulfur monochloride
 253. 2,4,5-T acid (2,4,5-Trichlorophenoxy acetic acid)
 254. 2,4,5-T amines (2,4,5-Trichlorophenoxy acetic acid amines)
 255. 2,4,5-T esters (2,4,5-Trichlorophenoxy acetic acid esters)
 256. 2,4,5-T salts (2,4,5-Trichlorophenoxy acetic acid salts)
 257. 2,4,5-TP acid (2,4,5-Trichlorophenoxy propanoic acid)
 258. 2,4,5-TP acid esters (2,4,5-Trichlorophenoxy propanoic acid esters)
 259. TDE (Tetrachlorodiphenyl ethane)
 260. Tetraethyl lead
 261. Tetraethyl pyrophosphate
 262. Thallium sulfate
 263. Toluene
 264. Toxaphene
 265. Trichlorofon
 266. Trichloroethylene
 267. Trichlorophenol
 268. Triethanolamine dodecylbenzenesulfonate
 269. Triethylamine
 270. Trimethylamine
 271. Uranyl acetate
 272. Uranyl nitrate
 273. Vanadium pentoxide
 274. Vanadyl sulfate
 275. Vinyl acetate
 276. Vinylidene chloride
 277. Xylene
 278. Xylenol
 279. Zinc acetate
 280. Zinc ammonium chloride
 281. Zinc borate
 282. Zinc bromide
 283. Zinc carbonate
 284. Zinc chloride
 285. Zinc cyanide
 286. Zinc fluoride
 287. Zinc formate
 288. Zinc hydrosulfite
 289. Zinc nitrate
 290. Zinc phenolsulfonate
 291. Zinc phosphide
 292. Zinc silcofluoride
 293. Zinc sulfate
 294. Zirconium nitrate
 295. Zirconium potassium fluoride
 296. Zirconium sulfate
 297. Zirconium tetrachloride

FORM 2CG



WASTEWATER APPLICATION FOR PERMIT TO DISCHARGE PROCESS WASTEWATER FROM NEW OR EXISTING INDUSTRIAL WASTEWATER FACILITIES TO GROUND WATER

Facility I.D. Number: FL0002283

Please print or type information in the appropriate areas.

I DISCHARGE LOCATION For each location, list the X,Y coordinates and, where applicable, the name of the land application site.

(latitude/longitude to the nearest 15 seconds)

A. Discharge Location No. (list)	B. Latitude			C. Longitude			D. Name of Land Application
	Deg.	Min.	Sec.	Deg.	Min.	Sec.	
I-1C	30	39	56	84	53	21	Ash Pond
Note:	Oufall	I-1C	is a	surface	water	discharge	

II LAND APPLICATION DESIGN

A. Discharge No.	B. Design Configuration and Construction Materials	C. Cover Crop	D. Application Rate	E. Land Application Area	F. Ground Water
NA	Groundwater zone of discharge	NA	NA	NA	NA

III FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and discharge points. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each discharge location, provide a description of:

1. All operations contributing wastewater to the effluent; including process wastewater, sanitary wastewater, cooling water, and storm water runoff;
2. The average flow contributed by each operation; and
3. The treatment received by the wastewater.

Use the space below. Continue on additional sheets, if necessary.

(1) Discharge Location No.	(2) Operation(s) Contributing Flow		(3) Treatment		
	(a) Operation (list)	(b) Avg. Flow & Units	(a) Description	(b) List Code from Table 2CG-1	
I-1C	Ash sluice water	~0.54 MGD*	Sedimentation	1-U	
	Building sumps	~0.36 MGD*	Sedimentation	1-U	
	Yard sumps/coal pile runoff	~0.38 MGD**	Sedimentation	1-U	
	Treated domestic wastewater	~.0006 MGD	Aerobic Digestion/Disinfect/Dechlo	5-A, 2-F	2-E
I-1A	Treated domestic wastewater	~.0006 MGD	Aerobic Digestion	5-A	
			Disinfection	2-F	
			Dechlorination	2-E	

* = Flow expressed as a maximum based on pump capacities.

** = Flow estimate based on average of 60" annual rainfall.

III Contd.

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (complete the following table)

☒ No (go to D. below)

(1) Outfall # (List)	(2) Operations(s) Contributing Flow (List)	(3) Frequency		(4) Flow				(c) Duration (in days)
		(a) Days per Week (specify avg.)	(b) Months per Yr. (specify avg.)	(a) Flow Rate (in mgd)		(b) Total Volume (specify with units)		
				Long Term Avg	Max. Daily	Long Term Avg.	Max. Daily	

*For land application systems, also include the Rest Period.

D. Describe practices to be followed to ensure adequate wastewater treatment during emergencies such as power loss and equipment failures causing shutdown of pollution abatement equipment of the proposed/permitted facilities.

See Attached Response

E. List the method(s) and location(s) of flow measurement. N/A

IV IMPROVEMENTS

A. Are you now required by any Federal, State or local authority 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.

☐ Yes (complete the following table)

☒ No (go to Item VI-B)

1. Identification of Condition, Agreement, Etc.	2. Affected Discharge Locations		3. Brief Description of Project	4. Final Compliance Date	
	a. No.	b. Source of Discharge		a. Required	b. Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) 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.

☐ Mark "X" if description of additional control programs is attached.

V INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding--Complete one set of tables for each discharge location -- Annotate the location number in the space provided. NOTE: Tables V-A, V-B, and V-C are included on separate sheets number V-1 through V-10.

D. Use the space below to list any of the pollutants listed in Table 2CG-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. Pollutant	2. Source	1. Pollutant	2. Source
NA			

VI POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C 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 VII)

--

VII CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ YES (list the name, address, telephone number, and certification number of, and pollutants analyzed by each such laboratory or firm below)
☐ NO (go to Section VIII)

A. Name	B. Address	C. Telephone (area code & no.)	D. Pollutants Analyzed (list)
Severn Trent Laboratories, Inc.	900 Lakeside Dr.	(251) 666-6633	All parameters analyzed by Severn
	Mobile, AL 36693		Trent Laboratories
Florida DHRS Certification			
Number E87089			

VIII CONNECTION TO REGIONAL POTW

A. Indicate the relationship between this project and area regional planning for wastewater treatment. List steps to be taken for this industrial wastewater facility to become part of an area-wide wastewater treatment system.

Wastewater discharged from Plant Scholz consists mainly of once-thru, non-contact cooling water. The plant is located in a remote, rural location with no POTWs located in proximity to the plant. As a result, it would not be practical or feasible to connect Plant Scholz to a POTW.

IX-A CERTIFICATIONS FOR NEW OR MODIFIED FACILITIES

This is to certify 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.

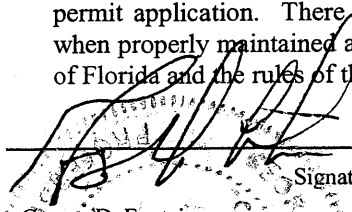
_____ Signature	_____ Company Name
_____ Name (please type)	_____ Address
_____ (Affix Seal)	_____ Florida Registration No.:
	_____ Telephone No.: _____ Date _____

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 (type or print)	_____ Signature
_____ Title	_____ Date Signed
_____ Telephone No. (area code & No.)	

IX-B CERTIFICATIONS FOR PERMIT RENEWALS

This is to certify 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
George D. Fontaine

Name (please type)
(Affix Seal)

Gulf Power Company

Company Name

AddressOne Energy PlacePensacola, FL 32520Florida Registration No.: 36083Telephone No.: (850) 522-3479Date 10/3/03

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.

Bernard Jacob

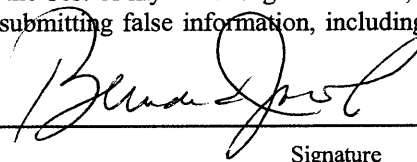
Name (type or print)

Vice President, External Affairs and
Corporate Services

Title

850.444.6382

Telephone No. (area code & No.)



Signature

10-6-03

Date Signed

Facility ID. Number: FL0002283 Outfall No. Ash Pond

PLEASE PRINT OR TYPE ONLY: You may report some or all of this information on separate sheets instead of completing these pages. Use the same format.
SEE INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS

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.

1. Pollutant	2. Effluent						3.. Units		4. Intake (optional)			
	a. Max. Daily Value		b. Max. 30-day Value		c. Annual Avg. Value		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. BOD, Carbonaceous , 5-day, 20 Deg. C.	2.8						1	mg/l				
b. Chemical Oxygen Demand (COD)	<20						1	mg/l				
c. Total Organic Carbon (TOC)	2.4						1	mg/l				
d. Total Suspended Solids (TSS)	<2.0						1	mg/l				
e. Total Nitrogen (as N)	0.35						1	mg/l				
f. Total Phosphorus (as P)	0.22						1	mg/l				
g. Ammonia (as N)	3.7						1	mg/l				
h. Flow - actual or projected	Value 0		Value		Value					Value		
i. Flow - design	Value		Value		Value					Value		
j. Specific Conductivity	Value 350		Value		Value		1	umhos/cm		Value		
k. Temperature (winter)	Value		Value		Value			°C		Value		
l. Temperature (summer)	Value		Value		Value			°C		Value		
m. pH	Min.	Max	Min.	Max.				STANDARD UNITS				

*Conc. = Concentration

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Bromide (24949-67-9)	☒	☐	3.1						1	mg/l		x		
b. Chlorine, Total Residual	☐	☒	<0.05						1	mg/l				
c. Color	☒	☐	10						1	PCU		x		
d. Fecal Coliform	☒	☐	60						1	col/100mls		x		
e. Fluoride (16984-48-8)	☒	☐	0.43						1	mg/l				
f. Nitrate-Nitrite (as N)	☒	☐	0.12						1	mg/l		x		

Item V-B Contd

Facility ID. Number: FL0002283 Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. believed present	b. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
g. Nitrogen, Total Organic (as N)	☒	☐	<0.20						1	mg/l		x		
h. Oil and grease	☐	☒	<5.0						1	mg/l				
i. Phosphorus, Total (as P) (7723-14-0)	☒	☐	0.22						1	mg/l				
j. Radioactivity														
(1) Alpha, Total	☐	☒	2.1+/-0.9						1	pCi/l				
(2) Beta, Total	☐	☒	7.3+/-1.2						1	pCi/l				
(3) Radium, Total	☐	☒	0.2+/-0.7						1	pCi/l				
(4) Radium 226, Total	☐	☒	0.1+/-0.08						1	pCi/l				
k. Sulfate (as SO ₄) (14808-79-8)	☒	☐	74						1	mg/l				
l. Sulfide (as S)	☐	☒	<0.10						1	mg/l				
m. Sulfite (as SO ₃) (14265-45-3)	☐	☒	<5.0						1	mg/l				
n. Surfactants	☐	☒	<0.10						1	mg/l				
o. Aluminum, Total (7429-90-5)	☒	☐	0.28						1	mg/l		x		
p. Barium, Total (7440-39-3)	☒	☐	0.087						1	mg/l		x		
q. Boron, Total (7440-42-8)	☒	☐	0.94						1	mg/l				
r. Cobalt, Total (7440-48-4)	☐	☒	<0.010						1	mg/l				
s. Iron, Total (7439-89-6)	☒	☐	0.22						1	mg/l		x		
t. Magnesium, Total (7439-95-4)	☒	☐	5.4						1	mg/l		x		
u. Molybdenum, Total (7439-98-7)	☒	☐	0.089						1	mg/l				
v. Manganese, Total (7439-96-5)	☒	☐	0.079						1	mg/l		x		
w. Tin, Total (7440-31-5)	☐	☒	<0.010						1	mg/l				
x. Titanium, Total (7440-32-6)	☒	☐	0.014						1	mg/l		x		

Facility ID. Number: FL0002283 Outfall No. Ash Pond

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2a for all GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2b for each pollutant you know or have reason to believe is present. Mark "X" in column 2c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	☒	☐	☐	0.0096						1	mg/l				
2M. Arsenic, Total (7723-14-0)	☒	☐	☐	0.17						1	mg/l				
3M. Beryllium, Total (7440-41-7)	☒	☐	☐	<0.0040						1	mg/l				
4M. Cadmium, Total (7440-43-9)	☒	☐	☐	<0.0050						1	mg/l				
5M. Chromium, Total (7440-47-3)	☒	☐	☐	<0.010						1	mg/l				
6M. Copper, Total (7440-50-8)	☒	☐	☐	<0.020						1	mg/l				
7M. Lead, Total (7439-92-1)	☒	☐	☐	<0.0050						1	mg/l				
8M. Mercury, Total (7439-97-6)	☒	☐	☐	<0.00050						1	mg/l				
9M. Nickel, Total (7440-02-0)	☒	☐	☐	<0.040						1	mg/l				
10M. Selenium, Total (7782-49-2)	☒	☐	☐	0.046						1	mg/l				
11M. Silver, Total (7440-22-4)	☒	☐	☐	<0.010						1	mg/l				
12M. Thallium, Total (7440-28-0)	☒	☐	☐	<0.0020						1	mg/l				
13M. Zinc, Total (7440-66-6)	☒	☐	☐	<0.020						1	mg/l				
14M. Cyanide, Total (57-12-5)	☒	☐	☐	<0.010						1	mg/l				
15M. Phenols, Total	☒	☐	☐	<0.010						1	mg/l				
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	☒	☐	☐	<10						1	pg/l				
GC/MS FRACTION VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	☒	☐	☐	<20						1	ug/l				
2V. Acrylonitrile (107-13-1)	☒	☐	☐	<20						1	ug/l				

Facility ID. Number: FL0002283 Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent								4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses		a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass					(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)																
3V. Benzene (71-43-2)	☒	☐	☐	<1.0						1		ug/l				
4V. Bis (Chloromethyl) Ether (542-88-1)	☒	☐	☐	<10						1		ug/l				
5V. Bromoform (75-25-2)	☒	☐	☐	<1.0						1		ug/l				
6V. Carbon Tetrachloride (56-23-5)	☒	☐	☐	<1.0						1		ug/l				
7V. Chlorobenzene (108-90-7)	☒	☐	☐	<1.0						1		ug/l				
8V. Chlorodi-bromomethane (124-8-1)	☒	☐	☐	<1.0						1		ug/l				
9V. Chloroethane (74-00-3)	☒	☐	☐	<1.0						1		ug/l				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	☒	☐	☐	<10						1		ug/l				
11V. Chloroform (67-86-3)	☒	☐	☐	<1.0						1		ug/l				
12V. Dichloro-bromomethane (75-24-4)	☒	☐	☐	<1.0						1		ug/l				
13V. Dichloro-difluoromethane (75-71-8)	☐	☐	☐							1		ug/l				
14V. 1,1-Dichloroethane (75-34-3)	☒	☐	☐	<1.0						1		ug/l				
15V. 1,2-Dichloroethane (107-06-2)	☒	☐	☐	<1.0						1		ug/l				
16V. 1,1-Dichloroethylene (75-35-4)	☒	☐	☐	<1.0						1		ug/l				
17V. 1,2-Dichloropropane (78-87-5)	☒	☐	☐	<1.0						1		ug/l				
18V. 1,3-Dichloropropylene (542-75-6)	☒	☐	☐	<2.0						1		ug/l				
19V. Ethylbenzene (100-41-4)	☒	☐	☐	<1.0						1		ug/l				
20V. Methyl Bromide (74-83-9)	☒	☐	☐	<1.0						1		ug/l				
21V. Methyl Chloride (74-87-3)	☒	☐	☐	<1.0						1		ug/l				
22V. Methylene Chloride (74-98-2)	☒	☐	☐	<5.0						1		ug/l				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	☒	☐	☐	<1.0						1		ug/l				
24V. Tetrachloroethylene (127-18-4)	☒	☐	☐	<1.0						1		ug/l				

Facility ID. Number: FL0002283 Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
25V. Toluene (108-88-3)	☒	☐	☐	<1.0						1	ug/l				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	☒	☐	☐	<1.0						1	ug/l				
27V. 1,1,2-Trichloroethane (71-55-6)	☒	☐	☐	<1.0						1	ug/l				
28V. 1,1,2-Trichloroethane (79-00-5)	☒	☐	☐	<1.0						1	ug/l				
29V. Trichloroethylene (79-01-6)	☒	☐	☐	<1.0						1	ug/l				
30V. Trichlorofluoromethane (75-69-4)	☐	☐	☐							1	ug/l				
31V. Vinyl Chloride (75-01-4)	☒	☐	☐	<1.0						1	ug/l				
GC/MS FRACTION - POLYCYCLIC AROMATIC COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	☒	☐	☐	<1.0						1	ug/l				
2A. 2,4-Dichlorophenol (120-83-2)	☒	☐	☐	<10						1	ug/l				
3A. 2,4-Dimethylphenol (105-67-9)	☒	☐	☐	<10						1	ug/l				
4A. 4,6-Dinitro-O-Cresol (534-53-1)	☒	☐	☐	<50						1	ug/l				
5A. 2,4-Dinitrophenol (51-28-5)	☒	☐	☐	<50						1	ug/l				
6A. 2-Nitrophenol (88-75-5)	☒	☐	☐	<10						1	ug/l				
7A. 4-Nitrophenol (100-02-7)	☒	☐	☐	<50						1	ug/l				
8A. P-Chloro-M-Cresol (59-50-7)	☒	☐	☐	<10						1	ug/l				
9A. Pentachlorophenol (87-86-5)	☒	☐	☐	<2.1						1	ug/l				
10A. Phenol (108-95-2)	☒	☐	☐	<10						1	ug/l				
11A. 2,4,5-Trichlorophenol (88-06-2)	☒	☐	☐	<2.4						1	ug/l				
GC/MS FRACTION - POLYCYCLIC AROMATIC COMPOUNDS															
1B. Acenaphthene (63-32-9)	☒	☐	☐	<0.20						1	ug/l				
2B. Acenaphthylene (208-96-8)	☒	☐	☐	<0.20						1	ug/l				
3B. Anthracene (120-12-7)	☒	☐	☐	<0.20						1	ug/l				
4B. Benzidine (92-87-5)	☒	☐	☐	<80						1	ug/l				

Facility ID. Number: FL0002283Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
5B. Benzo (a) Anthracene (56-55-3)	☒	☐	☐	<0.20						1	ug/l				
6B. Benzo (a) Pyrene (50-32-8)	☒	☐	☐	<0.20						1	ug/l				
7B. 3,4-Benzo-fluoranthene (205-99-2)	☒	☐	☐	<0.20						1	ug/l				
8B. Benzo (ghi) Perylene (191-24-2)	☒	☐	☐	<0.20						1	ug/l				
9B. Benzo (k) Fluoranthene (207-08-9)	☒	☐	☐	<0.20						1	ug/l				
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	☒	☐	☐	<10						1	ug/l				
11B. Bis (2-chloroethyl) Ether (111-44-4)	☒	☐	☐	<10						1	ug/l				
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	☒	☐	☐	<10						1	ug/l				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	☒	☐	☐	<10						1	ug/l				
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	☒	☐	☐	<10						1	ug/l				
15B Butyl Benzyl Phthalate (84-68-7)	☒	☐	☐	<10						1	ug/l				
16B. 2-Chloronaphthalene (91-58-7)	☒	☐	☐	<10						1	ug/l				
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	☒	☐	☐	<10						1	ug/l				
18B. Chrysene (218-01-9)	☒	☐	☐	<0.20						1	ug/l				
19B. Dibenzo (a,h) Anthracene (53-70-3)	☒	☐	☐	<0.20						1	ug/l				
20B. 1,2-Dichlorobenzene (95-50-1)	☒	☐	☐	<10						1	ug/l				
21B. 1,3-Dichlorobenzene (541-73-1)	☒	☐	☐	<10						1	ug/l				
22B. 1,4-Dichlorobenzene (106-46-7)	☒	☐	☐	<10						1	ug/l				
23B. 3,3'-Dichlorobenzidine (92-94-1)	☒	☐	☐	<20						1	ug/l				
24B. Diethyl Phthalate (84-66-2)	☒	☐	☐	<10						1	ug/l				
25B. Dimethyl Phthalate (131-11-3)	☒	☐	☐	<10						1	ug/l				
26B. Di-N-Butyl Phthalate (84-74-2)	☒	☐	☐	<10						1	ug/l				
27B. 2,4-Dinitrotoluene (121-14-2)	☒	☐	☐	<10						1	ug/l				
28B. 2,6-Dinitrotoluene (606-20-2)	☒	☐	☐	<10						1	ug/l				

Facility ID. Number: FL0002283 Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
29B. Di-N-Octyl Phthalate (117-84-0)	☒	☐	☐	<10						1	ug/l				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	☒	☐	☐	<10						1	ug/l				
31B. Fluoranthene (206-44-0)	☒	☐	☐	<0.20						1	ug/l				
32B. Fluorene (86-73-7)	☒	☐	☐	<0.20						1	ug/l				
33B. Hexachlorobenzene (118-74-1)	☒	☐	☐	<10						1	ug/l				
34B. Hexachlorobutadiene (87-68-3)	☒	☐	☐	<10						1	ug/l				
35B. Hexachlorocyclopentadiene (77-47-4)	☒	☐	☐	<10						1	ug/l				
36B. Hexachloroethane (67-72-1)	☒	☐	☐	<10						1	ug/l				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	☒	☐	☐	<0.20						1	ug/l				
38B. Isophorone (78-59-1)	☒	☐	☐	<10						1	ug/l				
39B. Naphthalene (91-20-3)	☒	☐	☐	<0.20						1	ug/l				
40B. Nitrobenzene (98-95-9)	☒	☐	☐	<10						1	ug/l				
41B N-Nitrosodimethylamine (62-75-9)	☒	☐	☐	<10						1	ug/l				
42B. N-Nitrosodi-N-Propylamine (621-64-7)	☒	☐	☐	<10						1	ug/l				
43B. N-Nitro-sodiphenylamine (86-30-6)	☒	☐	☐	<10						1	ug/l				
44B Phenanthrene (85-01-8)	☒	☐	☐	<0.20						1	ug/l				
45B. Pyrene (129-00-0)	☒	☐	☐	<0.20						1	ug/l				
46B. 1,2,4-Trichlorobenzene (120-82-1)	☒	☐	☐	<10						1	ug/l				
POLYCYCLIC AROMATIC HYDROCARBONS															
1P. Aldrin (309-00-2)	☒	☐	☐	<0.050						1	ug/l				
2P. -BHC (319-84-6)	☒	☐	☐	<0.050						1	ug/l				
3P -BHC (319-85-7)	☒	☐	☐	<0.050						1	ug/l				
4P. -BHC (58-89-9)	☒	☐	☐	<0.050						1	ug/l				
5P. -BHC (319-86-8)	☒	☐	☐	<0.050						1	ug/l				

Facility ID. Number: FL0002283

Outfall No. Ash Pond

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
6P. Chlordane (57-74-9)	☒	☐	☐	<0.50						1	ug/l				
7P. 4,4'-DDT (50-29-3)	☒	☐	☐	<0.10						1	ug/l				
8P. 4,4'-DDE (72-55-9)	☒	☐	☐	<0.10						1	ug/l				
9P. 4,4'-DDD (72-54-8)	☒	☐	☐	<0.10						1	ug/l				
10P. Dieldrin (60-57-1)	☒	☐	☐	<0.10						1	ug/l				
11P. -Endosulfan (115-29-7)	☒	☐	☐	<0.05						1	ug/l				
12P. -Endosulfan (115-29-7)	☒	☐	☐	<0.10						1	ug/l				
13P. Endosulfan Sulfate (1031-07-8)	☒	☐	☐	<0.10						1	ug/l				
14P. Endrin (72-20-8)	☒	☐	☐	<0.10						1	ug/l				
15P. Endrin Aldehyde (7421-92-4)	☒	☐	☐	<0.10						1	ug/l				
16P. Heptachlor (76-44-8)	☒	☐	☐	<0.050						1	ug/l				
17P. Heptachlor Epoxide (1024-57-3)	☒	☐	☐	<0.050						1	ug/l				
18P. PCB-1242 (53469-21-9)	☒	☐	☐	<1.0						1	ug/l				
19P. PCB-1254 (11097-69-1)	☒	☐	☐	<1.0						1	ug/l				
20P. PCB-1221 (11104-28-2)	☒	☐	☐	<2.0						1	ug/l				
21P. PCB-1232 (11141-16-5)	☒	☐	☐	<1.0						1	ug/l				
22P. PCB-1248 (12672-29-6)	☒	☐	☐	<1.0						1	ug/l				
23P. PCB-1260 (11096-82-5)	☒	☐	☐	<1.0						1	ug/l				
24P. PCB-1016 (12674-11-2)	☒	☐	☐	<1.0						1	ug/l				
25P. Toxaphene (8001-35-2)	☒	☐	☐	<5.0						1	ug/l				

**GULF POWER COMPANY- PLANT SCHOLZ
NPDES PERMIT FL0002283**

**FORM 2CG
ITEM III A
FACILITY WATER FLOW DIAGRAMS**

FIGURE 1. PLANT SCHOLZ SCHEMATIC CLEAR WATER FLOW DIAGRAM

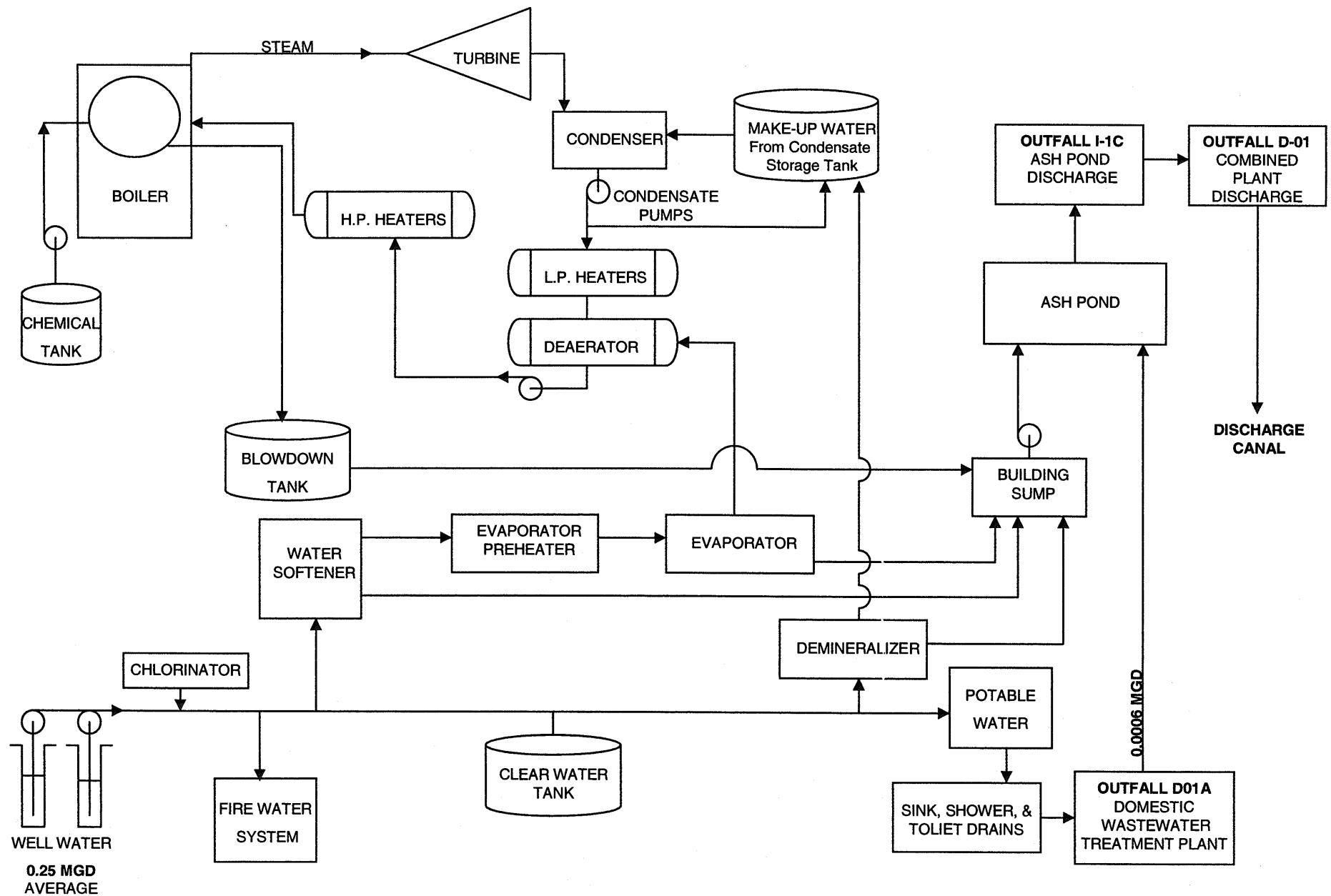
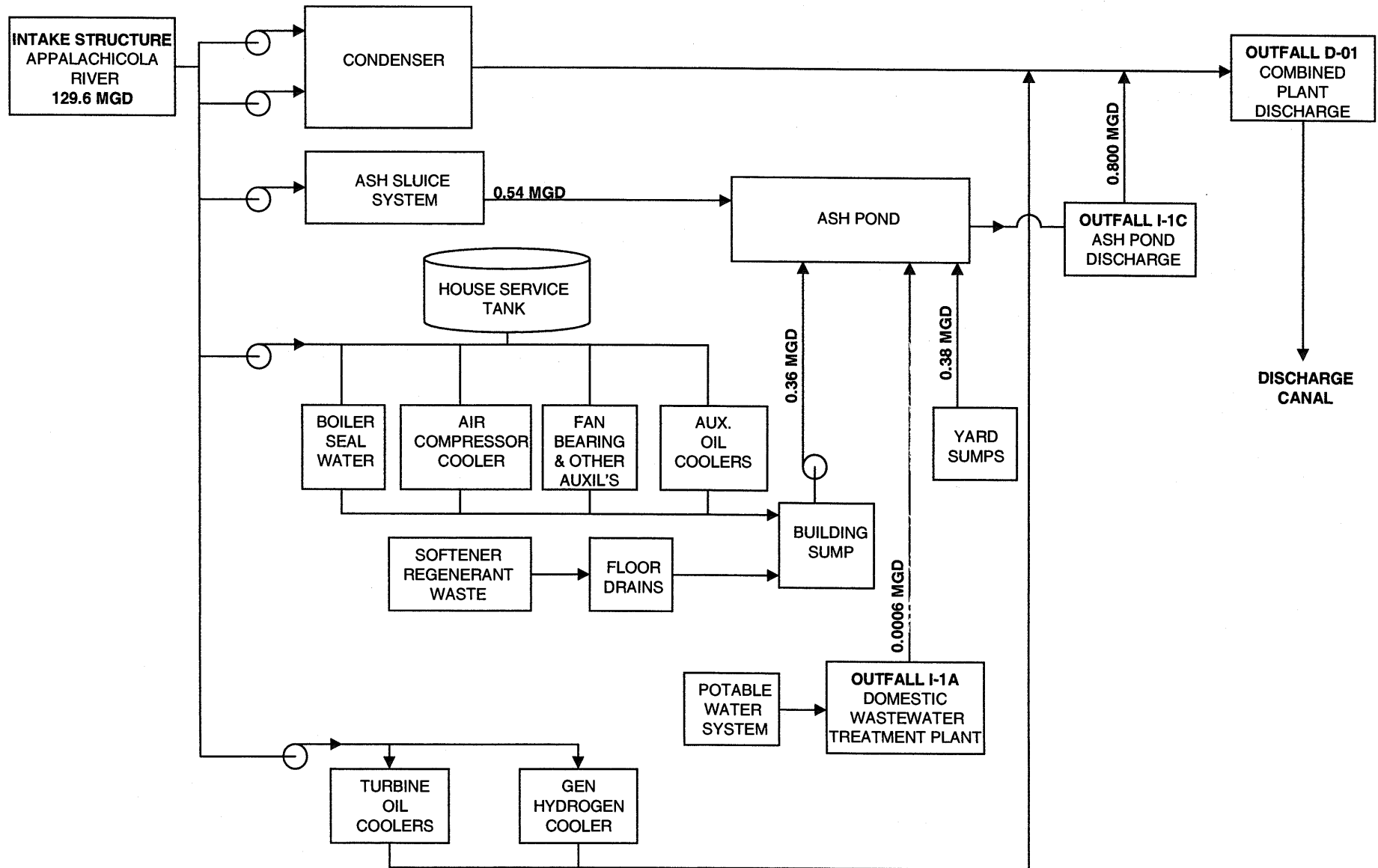


FIGURE 2. PLANT SCHOLZ RIVER WATER FLOW DIAGRAM



SECTION III-D (page 2CG-16): Describe practices to be followed to ensure adequate wastewater treatment during emergencies such as power loss and equipment failures causing shutdown of pollution abatement equipment of the proposed/permited facilities.

Back up pumps are available for facility sumps. Question is not applicable for wastewater flows entering ash pond where the method of treatment is sedimentation.



STL

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Analytical Report

For: Mr. Joe Neese
Gulf Power Company, Scholz Plant
1460 Gulf Power Road
Sneads, FL 32460

CC:

Order Number: M365675
SDG Number:
Client Project ID:
Project: NPDES Form 2CS
Report Date: 08/12/2003
Sampled By: Client
Sample Received Date: 07/23/2003
Requisition Number:
Purchase Order:
Revised Date: 08/22/2003

J. Michael Nance, Project Manager
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Sample Summary

Order: M365675
Date Received: 07/23/2003

Client: Gulf Power Company, Scholz Plant
Project: NPDES Form 2CS

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
Scholz Discharge Composite	M365675*1	Liquid	07/23/2003 10:38
Scholz Intake Composite	M365675*2	Liquid	07/23/2003 09:01
Scholz Ashpond Composite	M365675*3	Liquid	07/23/2003 10:07
Scholz Discharge Grab	M365675*4	Liquid	07/23/2003 11:16
Scholz Intake Grab	M365675*5	Liquid	07/23/2003 11:11
Scholz Ashpond Grab	M365675*6	Liquid	07/23/2003 11:21

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-1	Scholz Discharge Composite	Liquid	07/23/03	07/23/03 10:38	
65675-2	Scholz Intake Composite	Liquid	07/23/03	07/23/03 09:01	
65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	

Parameter	Units	Lab Sample IDs 65675-1	65675-2	65675-3
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Biochemical Oxygen Demand (SM 5210B)

Biochemical Oxygen Demand	mg/l	2.9	3.0	2.8
Analysis Date		07/23/03	07/23/03	07/23/03
Analysis Time		16:55	16:55	16:55
Batch ID		0723A	0723A	0723A
Analyst		AW	AW	AW

Chemical Oxygen Demand (SM 5220C)

Chemical Oxygen Demand	mg/l	<20	<20	<20
Analysis Date		08/01/03	08/01/03	08/01/03
Analysis Time		12:31	12:31	12:31
Batch ID		0731A	0731A	0731A
Analyst		EL	EL	EL

Organic Carbon (415.1)

Organic Carbon	mg/l	4.1	3.8	2.4
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		16:23	16:23	16:23
Batch ID		0729A	0729A	0729A
Analyst		BM	BM	BM

Total Suspended Solids (160.2)

Total Suspended Solids	mg/l	3.0	4.0	<2.0
Analysis Date		07/28/03	07/28/03	07/28/03
Analysis Time		12:05	12:05	12:05
Batch ID		0728A	0728A	0728A
Analyst		MG	MG	MG

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-1	Scholz Discharge Composite	Liquid	07/23/03	07/23/03 10:38	
65675-2	Scholz Intake Composite	Liquid	07/23/03	07/23/03 09:01	
65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Nitrogen, Kjeldahl (351.3)

Nitrogen, Kjeldahl	mg/l	1.1	0.30	0.35
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		12:55	12:55	12:55
Batch ID		0728A	0728A	0728A
Analyst		EL	EL	EL

Phosphorus, Total (365.4)

Phosphorus, Total	mg/l	<0.10	<0.10	0.22
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		12:55	12:55	12:55
Batch ID		0728A	0728A	0728A
Analyst		EL	EL	EL

Ammonia-N (350.1)

Ammonia-N	mg/l	<0.030	<0.030	3.7
Analysis Date		07/23/03	07/23/03	07/23/03
Analysis Time		16:55	16:55	16:47
Batch ID		0723A	0723A	0723A
Analyst		BM	BM	BM

Specific Conductance (EPA 120.1)

Specific Conductance	umhos/cm	110	100	350
Analysis Date		07/25/03	07/25/03	07/25/03
Analysis Time		12:30	12:30	12:30
Batch ID		0725.1	0725.1	0725.1
Analyst		RDM	RDM	RDM

Analytical Data Report

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65675-1	Scholz Discharge Composite	Liquid	07/23/03	07/23/03 10:38	
65675-2	Scholz Intake Composite	Liquid	07/23/03	07/23/03 09:01	
65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	

Parameter	Units	Lab Sample IDs		
		65675-1	65675-2	65675-3

Bromide

Bromide	mg/l	5.0	6.9	3.1
Analysis Date		07/26/03	07/26/03	07/26/03
Analysis Time		20:00	20:00	20:00
Batch ID		0726.1	0726.1	0726.1
Analyst		RMD	RDM	RDM

Color APHA (110.2)

Color APHA	PCU	35	35	10
Analysis Date		07/23/03	07/23/03	07/23/03
Analysis Time		16:22	16:22	16:22
Batch ID		0723A	0723A	0723A
Analyst		RDM	RDM	RDM

Fluoride (340.2)

Fluoride	mg/l	<0.20	<0.20	0.43
Analysis Date		07/30/03	07/30/03	07/30/03
Analysis Time		11:55	11:55	11:55
Batch ID		0730.1	0730.1	0730.1
Analyst		RDM	RDM	RDM

Nitrate+Nitrite (as N) (353.2)

Nitrate+Nitrite (as N)	mg/l	0.48	0.46	0.12
Analysis Date		07/28/03	07/28/03	07/28/03
Analysis Time		12:39	12:39	12:40
Batch ID		0728A	0728A	0728A
Analyst		BM	BM	BM

Analytical Data Report

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65675-1	Scholz Discharge Composite	Liquid	07/23/03	07/23/03 10:38	
65675-2	Scholz Intake Composite	Liquid	07/23/03	07/23/03 09:01	
65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	

Parameter	Units	Lab Sample IDs 65675-1	65675-2	65675-3
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Total Organic Nitrogen

Total Organic Nitrogen	mg/l	1.1	0.30	<0.20
Analysis Date		07/29/03	07/29/02	07/29/03
Analysis Time		12:55	12:55	12:55
Batch ID		0728A	0728A	0728A
Analyst		EL	EL	EL

Gross Alpha (900.0)

Gross Alpha	pCi/l	1.4+/-0.7	0.8+/-0.7	2.1+/-0.9
Analysis Date		08/04/03	08/04/03	08/04/03
Analysis Time		08:00	08:00	08:00

Gross Beta (900.0)

Gross Beta	pCi/l	2.9+/-1.1	1.7+/-0.7	7.3+/-1.2
Analysis Date		08/04/03	08/04/03	08/04/03
Analysis Time		08:00	08:00	08:00

Total Radium 226 (903.1)

Total Radium 226	pCi/l	0.1+/-0.1	0.1+/-0.06	0.1+/-0.08
Analysis Date		08/06/03	08/06/03	08/06/03
Analysis Time		14:13	12:11	12:11

Total Radium (900.1)

Total Radium	pCi/l	0.2+/-0.7	0.1+/-0.4	0.2+/-0.7
Analysis Date		08/07/03	08/06/03	08/07/03
Analysis Time		13:00	12:11	13:00

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Sulfate (9038)

Sulfate	mg/l	<5.0	<5.0	74
Analysis Date		07/23/03	07/23/03	07/23/03
Analysis Time		14:16	14:16	14:16
Batch ID		0723A	0723A	0723A
Analyst		RDM	RDM	RDM

Sulfide (376.2)

Sulfide	mg/l	<0.10	<0.10	<0.10
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		15:50	15:50	15:50
Batch ID		0729A	0729A	0729A
Analyst		FSB	FSB	FSB

Sulfite (377.1)

Sulfite	mg/l	<5.0	<5.0	<5.0
Analysis Date		07/31/03	07/31/03	07/31/03
Analysis Time		11:25	11:25	11:25
Batch ID		0731.1	0731.1	0731.1
Analyst		ES	ES	ES

Surfactants (MBAS-425.1)

Surfactants	mg/l	<0.10	<0.10	<0.10
Analysis Date		07/25/03	07/25/03	07/25/03
Analysis Time		08:30	08:30	08:30
Batch ID		072503	072503	072503
Analyst		AH	AH	AH

Analytical Data Report

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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

ICP Metals (200.7 Rev 4.4)

Aluminum	mg/l	0.49	0.47	0.28
Barium	mg/l	0.025	0.024	0.087
Boron	mg/l	<0.050M	<0.050M	0.94
Cobalt	mg/l	<0.010U	<0.010M	<0.010M
Iron	mg/l	0.77	0.78	0.22
Magnesium	mg/l	1.7	1.5	5.4
Molybdenum	mg/l	<0.010M	<0.010M	0.089
Manganese	mg/l	0.074	0.085	0.079
Tin	mg/l	<0.010U	<0.010U	<0.010U
Titanium	mg/l	0.016	0.016	0.014
Arsenic	mg/l	<0.010M	<0.010U	0.17
Beryllium	mg/l	<0.0040U	<0.0040U	<0.0040U
Cadmium	mg/l	<0.0050U	<0.0050U	<0.0050U
Chromium	mg/l	<0.010U	<0.010U	<0.010U
Copper	mg/l	<0.020M	<0.020M	<0.020M
Lead	mg/l	<0.0050U	<0.0050U	<0.0050U
Nickel	mg/l	<0.040M	<0.040U	<0.040M
Selenium	mg/l	<0.010U	<0.010U	0.046
Silver	mg/l	<0.010U	<0.010U	<0.010U
Zinc	mg/l	<0.020U	<0.020U	<0.020U
Calcium	mg/l		<0.010M	<0.010M
Analysis Date		07/24/03	07/24/03	07/24/03
Analysis Time		18:31	18:31	18:31
Batch ID		0724T	0724T	0724T
Analyst		MB	MB	MB

Antimony (200.9 Rev 2.2)

Antimony	mg/l	<0.0060U	<0.0060U	0.0096
Analysis Date		08/05/03	08/05/03	08/05/03
Analysis Time		16:28	16:28	16:28
Batch ID		0804G	0804G	0804G
Analyst		BB	BB	BB

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-1	Scholz Discharge Composite	Liquid	07/23/03	07/23/03 10:38	
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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Thallium (200.9 Rev 2.2)

Thallium	mg/l	<0.0020U	<0.0020U	<0.0020U
Analysis Date		07/28/03	07/28/03	07/28/03
Analysis Time		14:53	14:53	14:53
Batch ID		0728G	0728G	0728G
Analyst		RJB	RJB	RJB

Mercury (245.1)

Mercury	mg/l	<0.00050U	<0.00050U	<0.00050U
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		15:02	15:02	15:02
Batch ID		0729M	0729M	0729M
Analyst		BB	BB	BB

2,3,7,8-Tetrachlorodibenzo-p-dioxin (1613)

2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	<10	<10	<10
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Volatile Organic Compounds (624)

Acrolein (Propenal)	ug/l	<20	<20	<20
Acrylonitrile	ug/l	<20	<20	<20
Benzene	ug/l	<1.0	<1.0	<1.0
Bromoform	ug/l	<1.0	<1.0	<1.0
Carbon tetrachloride	ug/l	<1.0	<1.0	<1.0
Chlorobenzene	ug/l	<1.0	<1.0	<1.0
Dibromochloromethane	ug/l	<1.0	<1.0	<1.0
Chloroethane	ug/l	<1.0	<1.0	<1.0
2-Chloroethylvinyl ether	ug/l	<10	<10	<10
Chloroform	ug/l	<1.0	<1.0	<1.0
Dichlorobromomethane	ug/l	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/l	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/l	<1.0	<1.0	<1.0

Analytical Data Report

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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Volatile Organic Compounds (624)

1,1-Dichloroethene	ug/l	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/l	<1.0	<1.0	<1.0
1,3-Dichloropropylene	ug/l	<2.0	<2.0	<2.0
Ethylbenzene	ug/l	<1.0	<1.0	<1.0
Bromomethane	ug/l	<1.0	<1.0	<1.0
Chloromethane	ug/l	<1.0	<1.0	<1.0
Methylene chloride (Dichloromethane)	ug/l	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	ug/l	<1.0	<1.0	<1.0
Tetrachloroethene	ug/l	<1.0	<1.0	<1.0
Toluene	ug/l	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	ug/l	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	ug/l	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	ug/l	<1.0	<1.0	<1.0
Trichloroethene	ug/l	<1.0	<1.0	<1.0
Vinyl chloride	ug/l	<1.0	<1.0	<1.0
Analysis Date		07/29/03	07/26/03	07/26/03
Analysis Time		01:14	02:36	03:07
Batch ID		2C0728E	2C0725E	2C0725E
Analyst		KBV	KBV	KBV

Semivolatile Organic Compounds (625)

Acenaphthene	ug/l	<0.20	<0.20	<0.20
Acenaphthylene	ug/l	<0.20	<0.20	<0.20
Anthracene	ug/l	<0.20	<0.20	<0.20
Benzidine	ug/l	<80	<80	<80
Benzo(a)anthracene	ug/l	<0.20	<0.20	<0.20
3,4-Benzofluoranthene	ug/l	<0.20	<0.20	<0.20
Benzo(a)pyrene	ug/l	<0.20	<0.20	<0.20
Benzo(k)fluoranthene	ug/l	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	ug/l	<0.20	<0.20	<0.20
4-Bromophenylphenyl ether	ug/l	<10	<10	<10
Butylbenzylphthalate	ug/l	<10	<10	<10

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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Semivolatile Organic Compounds (625)

bis(2-Chloroethoxy)methane	ug/l	<10	<10	<10
bis(2-Chloroethyl)ether	ug/l	<10	<10	<10
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ug/l	<10	<10	<10
2-Chloronaphthalene	ug/l	<10	<10	<10
2-Chlorophenol	ug/l	<1.0U	<1.0U	<1.0U
4-Chlorophenylphenyl ether	ug/l	<10	<10	<10
Chrysene	ug/l	<0.20	<0.20	<0.20
Dibenzo(a,h)anthracene	ug/l	<0.20	<0.20	<0.20
Di-n-butylphthalate	ug/l	<10	<10	<10
1,2-Dichlorobenzene	ug/l	<10	<10	<10
1,3-Dichlorobenzene	ug/l	<10	<10	<10
1,4-Dichlorobenzene	ug/l	<10	<10	<10
3,3'-Dichlorobenzidine	ug/l	<20	<20	<20
2,4-Dichlorophenol	ug/l	<10	<10	<10
Diethylphthalate	ug/l	<10	<10	<10
2,4-Dimethylphenol	ug/l	<10	<10	<10
Dimethylphthalate	ug/l	<10	<10	<10
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ug/l	<50	<50	<50
2,4-Dinitrophenol	ug/l	<50	<50	<50
2,4-Dinitrotoluene	ug/l	<10	<10	<10
2,6-Dinitrotoluene	ug/l	<10	<10	<10
1,2-Diphenylhydrazine	ug/l	<10	<10	<10
Di-n-octylphthalate	ug/l	<10	<10	<10
bis(2-Ethylhexyl)phthalate	ug/l	<10	<10	<10
Fluoranthene	ug/l	<0.20	<0.20	<0.20
Fluorene	ug/l	<0.20	<0.20	<0.20
Hexachlorobenzene	ug/l	<10	<10	<10
Hexachlorobutadiene	ug/l	<10	<10	<10
Hexachlorocyclopentadiene	ug/l	<10	<10	<10
Hexachloroethane	ug/l	<10	<10	<10
Indeno(1,2,3-cd)pyrene	ug/l	<0.20	<0.20	<0.20
Isophorone	ug/l	<10	<10	<10

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Lab Sample IDs					
Parameter	Units	65675-1	65675-2	65675-3	

Semivolatile Organic Compounds (625)

Naphthalene	ug/l	0.22	<0.20	<0.20
Nitrobenzene	ug/l	<10	<10	<10
2-Nitrophenol (o-Nitrophenol)	ug/l	<10	<10	<10
4-Nitrophenol (p-Nitrophenol)	ug/l	<50	<50	<50
N-Nitrosodimethylamine	ug/l	<10	<10	<10
N-Nitrosodiphenylamine	ug/l	<10	<10	<10
n-Nitrosodi-n-propylamine	ug/l	<10	<10	<10
2,2'-Oxybis(1-chloropropane)[b is(2-Chloroisopropyl)ether]	ug/l	<10	<10	<10
Pentachlorophenol	ug/l	<2.1U	<2.1U	<2.1U
Phenanthrene	ug/l	<0.20	<0.20	<0.20
Phenol	ug/l	<10	<10	<10
Pyrene	ug/l	<0.20	<0.20	<0.20
1,2,4-Trichlorobenzene	ug/l	<10	<10	<10
2,4,6-Trichlorophenol	ug/l	<2.4U	<2.4U	<2.4U
Surrogate - 2-Fluorobiphenyl *	%	84 %	68 %	68 %
Surrogate - 2-Fluorophenol *	%	76 %	66 %	64 %
Surrogate - Nitrobenzene-d5 *	%	96 %	80 %	80 %
Surrogate - Phenol-d5 *	%	97 %	70 %	64 %
Surrogate - Terphenyl-d14 *	%	84 %	60 %	88 %
Surrogate - 2,4,6-Tribromophenol *	%	87 %	78 %	80 %
Analysis Date		07/28/03	07/26/03	07/26/03
Analysis Time		11:44	00:51	00:13
Batch ID		L8247	L8247	L8247
Analyst		VP	VP	VP

Pesticides/PCB's (608)

Aldrin	ug/l	<0.050	<0.050	<0.050
alpha-BHC	ug/l	<0.050	<0.050	<0.050
beta-BHC	ug/l	<0.050	<0.050	<0.050
gamma-BHC (Lindane)	ug/l	<0.050	<0.050	<0.050
delta-BHC	ug/l	<0.050	<0.050	<0.050

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65675-3	Scholz Ashpond Composite	Liquid	07/23/03	07/23/03 10:07	
Parameter	Units	Lab Sample IDs			
		65675-1	65675-2	65675-3	

Pesticides/PCB's (608)

Chlordane (technical)	ug/l	<0.50	<0.50	<0.50
4,4'-DDT	ug/l	<0.10	<0.10	<0.10
4,4'-DDE	ug/l	<0.10	<0.10	<0.10
4,4'-DDD	ug/l	<0.10	<0.10	<0.10
Dieldrin	ug/l	<0.10	<0.10	<0.10
alpha-Endosulfan	ug/l	<0.050	<0.050	<0.050
beta-Endosulfan	ug/l	<0.10	<0.10	<0.10
Endosulfan sulfate	ug/l	<0.10	<0.10	<0.10
Endrin	ug/l	<0.10	<0.10	<0.10
Endrin aldehyde	ug/l	<0.10	<0.10	<0.10
Heptachlor	ug/l	<0.050	<0.050	<0.050
Heptachlor epoxide	ug/l	<0.050	<0.050	<0.050
Aroclor-1242	ug/l	<1.0	<1.0	<1.0
Aroclor-1254	ug/l	<1.0	<1.0	<1.0
Aroclor-1221	ug/l	<2.0	<2.0	<2.0
Aroclor-1232	ug/l	<1.0	<1.0	<1.0
Aroclor-1248	ug/l	<1.0	<1.0	<1.0
Aroclor-1260	ug/l	<1.0	<1.0	<1.0
Aroclor-1016	ug/l	<1.0	<1.0	<1.0
Toxaphene	ug/l	<5.0	<5.0	<5.0
Analysis Date		07/29/03	07/29/03	07/29/03
Analysis Time		21:59	22:35	23:12
Batch ID		5687	5687	5687
Analyst		MNS	MNS	MNS

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-4	Scholz Discharge Grab	Liquid	07/23/03	07/23/03 11:16	
65675-5	Scholz Intake Grab	Liquid	07/23/03	07/23/03 11:11	
65675-6	Scholz Ashpond Grab	Liquid	07/23/03	07/23/03 11:21	
Parameter	Units	Lab Sample IDs			
		65675-4	65675-5	65675-6	

Cyanide (335.2)

Cyanide	mg/l	<0.010	<0.010	<0.010
Analysis Date		08/07/03	08/07/03	08/07/03
Analysis Time		16:49	16:49	16:49
Batch ID		0806B	0806B	0806B
Analyst		FSB	FSB	FSB

Phenolics, Total Recoverable (420.1)

Phenolics, Total Recoverable	mg/l	<0.010	<0.010	<0.010
Analysis Date		07/28/03	07/28/03	07/28/03
Analysis Time		12:15	12:15	12:15
Batch ID		072803	072803	072803
Analyst		AH	AH	AH

Oil and Grease (HEM 1664) (1664A)

n-Hexane extractable material

(HEM)	mg/l	<5.0 m	<5.0 u	<5.0 u
Analysis Date		07/24/03	07/29/03	07/29/03
Analysis Time		10:00	13:00	13:00
Batch ID		0724A	0729A	0729A
Analyst		HL	HL	HL

Fecal Coliform MF (SM9222B)

Fecal Coliform MF	col/100mls	7	11	60
Analysis Date		07/23/03	07/23/03	07/23/03
Analysis Time		15:30	15:30	15:30
Batch ID		0723.1	0723.1	0723.1
Analyst		RDM	RDM	RDM

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-7	Reporting Limit (RL)	Liquid	07/23/03		
65675-8	Method Detection Limit (MDL)	Liquid	07/23/03		
Parameter	Units	Lab Sample IDs			
		65675-7	65675-8		

ICP Metals (200.7 Rev 4.4)

Aluminum	mg/l	0.20	0.015
Barium	mg/l	0.010	0.00017
Boron	mg/l	0.050	0.0025
Cobalt	mg/l	0.010	0.00060
Iron	mg/l	0.050	0.015
Magnesium	mg/l	0.50	0.0056
Molybdenum	mg/l	0.010	0.00090
Manganese	mg/l	0.010	0.00015
Tin	mg/l	0.010	0.0019
Titanium	mg/l	0.010	0.00079
Arsenic	mg/l	0.010	0.0021
Beryllium	mg/l	0.0040	0.00020
Cadmium	mg/l	0.0050	0.00031
Chromium	mg/l	0.010	0.00089
Copper	mg/l	0.020	0.00051
Lead	mg/l	0.0050	0.0012
Nickel	mg/l	0.040	0.0012
Selenium	mg/l	0.010	0.0030
Silver	mg/l	0.010	0.00085
Zinc	mg/l	0.020	0.0025
Calcium	mg/l		0.00060

Mercury (245.1)

Mercury	mg/l	0.00050	0.00020
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Volatile Organic Compounds (624)

Acrolein (Propenal)	ug/l	20	9.6
Acrylonitrile	ug/l	20	0.67
Benzene	ug/l	1.0	0.12
Bromoform	ug/l	1.0	0.18
Carbon tetrachloride	ug/l	1.0	0.56
Chlorobenzene	ug/l	1.0	0.17
Dibromochloromethane	ug/l	1.0	0.11

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-7	Reporting Limit (RL)	Liquid	07/23/03		
65675-8	Method Detection Limit (MDL)	Liquid	07/23/03		
Parameter	Units	Lab Sample IDs			
		65675-7	65675-8		

Volatile Organic Compounds (624)

Chloroethane	ug/l	1.0	0.84
2-Chloroethylvinyl ether	ug/l	10	4.0
Chloroform	ug/l	1.0	0.18
Dichlorobromomethane	ug/l	1.0	0.20
1,1-Dichloroethane	ug/l	1.0	0.14
1,2-Dichloroethane	ug/l	1.0	0.15
1,1-Dichloroethene	ug/l	1.0	0.38
1,2-Dichloropropane	ug/l	1.0	0.15
1,3-Dichloropropylene	ug/l	2.0	0.28
Ethylbenzene	ug/l	1.0	0.56
Bromomethane	ug/l	1.0	0.80
Chloromethane	ug/l	1.0	0.15
Methylene chloride			
(Dichloromethane)	ug/l	5.0	0.45
1,1,2,2-Tetrachloroethane	ug/l	1.0	0.25
Tetrachloroethene	ug/l	1.0	0.20
Toluene	ug/l	1.0	0.19
trans-1,2-Dichloroethene	ug/l	1.0	0.24
1,1,1-Trichloroethane	ug/l	1.0	0.19
1,1,2-Trichloroethane	ug/l	1.0	0.31
Trichloroethene	ug/l	1.0	0.29
Vinyl chloride	ug/l	1.0	0.22

Semivolatile Organic Compounds (625)

Acenaphthene	ug/l	0.20
Acenaphthylene	ug/l	0.20
Anthracene	ug/l	0.20
Benzidine	ug/l	80
Benzo(a)anthracene	ug/l	0.20
3,4-BenzoFluoranthene	ug/l	0.20
Benzo(a)pyrene	ug/l	0.20
Benzo(k)Fluoranthene	ug/l	0.20
Benzo(g,h,i)perylene	ug/l	0.20
4-Bromophenylphenyl ether	ug/l	10

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-7	Reporting Limit (RL)	Liquid	07/23/03		
65675-8	Method Detection Limit (MDL)	Liquid	07/23/03		

Parameter	Units	65675-7	65675-8
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Semivolatile Organic Compounds (625)

Butylbenzylphthalate	ug/l	10	
bis(2-Chloroethoxy)methane	ug/l	10	
bis(2-Chloroethyl)ether	ug/l	10	
4-Chloro-3-methylphenol			
(p-Chloro-m-cresol)	ug/l	10	
2-Chloronaphthalene	ug/l	10	
2-Chlorophenol	ug/l	10	1.0
4-Chlorophenylphenyl ether	ug/l	10	
Chrysene	ug/l	0.20	
Dibenzo(a,h)anthracene	ug/l	0.20	
Di-n-butylphthalate	ug/l	10	
1,2-Dichlorobenzene	ug/l	10	
1,3-Dichlorobenzene	ug/l	10	
1,4-Dichlorobenzene	ug/l	10	
3,3'-Dichlorobenzidine	ug/l	20	
2,4-Dichlorophenol	ug/l	10	
Diethylphthalate	ug/l	10	
2,4-Dimethylphenol	ug/l	10	
Dimethylphthalate	ug/l	10	
4,6-Dinitro-2-methylphenol			
(4,6-Dinitro-o-cresol)	ug/l	50	
2,4-Dinitrophenol	ug/l	50	
2,4-Dinitrotoluene	ug/l	10	
2,6-Dinitrotoluene	ug/l	10	
1,2-Diphenylhydrazine	ug/l	10	
Di-n-octylphthalate	ug/l	10	
bis(2-Ethylhexyl)phthalate	ug/l	10	
Fluoranthene	ug/l	0.20	
Fluorene	ug/l	0.20	
Hexachlorobenzene	ug/l	10	
Hexachlorobutadiene	ug/l	10	
Hexachlorocyclopentadiene	ug/l	10	
Hexachloroethane	ug/l	10	
Indeno(1,2,3-cd)pyrene	ug/l	0.20	
Isophorone	ug/l	10	

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-7	Reporting Limit (RL)	Liquid	07/23/03		
65675-8	Method Detection Limit (MDL)	Liquid	07/23/03		
Lab Sample IDs					
Parameter	Units	65675-7	65675-8		

Semivolatile Organic Compounds (625)

Naphthalene	ug/l	0.20	
Nitrobenzene	ug/l	10	
2-Nitrophenol (o-Nitrophenol)	ug/l	10	
4-Nitrophenol (p-Nitrophenol)	ug/l	50	
N-Nitrosodimethylamine	ug/l	10	
N-Nitrosodiphenylamine	ug/l	10	
n-Nitrosodi-n-propylamine	ug/l	10	
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether]	ug/l	10	
Pentachlorophenol	ug/l	15	2.1
Phenanthrene	ug/l	0.20	
Phenol	ug/l	10	
Pyrene	ug/l	0.20	
1,2,4-Trichlorobenzene	ug/l	10	
2,4,6-Trichlorophenol	ug/l	10	2.4

Pesticides/PCB's (608)

Aldrin	ug/l	0.050	0.0030
alpha-BHC	ug/l	0.050	0.0018
beta-BHC	ug/l	0.050	0.0038
gamma-BHC (Lindane)	ug/l	0.050	0.0074
delta-BHC	ug/l	0.050	0.0038
Chlordane (technical)	ug/l	0.50	0.070
4,4'-DDT	ug/l	0.10	0.0088
4,4'-DDE	ug/l	0.10	0.0017
4,4'-DDD	ug/l	0.10	0.0028
Dieldrin	ug/l	0.10	0.0017
alpha-Endosulfan	ug/l	0.050	0.0026
beta-Endosulfan	ug/l	0.10	0.0024
Endosulfan sulfate	ug/l	0.10	0.0017
Endrin	ug/l	0.10	0.0035
Endrin aldehyde	ug/l	0.10	0.012
Heptachlor	ug/l	0.050	0.0025
Heptachlor epoxide	ug/l	0.050	0.0026

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
65675-7	Reporting Limit (RL)	Liquid	07/23/03		
65675-8	Method Detection Limit (MDL)	Liquid	07/23/03		

Parameter	Units	Lab Sample IDs	
		65675-7	65675-8

Pesticides/PCB's (608)

Aroclor-1242	ug/l	1.0	0.29
Aroclor-1254	ug/l	1.0	0.29
Aroclor-1221	ug/l	2.0	0.29
Aroclor-1232	ug/l	1.0	0.29
Aroclor-1248	ug/l	1.0	0.29
Aroclor-1260	ug/l	1.0	0.29
Aroclor-1016	ug/l	1.0	0.29
Toxaphene	ug/l	5.0	0.55

Oil and Grease (HEM 1664) (1664A)

n-Hexane extractable material
(HEM)

mg/l	0.55	5.0
------	------	-----

M code indicates result is between Reporting Limit (RL) and Method Detection Limit (MDL).

U code indicates result is less than MDL.

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

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PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS										PAGE	OF									
SAMPLER'S SIGNATURE		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)											STANDARD REPORT DELIVERY						
CLIENT (SITE) PM		CLIENT PHONE	CLIENT FAX																DATE DUE						
CLIENT NAME		CLIENT E-MAIL											EXPEDITED REPORT DELIVERY (SURCHARGE)												
CLIENT ADDRESS												DATE DUE													
COMPANY CONTRACTING THIS WORK (if applicable)														NUMBER OF COOLERS SUBMITTED PER SHIPMENT:											
SAMPLE		SAMPLE IDENTIFICATION												NUMBER OF CONTAINERS SUBMITTED										REMARKS	
DATE	TIME																								
7/23/03	9:30	Discharge																							
	9:30	Discharge																							
	8-9 7/23-7/23	Discharge																							
	9:30	Discharge																							
	11:16	Discharge																							
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME														
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME														
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT YES NO		CUSTODY SEAL NO.		STL MOBILE LOG NO.		LABORATORY REMARKS															

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PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS								PAGE	OF												
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	None	A-PP, BN-PP, Pest-PP, 1613	HCE	None	General	Metals, Radiological	Metals	Nutrients	MBAS	Sulfide	STANDARD REPORT DELIVERY ☐											
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX													DATE DUE _____										
CLIENT NAME	CLIENT E-MAIL														EXPEDITED REPORT DELIVERY (SURCHARGE) ☐										
CLIENT ADDRESS		DATE DUE _____																							
COMPANY CONTRACTING THIS WORK (if applicable)															NUMBER OF COOLERS SUBMITTED PER SHIPMENT:										

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED												REMARKS
DATE	TIME																			
		A-PP, BN-PP, Pest-PP, 1613						5												
7/23/03	9:01	Intake	C					5												
	9:01	Intake	C						1											
	9:01	Intake	C							2										
	9:01	Intake	C								3									
	9:01	Intake	C								1									
	9:01	Intake	C									1								
	9:01	Intake	C										1							
	9:01	Intake	C											1						

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>Ma</i>			<i>Ma J. Hoff</i>	7/27/03	1435			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>Ma</i>			<i>Ma</i>	7/23/03	1435			

LABORATORY USE ONLY		CUSTODY INTACT		CUSTODY SEAL NO.	STL MOBILE LOG NO.	LABORATORY REMARKS
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	YES ☐			
<i>Ma J. Hoff</i>	7-23-03	1655	NO ☐		M36567165	2.0°

Serial Number 04874

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PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE	OF	
SAMPLER'S SIGNATURE		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	HCL	H ₂ SO ₄	HCL	NaOH	None	Fecal Coliform						STANDARD REPORT DELIVERY ☐	
CLIENT (SITE) PM Scholz Plant		CLIENT PHONE 850-444-6429	CLIENT FAX 850-444-6217													DATE DUE _____	
CLIENT NAME Gulf Power-Joe Neese		CLIENT E-MAIL jneese@southernco.com														EXPEDITED REPORT DELIVERY (SURCHARGE) ☐	
CLIENT ADDRESS One Energy Place Pensacola, FL 32520-0328		COMPANY CONTRACTING THIS WORK (if applicable)														DATE DUE _____	
SAMPLE		SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED										REMARKS		
DATE	TIME																
7/23/03	8:39	Intake			G	✓											
7/23/03	8:38	Intake			G	✓											
7/22-7/23/03	See yal	Intake			G	✓											
7/23/03	8:40	Intake			G	✓											
7/23/03	11:11	Intake			G	✓											
		Intake															
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME		
<i>Matthew</i>		7/23/03	14:35	<i>Matthew</i>		7/23/03	14:35	<i>Matthew</i>		7/23/03	14:35	<i>Matthew</i>		7/23/03	14:35		
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME		
<i>Sam</i>		7-23-03	1655	<i>Sam</i>		7-23-03	1655	<i>Sam</i>		7-23-03	1655	<i>Sam</i>		7-23-03	1655		
CEIVED FOR LABORATORY BY:		DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL MOBILE LOG NO.	LABORATORY REMARKS										
<i>Sam</i>		7-23-03	1655	YES ☐ NO ☐		M36567	2.0°										

Serial Number U487U

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PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE	OF
SAMPLER'S SIGNATURE		P.O. NUMBER	CONTRACT NO.													
CLIENT (SITE) PM Scholtz Plant		CLIENT PHONE 850-444-6429	CLIENT FAX 850-444-6217												STANDARD REPORT DELIVERY ☐	
CLIENT NAME Gulf Power - Joe Neese		CLIENT E-MAIL jhneese@southernco.com													DATE DUE _____	
CLIENT ADDRESS One Energy Place Pensacola, FL 32520-0328															EXPEDITED REPORT DELIVERY (SURCHARGE) ☐	
COMPANY CONTRACTING THIS WORK (if applicable)															DATE DUE _____	
SAMPLE		SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE	None	HCL	None	HNO ₃	HNO ₃	H ₂ SO ₄	None	ZnAc	Su Fide	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
DATE	TIME			COMPOSITE (C) OR GRAB (G) INDICATE	None	HCL	None	HNO ₃	HNO ₃	H ₂ SO ₄	None	ZnAc	Su Fide	REMARKS		
7/23/03	10:07	Ash Pond		C	5											
		Ash Pond		C		1										
		Ash Pond		C			2									
		Ash Pond		C				3								
		Ash Pond		C					1							
		Ash Pond		C						1						
		Ash Pond		C							1					
		Ash Pond		C								1				
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME					
CEIVED BY: (SIGNATURE)		DATE	TIME	CEIVED BY: (SIGNATURE)		DATE	TIME	CEIVED BY: (SIGNATURE)		DATE	TIME					
LABORATORY USE ONLY		LABORATORY USE ONLY		LABORATORY USE ONLY		LABORATORY USE ONLY		LABORATORY USE ONLY		LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT YES ☐ NO ☐		CUSTODY SEAL NO.		STL MOBILE LOG NO.		LABORATORY REMARKS						
		7/23/03	1446					M36565		1.9°C						

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