forward to Trina - FYI

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

June 7, 2005

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Jennette Curtis
Environmental Director
City of Tallahassee
300 South Adams, St.
Tallahassee, FL 32301-1731

RE: Sam O. Purdom Generating Station
Modification to Conditions of Certification
DEP Case Number PA 97-36B
OGC Case Number 05-0844

INTENT TO MODIFY CONDITIONS OF CERTIFICATION

Dear Ms. Curtis:

On December 23, 2002, the Department of Environmental Protection (DEP) issued a final Title –V permit revision and a NPDES permit renewal was issued on June 3, 2004 for City of Tallahassee – Sam O. Purdom Generating Station (Purdom). Review of the Conditions of Certification for Purdom indicated that a modification would be necessary.

The Department therefore gives notice to Purdom of its intent to modify the conditions of certification for **Purdom** (PA 97-36) to incorporate a final Title V Permit revision and a NPDES permit renewal into the Conditions of Certification. Pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, Florida Administrative Code ("F.A.C."), all parties to the certification proceeding have 45 days from the issuance of this corrected notice by mail to such party's last address of record in which file a written objection to the modification. A public notice will be published on the Department's internet home page at http://www.dep.state.fl.us/ under the link or button titled "Official Notices" regarding this Intent to Modify the Conditions of Certification. Any person who is not already a party to the certification proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice on the FAW to object in writing. Failure to act within the time frame constitutes a waiver of the right to become a party.

Written objections must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000. If the Department does not receive any written objections, then an Order Modifying the Conditions of Certification shall be issued by the Department. If written objections are timely filed which address only a portion of the modification, then pursuant to Rule 62-17.211(1)(b)5., F.AC. the Department shall issue an Order approving that portion of the modification to which no objections were filed, unless that portion of the modification is substantially related to or necessary to implement the portion to which written objections are filed. If written objections are raised, then pursuant to Section 403.516(1)(c), F.S., the applicant may file a petition for modification with the Department and the Division of Administrative Hearings seeking approval for those portions of the modification to which written objections were timely filed.

Mediation is not available in this proceeding.

Any questions regarding this Intent to Modify Conditions of Certification should be directed to Hamilton S. Oven at (850) 245-8002. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Such contact with any of the above does not constitute an objection to the modification.

Sincerely,

Hamilton S. Oven

Hamilton S. Oven, P.E.
Administrator, Siting Coordination Office

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.

Sandra Karakow 6/8/05

Clerk Date

CC by certified mail:

James Antista, Esquire
Fish and Wildlife Conservation Commission
6230 South Meridian Street
Tallahassee, FL 32399-1600

Mary Ann Helton, Esquire
Florida Public Service Commission
Gerald Gunter Building
2450 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Greg Smith
Northwest Water Mgmt. District
160 Governmental Center,
Suite 308
Pensacola, FL 32502

Parwez Alam
County Administrator
Leon County Courthouse
310 S. Monroe St.
Tallahassee, FL 32301

Parrish Barwick
Wakulla County Administrator
3093 Crawfordville Highway
Crawfordville FL 32327

And by hand delivery to:

Scott A. Goorland, Esquire
Department of Environmental Protection
3900 Commonwealth Blvd.
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Tallahassee, FL 32399-3000

Craig Varn, Esquire
Department of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100

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2600 Blair Stone Road MS 5500
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XX/XX/05

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Jennette Curtis
Environmental Director
City of Tallahassee
300 South Adams, St.
Tallahassee, FL 32301-1731

RE: Sam O. Purdom Generating Station
Modification to Conditions of Certification
DEP Case Number PA 97-36B
OGC Case Number 05-0844

FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Ms. Curtis:

On December 23, 2002, the Department of Environmental Protection (DEP) issued a final Title –V permit revision and a NPDES permit renewal was issued on June 3, 2004 for City of Tallahassee – Sam O. Purdom Generating Station (Purdom). Review of the Conditions of Certification for Purdom indicated that a modification would be necessary.

On or before June 10, 2005 all parties to the certification proceeding were provided with notice by certified mail of the Department's intent to modify the Conditions of Certification for this facility, along with a copy of the proposed Order Modifying Conditions of Certification. Additionally, on June 17, 2005, notice of the Department's intent to modify the Conditions of Certification for this facility was published on the Department's internet home page at http://www.dep.state.fl.us/ under the link or button titled "Official Notices." Those notices specified that pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, Florida Administrative Code ("F.A.C."), all parties to the certification proceeding have 45 days from the issuance of notice by mail to such party's last address of record in which to file a written objection to the modification; that any person who is not already a party to the certification proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice on the Department's internet home page to

object in writing; that failure to act within the time frame constitutes a waiver of the right to become a party; and that the Department will issue an Order Modifying the Conditions of Certification for this facility if no written objections are received by the Department.

No objections to the modification have been received by the Department. The Conditions of Certification for Purdom are hereby modified as follows:

- All reference to 'permittee' is changed to licensee
- Final Title V Permit No. 129001-007-AV is attached and incorporated as Appendix A
- NPDES Permit FL0025526 is attached and incorporated as Appendix B

III. GENERAL CONDITIONS

A. Facilities Operation

3. The City shall comply with the terms and conditions contained in NPDES Permit FL0025526, Permit No. PSD-FL- 239/PA97-35, Title V Permit No. 1290001-007-AV and any revisions, modifications or reissuances thereof.

XIII. AIR

A. ~~Unit 8 General Operation Requirements~~ Administrative

1. ~~Applicable Regulations: Unless otherwise indicated in this permit, the construction and operation of the subject emission unit(s) shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-103, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, 62-297; and the applicable requirements of the Code of Federal Regulations Section 40, Part 60 including Subpart A and GG (1997 version), adopted by reference in the Florida Administrative Code regulation [Rule 62-204.800 F.A.C.]. Issuance of this certification does not relieve the facility owner or operator from compliance with any applicable federal permitting requirements or regulations. [Rule 62-210.300, F.A.C.]~~
All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation, MS 5500, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, telephone (850) 488-1344, and the Siting Coordination Office, MS 48, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, telephone (850) 245-8001. All documents related to reports, tests, and notifications should be submitted to the Department's Northwest District Office,
160 Government Center, Pensacola, FL 32501-5794, Phone Number - (850) 595-8300

2. ~~The maximum heat input rates, based on the lower heating value (LHV) of each fuel to Purdom Unit 8 at ambient conditions of 95°F temperature, 60% relative humidity,~~

~~and 14.7 psi pressure shall not exceed 1,467.7 mmBtu/hr when firing natural gas, nor 1,659.5 mmBtu/hr when firing No. 2 fuel oil. These maximum heat input rates will vary depending upon ambient conditions and the combustion turbine characteristics. Manufacturer's curves corrected for site conditions or equations for correction to other ambient conditions shall be provided to the Department of Environmental Protection (DEP) within 45 days of completing the initial compliance testing. These curves or equations shall be used to establish the maximum allowable heat inputs at other ambient conditions for compliance determinations.~~ The terms, conditions, requirements, limitations, and restrictions set forth in Title V Final Permit - 1290001-007 -AV Section III, Subsection F, which is attached as Appendix A to these Conditions, and any modification or amendment to such Title V permit, are incorporated by reference herein, and are binding and enforceable Conditions of this Certification. The licensee is subject to and shall comply with the terms, conditions, requirements, limitations, restrictions set forth in Appendix A. A violation of the terms conditions, requirements, limitations and restrictions in Appendix A is a violation of these Conditions of Certification.

3. ~~Purdom Unit 8 may operate continuously (i.e., 8760 hours per year).~~ The Department is delegated the authority to modify these Conditions of Certification to conform them to any subsequently issued amendment or modification to Permit No. 1290001-007 -AV, pursuant to Conditions XI.

4. ~~Only natural gas or No. 2 fuel oil with a maximum sulfur content of 0.05% by weight shall be fired in the combined cycle combustion turbine.~~ The provisions set forth in Conditions XIII.B excerpted from Permit Title V - 1290001-007 – AV Section III, Subsection F, and are a portion of the provisions that will be enforced.

~~5. The Permittee Licensee shall install duct module(s) suitable for possible future installation of SCR equipment on the combined cycle generating unit.~~

~~6. Dry low NO_x combustors shall be used on Unit 8 when firing natural gas and water injection shall be used when firing No. 2 fuel oil for control of NO_x emissions.~~

~~7. During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary.~~

~~8. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the owner or operator shall notify the Northwest District Office of DEP as soon as possible, but at least within (1) working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; the steps being taken to correct the problem and prevent future recurrence; and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee~~

~~from any liability for failure to comply with the conditions of this permit and the regulations. [Rule 62-4.130, F.A.C.]~~

~~9. Operating Procedures: Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. All operators (including supervisors) of air pollution control devices shall be properly trained in plant specific equipment. [Rule 62-4.070(3), F.A.C.]~~

~~10. The dry low NOx burner system shall be tuned upon initial operation to optimize emissions reductions and shall be maintained to minimize NOx emissions and CO emissions. While firing natural gas, operation of the unit when the dry low NOx burner system is in the diffusion firing mode shall be minimized.~~

~~11. Circumvention: The owner or operator shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rules 62-210.650, F.A.C.]~~

B. Unit 8 ~~Emission Limits and Standards~~

1. Description:

This emissions unit is a combined cycle combustion turbine (CT) system designated as Unit 8. It consists of a 160 MW (nominal rating) GE Series 7FA combustion turbine with DLN-2.6 (or later version) dry low NOX (gas) and water injection (diesel) burners and a non-fired heat recovery steam generator (HRSG) with a nominal 90 MW steam turbine. The turbine can be fired either by natural gas or no. 2 fuel oil. The compressor inlet air will be conditioned by an evaporative cooler when needed. The turbine is started using the generator and a static start system. Unit 8 also includes a new cooling tower.

2. Permitted Capacity:

Unit No.	MMBtu/hr Heat Input	Fuel Type
8	1696 (LHV @ 59 degrees Fahrenheit, 60% Relative Humidity, and 14.7 psi)	Natural Gas
	1897 (LHV @ 59 degrees Fahrenheit, 60% Relative Humidity, and 14.7 psi)	No. 2 Fuel Oil

These maximum heat input rates will vary depending upon compressor inlet conditions and the combustion turbine characteristics. Manufacturer's curves or equations for correction to other compressor inlet conditions shall have been provided to the Department of Environmental Protection (DEP) within 45 days of completing the initial compliance testing and shall be resubmitted at any time that they are changed as the result of new testing. These curves or

equations shall be used to establish the maximum allowable heat inputs at other compressor inlet conditions for compliance determinations.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; 40 CFR 60.332(b); and, PSD-FL-239/PA97-36.]

~~The following shall apply upon completion of the initial compliance tests:~~

~~1.~~3. ~~Best Available Control Technology.~~ Emission Limits and Standards

The following is a summary of the BACT determinations by DEP:

Table 1. Emission Limits

Pollutant	Fuel	BACT Standard
NOx	Gas	12 ppmvd @ 15 % O_2 (a) (d)
	Oil	42 ppmvd @ 15 % O_2 (a) (b) (d)
SO_2	Gas	Good combustion
	Oil	Good combustion of low (0.05%) sulfur fuel oil
PM/PM_{10}	Gas	Good combustion
	Oil	Good combustion of low (0.05%) sulfur fuel oil
Visible Emissions	Gas	10 percent opacity
	Oil	10 percent opacity
CO	Gas	25 ppmvd (c)
	Oil	90 ppmvd (c)

(a) 30-day rolling average excluding startup, shutdown, malfunction, and fuel switching.
(b) Plus an allowance for fuel bound nitrogen using the formula provided in Condition XIII.B.4.
(c) By testing concurrent to RATA testing or by 3 one hour runs of Method 10.
(d) Not corrected to ISO conditions.

~~2.~~ a. Visible Emissions. Visible emissions shall not exceed 10 percent opacity when firing either natural gas or No. 2 fuel oil. Drift eliminators shall be installed on the cooling tower to reduce PM/PM_{10} emissions.

~~3.~~ b. Oxides of Nitrogen. Oxides of nitrogen emissions when firing natural gas shall not exceed 12 ppmvd at 15% O_2, not corrected to ISO conditions, on a 30-day rolling average basis (except during periods of startup, shutdown, malfunction or fuel switching), as measured by CEMS. When monitoring data is not available, substitution for missing data shall be handled as required by Title IV (40 CFR 75) to calculate the 30 day rolling average.

~~4.~~ c. Oxides of Nitrogen. Oxides of nitrogen emissions when firing No. 2 fuel oil shall not exceed 42 ppmvd at 15% O_2 on a 30-day rolling average basis (except during periods of startup, shutdown, malfunction or fuel switching), as measured by CEMS, when fuel bound nitrogen (FBN) values are less than or equal to 0.015 percent. For fuel bound

nitrogen values up to 0.03 percent, the allowance (and the adjusted standard) shall be determined, recorded, and maintained upon each new fuel delivery by the following formula:

STD = 0.0042 + F where:
STD = allowable NO_X emissions (percent by volume at 15 percent O_2 and on a dry basis).
F = NO_X emission allowance for fuel-bound nitrogen defined by the following table:

Fuel-Bound Nitrogen(% by Weight)	**F (NO_X % by Volume)**
$0 < N \leq 0.015$	0
$0.015 < N \leq 0.03$	0.04 (N-0.015)

where: N = the nitrogen content of the fuel (% by weight)

Note: 0.0042 percent = 42 ppm

~~5.~~ d. Oxides of Nitrogen. Beginning with the calendar year following successful completion of the initial performance test for Unit 8, annual emissions of NO_X shall not exceed 467 tons per year from the Purdom facility (Unit 8, Unit 7, GT1, GT2, and the auxiliary boiler) on a calendar year basis, as measured by applicable compliance methods. [Requested by the applicant]

~~6.~~ e. Sulfur Dioxide. Beginning with the calendar year following successful completion of the initial performance test for Unit 8, annual emissions of SO_2 shall not exceed 80 tons per year from the Purdom facility (Unit 8, Unit 7, GT1, GT2, and the auxiliary boiler) on a calendar year basis, as measured by applicable compliance methods. [Requested by the applicant]

~~7.~~ f. Carbon Monoxide. Carbon monoxide emissions when firing natural gas shall not exceed 25 ppmvd as measured by Method 10.

~~8.~~ g. Carbon Monoxide. Carbon monoxide emissions when firing No. 2 fuel oil shall not exceed 90 ppmvd as measured by Method 10.

~~C~~.4. Unit 8 Excess Emissions

~~1.~~ a. Excess emissions resulting from startup, shutdown, malfunction or fuel switching shall be permitted provided that best operational practices are adhered to and the duration of excess emissions shall be minimized but in no case exceed four hours in any 24-hour period for cold startup or two hours in any 24-hour period for other reasons unless specifically authorized by DEP for longer duration.

~~2.~~ b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be

prevented during startup, shutdown or malfunction shall be prohibited pursuant to Rule 62-210.700, F.A.C.

~~3.~~ c. Excess Emissions Report: If excess emissions occur due to malfunction, the owner or operator shall notify DEP's Northwest District office within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the New Source Performance Standards, excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. [Rules 62-4.130 and 62-210.700(6), F.A.C.]

5. Compliance, Reporting and Record Keeping:

~~D. Unit 8 Compliance Determination~~

~~1. Compliance with the allowable emission limiting standards shall be determined within 60 days after achieving the maximum production rate, for each fuel, at which this unit will be operated, but not later than 180 days of initial operation of the unit for that fuel, and annually thereafter as indicated in this permit, by using the following reference methods as described in 40 CFR 60, Appendix A (1997 version), and adopted by reference in Chapter 62-297, F.A.C.~~

~~Initial (I) compliance tests shall be performed on Unit 8 while firing each fuel (gas, oil).~~

a. Annual (A) compliance tests shall be performed during every federal fiscal year (October 1 - September 30) pursuant to Rule 62-297.340, F.A.C.~~, on Unit 8 as indicated. The following reference methods shall be used:~~

~~Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources (I, A); annual on oil if greater than 400 hours of oil firing; however, testing on gas is required only once every five years.~~

~~Method 10 Determination of Carbon Monoxide Emissions from Stationary Sources (I, A). Testing may be conducted at less than capacity. Annual compliance testing may be conducted concurrent with the annual RATA testing required pursuant to 40 CFR 75 (gas only).~~

~~Method 20 Determination of Oxides of Nitrogen and diluent emissions from Stationary Gas Turbines (I only, for compliance with 40 CFR 60 Subpart GG) Determination of Oxides of Nitrogen emissions will be by a Continuous Emissions Monitoring System (CEMs). A CEMS operated and maintained in accordance with 40 CFR 75 may be used. Compliance with the NOx emissions standards in Table 1 shall be demonstrated with this CEMS system based on a 30 day rolling average. Based on CEMS data at the end of each operating day, a new 30 day average emission rate is calculated from the arithmetic average of all valid hourly~~

~~emission rates during the previous 30 operating days. Valid hourly emission rates shall not include periods of startup (including fuel switching), shutdown, or malfunction as defined in Rule 62-210.200 where emissions exceed the NOx standard in Table 1. These excess emission periods shall be reported as required in Section C. A valid hourly emission rate shall be calculated for each hour in which two NOx concentrations are obtained at least 15 minutes apart.~~

~~Note: No other methods may be used for compliance testing unless prior DEP approval is received in writing. The DEP may request a special compliance test pursuant to Rule 62-297.340(2), F.A.C., when, after investigation (such as complaints, increased visible emissions, or questionable maintenance of control equipment), there is reason to believe that any applicable emission standard is being violated.~~

~~2. Notwithstanding the requirements of Rule 62-297.340, F.A.C., the exclusive use of fuel oil with a maximum sulfur content limit of 0.05% or less, by weight, is the method for determining compliance for SO_2 and PM_{10}. For the purposes of demonstrating compliance with the 40 CFR 60.333 SO_2 standard and the 0.05% S limit, fuel oil analysis using ASTM D2880-71 or D4294 (or equivalent) for the sulfur content of liquid fuels and D1072-80, D3031-81, D4084-82 or D3246-81 (or equivalent) for sulfur content of gaseous fuel shall be utilized in accordance with the EPA approved custom fuel monitoring schedule in Condition XIII.F.3. However, the permittee is responsible for ensuring that the procedures above are used for determination of fuel sulfur content. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60.335 (c) (1997 version). For the purposes of demonstrating compliance with the emissions caps (Conditions XIII.B.5. and B.6.), natural gas and fuel oil supplier data for sulfur content may be submitted or the natural gas sulfur content referenced in 40 CFR 75 Appendix D may be utilized.~~

~~3.~~ b. An initial test for CO, concurrent with the initial NOx test, is required. The initial NOx and CO test results shall be the average of three valid one-hour runs. The DEP's Northwest District office shall be notified, in writing, at least 30 days prior to the initial compliance tests and at least 15 days before annual compliance test(s). Testing of emissions shall be conducted with the combustion turbine operating at permitted capacity. Permitted capacity is defined as 95-100 percent of the maximum heat input rate allowed by the permit, corrected for the average ambient air temperature during the test (with 100 percent represented by a curve depicting heat input vs. ambient temperature). If it is impracticable to test at permitted capacity, the source may be tested at less than permitted capacity. In this case, subsequent operation is limited by adjusting the entire heat input vs. ambient temperature curve downward by an increment equal to the difference between the maximum permitted heat input (corrected for ambient temperature) and 105 percent of the value reached during the test until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity. Compliance test results shall be submitted to the DEP's Northwest District office no later than 45 days after completion of the last test run.

~~E. Unit 8 Notification, Reporting and Recordkeeping~~

~~1. All measurements, records, and other data required to be maintained by the City of Tallahassee shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These records shall be made available to DEP representatives upon request.~~

~~2.~~ c. Emission Compliance Stack Test Reports: A test report indicating the results of the required compliance tests shall be filed with the DEP NW District Office as soon as practical, but no later than 45 days after the last sampling run is completed. [Rule 62-297.310(8), F.A.C.]. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8), F.A.C.

~~F. Unit 8 Monitoring Requirements~~

~~1. The permittee shall install, calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions from Unit 8. Thirty day rolling average periods when NOx emissions (ppmvd @ 15% oxygen) are above the BACT standards (12/42 ppmvd for gas/oil) shall be reported to the DEP Northwest District Office pursuant to Rule 62-4.160(8), F.A.C. The continuous emission monitoring systems must comply with the certification and quality assurance, and other applicable requirements from 40 CFR 75. Periods of startup, shutdown, malfunction, and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the standards in Table 1 following the format of 40 CFR 60.7 (1997 version). The NOx CEMS shall be used in lieu of the water/fuel monitoring system and fuel bound nitrogen (FBN) monitoring, as required for reporting excess emissions in accordance with 40 CFR 60.334(c)(1), Subpart GG (1997 version). The calibration of the water/fuel monitoring device required in 40 CFR 60.335 (c)(2) (1997 version) will be replaced by the 40 CFR 75 certification tests of the NOx CEMS. Upon request from DEP, the CEMS emission rates for NOx on Unit 8 shall be corrected to ISO conditions to demonstrate compliance with the NOx standard established in 40 CFR 60.332.}~~

~~2. The following monitoring schedule for No. 2 fuel oil shall be followed: For all bulk shipments of No. 2 fuel oil received at the Purdom Station, an analysis which reports the sulfur content and fuel bound nitrogen content of the fuel shall be provided by the fuel vendor or other sources which follow the appropriate fuel test methods listed in Specific Condition XIII.D.2. The analysis shall also specify the methods by which the analyses were conducted and shall comply with the requirements of 40 CFR 60.335(d).~~

~~3. The following custom monitoring schedule for natural gas is approved in lieu of the daily sampling requirements of 40 CFR 60.334 (b)(2).~~

~~a. Monitoring of natural gas nitrogen content shall not be required.~~

~~b. Analysis of the sulfur content of natural gas shall be conducted using one of the EPA-approved ASTM reference methods in Condition XIII.D.2. for the measurement of sulfur in gaseous fuels, or an approved alternative method. Once Unit 8 becomes operational, monitoring of the sulfur content of the natural gas shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60.333, then fuel sulfur monitoring shall be conducted once per quarter for six quarters and after that, semiannually.~~

~~c. Should any sulfur analysis indicate noncompliance with 40 CFR 60.333, the City shall notify DEP of such excess emissions and the customized fuel monitoring schedule shall be reexamined. The sulfur content of the natural gas will be monitored weekly during the interim period while the monitoring schedule is reexamined.~~

~~d. The City shall notify DEP of any change in natural gas supply for reexamination of this monitoring schedule. A substantial change in natural gas quality (i.e., sulfur content variation of greater than 1 grain per 100 cubic foot of natural gas) shall be considered as a change in the natural gas supply. Sulfur content of the natural gas will be monitored weekly by the natural gas supplier during the interim period when this monitoring schedule is being reexamined.~~

~~e. Records of sampling analysis and natural gas supply pertinent to this monitoring schedule shall be retained by the City for a period of five years, and shall be made available for inspection by the appropriate regulatory personnel.~~

~~f. The City may obtain the sulfur content of the natural gas from the fuel supplier provided the test methods listed in Specific Condition XII.D.2. are used.~~

~~4. Determination of Process Variables:~~

~~a. The permittee shall operate and maintain equipment and/or instruments necessary to determine process variables, such as process weight input or heat input, when such data is needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.~~

~~b. Equipment and/or instruments used to directly or indirectly determine such process variables, including devices such as belt scales, weigh hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5), F.A.C.]~~

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~~G. Unit 8 Rule Requirements~~

~~1. The emission unit shall be operated in compliance with all applicable requirements of 40 CFR 60, Subpart A, Appendix A and Appendix B (1997 version), Subpart GG - Standards of Performance for Stationary Gas Turbines (1997 version), and Rule 62-204.800 (7) (b) 38, F.A.C., except as otherwise specified herein. The Subpart GG requirement to correct test data to ISO conditions applies. However, such correction is not used for compliance determinations with the BACT standard(s). All notifications and reports required by this specific condition shall be submitted to the DEP's Northwest District office.~~

~~2. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements and regulations (Rule 62-210.300(1), F.A.C.).~~

~~3. Except as otherwise specified herein, the emission unit shall be operated in compliance with all applicable provisions of Rule 62-210.650, F.A.C.: Circumvention; Rule 62-210.700, F.A.C.: Excess Emissions; Rule 62-204.800 (7) (b) 38, F.A.C.: Standards of Performance for New Stationary Sources (NSPS); Chapter 62-297, F.A.C.: Stationary Sources – Emissions Monitoring; and, Rule 62-4.130, F.A.C.: Plant Operation - Problems.~~

~~4. If construction does not commence within 18 months of issuance of this permit, the permittee shall obtain from the DEP's Bureau of Air Regulation a review and, if necessary a modification of the BACT determination and allowable emissions [40 CFR 52.21(r)(2) (1997 version)].~~

~~5.~~ d. Quarterly excess emission reports, in accordance with 40 CFR 60.7 (7) (c) (1997 version), shall be submitted to the DEP's Northwest District office.

~~6.~~ e. Pursuant to Rule 62-210.370(2), F.A.C., Annual Operation Reports, the permittee is required to submit annual reports on the actual operating rates and emissions from this facility. Annual operating reports shall be sent to the DEP's Northwest District office by March 1st of each year.

~~7. Stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C.~~

~~8. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (Rule 62-4.090, F.A.C.).~~

f. All measurements, records, and other data required to be maintained by the City of Tallahassee shall be retained for at least five (5) years following the date on which such

measurements, records, or data are recorded. These records shall be made available to DEP representatives upon request.

~~H. Unit 8 Modifications~~

~~The permittee shall give written notification to the Department when there is any modification to this facility. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to, information describing the precise nature of the change; modifications to any emission control system; production capacity of the facility before and after the change; and the anticipated completion date of the change.~~

~~I. Compliance with Facility-Wide Caps~~

~~1.~~ g. Compliance with the annual facility-wide NOx cap shall be determined by adding the annual NO_X emissions in tons per year determined by the CEMS required by 40 CFR 75 for Unit 8 along with existing Unit 7 to annual NOx emissions calculated for existing units GT1, GT2 and the auxiliary boiler determined by the following formulas:

GT 1 & GT 2 NOx (natural gas) = (Fuel Usage) X (Heating Value of Natural Gas) X (0.44 lb/mmBtu) X units conversion factors
Fuel Usage shall be measured by fuel meter, recorded daily when unit is operated
Heating Value of Natural Gas will be determined from fuel supplier data
0.44 lb/mmBtu = AP-42 emission factor

GT 1 & GT 2 NOx (fuel oil)= (Fuel Usage) X (Heating Value of Fuel Oil) X (0.698 lb/mmBtu) X units conversion factors
Fuel Usage shall be measured by fuel meter, recorded daily when unit is operated
Heating Value of Fuel Oil will be determined from fuel supplier data
0.698 lb/mmBtu = AP-42 emission factor

Aux. Boiler NOx (natural gas) = (Fuel Usage) X (140 lb/mm CF) X units conversion factors
Fuel Usage shall be measured by flow meter, recorded daily when unit is operated140 lb/mmCF = AP-42 emission factor

~~2.~~ h. Compliance with the annual facility-wide SO_2 cap shall be determined by adding the annual SO_2 emissions in tons per year determined by the methods required by 40 CFR 75 for Unit 8 along with existing Unit 7 to annual SO_2 emissions calculated for existing units GT1, GT2 and the auxiliary boiler determined by the following formulas:

GT 1 & GT 2 SO_2 Emissions (natural gas)= (Fuel Usage) X (Heating Value of Natural Gas) X (0.0006 lb/mmBtu) X units conversion factors
Fuel Usage shall be measured by fuel meter, recorded daily when unit is operated

Heating Value of Natural Gas from fuel supplier data
Sulfur Content default of NADB = 0.0006 lb-SO2/mmBtu

GT 1 & GT 2 SO_2 Emissions (fuel oil) = (Fuel Usage) X (Fraction Sulfur in the fuel oil) X (Molecular weight SO2 / Molecular weight of S) X (Conversion factor) X units conversion factors

Fuel Usage shall be measured by fuel meter, recorded daily when unit is operated
% Sulfur will be determined from fuel oil analysis each time fuel is delivered (i.e., 0.05% S = 0.0005 in the above formula)
Molecular weight of SO_2 = 64
Molecular weight of S = 32
Conversion factor of 95% = 0.95

Aux. Boiler SO_2 Emissions (natural gas)= (Fuel Usage) X (Heating Value of Natural Gas) X (0.0006 lb/mmBtu) X units conversion factors

Fuel Usage shall be measured by fuel meter, recorded daily when unit is operated
Heating Value of Natural Gas from fuel supplier data
Sulfur Content default of NADB = 0.0006 lb/mmBtu

~~J. Purdom Station Conditions~~

~~For Purdom Station air operating conditions see the Title V Air Operation Permit, Permit No. 1290001-03-AV attached as Appendix I (Reserved).~~

XIV. Stormwater Discharge

B. New construction on the Purdom site must meet the requirements of Chapter 62-25 of the Florida Administrative Code, as well as the design requirements presented in the Site Certification Application (SCA). ~~The~~ Any new stormwater facilities associated with Purdom Unit 8 will not become operational until an engineer practicing in the State of Florida in compliance with Section 471.003(2)(d) Florida Statutes, and with the appropriate experience in surface water design, certifies that these facilities have been constructed in accordance with the design as approved by the Florida Department of Environmental Protection (FDEP).

XVII. NPDES

~~This Condition of Certification is issued under the provisions of Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. The City of Tallahassee is hereby authorized to operate the facilities shown in the Purdom Unit 8 Site Certification Application and other documents on file with the Department and made a part hereof and as specifically described in NPDES Permit No. FL 0025526. Until Permit No. FL 0025526 is updated to address Unit 8, the Purdom Station will be allowed to operate as follows:~~

The terms, conditions, requirements, limitations, and restrictions set forth in NPDES Final Permit No. FL 0025526, which is attached as Appendix B to these Conditions, and any modification or amendment to such NPDES permit, are incorporated by reference herein, and are binding and enforceable Conditions of this Certification. The licensee is subject to and shall comply with the terms, conditions, requirements, limitations, restrictions set forth in Appendix B. A violation of the terms conditions, requirements, limitations and restrictions in Appendix B is a violation of these Conditions of Certification. The Department is delegated the authority to modify these Conditions of Certification to conform them to any subsequently issued amendment or modification to Permit No. FL 0025526, pursuant to Conditions XI.

A. ~~Operation~~: Description:

~~Of an industrial wastewater treatment and disposal system to serve the referenced Purdom Station which includes a steam electric power generation plant and combustion turbine units. The facility presently includes three fossil fueled steam electric units, Units 5 and 6 each rated at 22 MW (nominal) and Unit 7 rated at 44 MW (nominal), and two combustion turbines, Units GT 1 and GT 2, each rated at 12.3 MW (nominal). After permanent shutdown of Units 5 and 6, Unit 8, a 250 MW (nominal) combined cycle unit will become operational. The existing facility discharge consists of once through non contact cooling water, low volume wastes, and chemical and non chemical metal cleaning wastes. Upon Commercial Operation of Unit 8, the discharge will only consist of once through non contact cooling water from Unit 7 and GT 1 and GT 2. For the purpose of Condition XVI, "Commercial Operation" means that Unit 8 achieves the following:~~

~~1. Successful completion of performance tests for electric power output and heat rate,~~

~~2. The Unit produces at least ninety five percent (95%) of the Guaranteed Net Power Output,~~

~~3. The Unit operates at no more than one hundred five percent (105%) of the Guaranteed Heat Rate,~~

~~4. The Unit meets all applicable air emission conditions contained in the Permits while firing the Guaranteed Fuel, and~~

~~5. The zero discharge wastewater treatment system is operating in a reliable manner.~~

The facility consists of four generating units: One steam electric generating unit (Unit 7), one combined cycle unit (Unit 8), and two gas/combustion turbine units (GT-1 and GT-2) used for peaking capacity. The maximum nameplate generating capacities for these units are 44 megawatts (MW), 250 MW, and 12.3 MW each, respectively. Units 8, GT-1, and GT-2 are fired by No. 2 fuel oil or natural gas. Unit 7 is fired by No. 6 fuel oil or natural gas. Unit 7

incorporates a once-through non-contact condenser cooling water (OTCW) system with intake water from the St. Marks River. Unit 8 operates as a zero discharge (ZD) system, except during ZD system maintenance downtime, when Unit 8 maintenance blowdown discharges into the Unit 7 OTCW discharge through an internal outfall. Unit 8 makeup water consists of reclaimed water from the City of St. Marks domestic wastewater treatment plant, industrial wastewater from the St. Marks Powder, Inc. facility, and surface water from the St. Marks River. Unit 7 OTCW discharges to the St. Marks River, a Class III fresh water.

B. Treatment:

~~Existing treatment includes lime treatment consisting of mixing, flocculation, and sedimentation of low volume wastewaters and metal cleaning wastewaters, air flotation and gravity separation for oily wastewaters, and pH adjustment for low volume wastewaters and metal cleaning wastewaters. Non-contact cooling waters require only dechlorination, if chlorination is practiced. Upon Commercial Operation of Unit 8, only non-contact cooling water from Unit 7 and GT-1 and GT-2 will be discharged; the existing treatment system will be abandoned.~~

Wastewater from the Purdom facility consists of OTCW from Unit 7, maintenance blowdown from Unit 8, and once-through, non-contact auxiliary equipment cooling water from Units GT-1 and GT-2. Maintenance blowdown consists of cooling tower blowdown (CTBD) from Unit 8 and low volume waste (LVW) from Units 7 and 8. LVW includes floor drains, boiler blowdown, demineralizer regeneration waste, laboratory wastes, and miscellaneous equipment washes. Unit 8 cooling tower water is treated by pH adjustment, mixing, sedimentation, and disinfection with sodium hypochlorite, and by the addition of sulfuric acid, scale inhibitor, corrosion inhibitor, and copper corrosion inhibitor. LVW is treated in an oil/water separator and then routed to the Unit 8 Cooling Tower for use as makeup water.

C. Effluent Disposal and Limitations:

1. Surface Water Discharge:

An existing 61.9 MGD maximum discharge of OTCW from Unit 7 to the discharge canal at outfall D-001 (formerly I-017) and thence to the St. Marks River (Class III Fresh waters) from Unit 7 through D-001 located approximately at latitude 30° 09' 00" N, longitude 84° 10' 00" W.

An existing 1.0 MGD maximum discharge of once-through auxiliary equipment cooling water (AECW) from Units GT-1 and GT-2 to the discharge canal at D-005 and thence to the St. Marks River (Class III Fresh waters) from combustion turbines GT-1 and GT-2 through D-005. The discharge is located approximately at latitude 30° 09' 72.1" N, longitude 84° 12' 00.4" W.

2. Internal Outfalls:

This permit authorizes discharge of maintenance blowdown via a new internal outfall I-002 from Unit 8 into a concrete structure in which it mixes with OTCW from Unit 7 before entering the discharge canal.

3. Stormwater Outfalls:

An existing stormwater discharge to the St. Marks River (Class III Fresh waters) through D-003 from the North diked petroleum storage area located approximately at latitude 30° 09' 76.0" N, longitude 84° 11' 91.4" W.

An existing stormwater discharge to the St. Marks River (Class III Fresh waters) through D-004 from the south diked petroleum storage area located approximately at latitude 30° 09' 66.7" N, longitude 84° 11' 94.4" W.

D. Effluent Limitations and Monitoring Requirements

1. Surface Water Discharge

During the period beginning on the issuance date and lasting through the expiration date of this permit, the licensee is authorized to discharge Once-through non-contact condenser cooling water from Unit 7 at Outfall D-001 (formerly I-017). Discharge will be limited and monitored as outlined in NPDES Permit FL 0025526, specifically I.A.1.-13.

2. Monitoring and Reporting

Sample collection, monitoring and reporting are outlined in NPDES Permit FL0025526, specifically I.E.1.-12. Unless specified otherwise in this permit, all reports and notifications required by this permit, including twenty-four hour notifications, shall be submitted to or reported to the Northwest District Office at the address specified below:

Northwest District Office
160 Government Center
Pensacola, FL 32501-5794

Phone Number - (850) 595-8300
FAX Number - (850) 595-8300 (All FAX copies shall be followed by original copies.)

~~**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in Parts I through V below.~~

~~**Part I. Effluent Limitations and Monitoring Requirements**~~

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~~A. Surface Water Discharges~~

~~1. During the period beginning on the effective date of this certification, and lasting until Unit 8 achieves Commercial Operation, the City of Tallahassee is authorized to discharge from outfall D001: once through cooling water and auxiliary equipment cooling water from Unit 5 to the St. Marks River.~~

~~a. Such discharges shall be limited and monitored as specified below:~~

~~Parameter~~	~~Discharge Limitations~~			~~Monitoring Requirements~~	
	~~Daily Avg.~~	~~Daily Max.~~	~~Instantaneous Max~~	~~Measurement Frequency~~	~~Sample Type~~
~~Flow, MGD~~	~~Report~~	~~Report~~	~~N/A~~	~~Daily~~	~~Hourly Log~~
~~Discharge Temperature, °F~~	~~90.0~~	~~95.0~~	~~N/A~~	~~Continuous [1]~~	~~Recorder~~
~~Total Residual Chlorine (TRC), mg/l~~	~~N/A~~	~~N/A~~	~~0.01~~	~~1/Discharge~~	~~Multiple Grabs [2]~~
~~Total Time of Chlorine Addition~~	~~N/A~~	~~120~~	~~N/A~~	~~Daily~~	~~Log~~

~~b. Limitations and monitoring requirements for TRC are not applicable for any period in which chlorine is not added to Unit 5.~~

~~c. Auxiliary equipment cooling water from Unit 5 may be discharged without limitations or monitoring requirement.~~

~~d. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: flow at the plant intake; temperature and TRC at the throat of the discharge structure from Unit 5; chlorine addition at the point of addition.~~

~~(1) Readings shall be taken 2 per each operating shift from continuous temperature recorders and averaged for daily average.~~

~~(2) Multiple grabs shall consist of grab samples collected at approximately the beginning of the period of TRC discharge and once per 15 minutes thereafter until the end of the period of TRC discharge.~~

~~2. During the period beginning on the effective date of this certification, and lasting until Unit 8 achieves Commercial Operation, the City of Tallahassee is authorized to discharge from outfall D002: once through cooling water and auxiliary equipment cooling water from Units 6 and 7, and cooling water from GT-1 and GT-2 to the St. Marks River.~~

a. Such discharges shall be limited and monitored as specified below:

Parameter	Discharge Limitations			Monitoring Requirements	
	Daily Avg.	Daily Max.	Instantaneous Max	Measurement Frequency	Sample Type
Flow, MGD	Report	Report	N/A	Daily	Hourly Log
Discharge Temperature, °F	90.0	95.0	N/A	Continuous [1]	Recorder
Total Residual Chlorine (TRC), mg/l	N/A	N/A	0.01	1/Discharge	Multiple Grabs [2]
Total Time of Chlorine Addition	N/A	120	N/A	Daily	Log

b. Limitations and monitoring requirements for TRC are not applicable for any period in which chlorine is not added to either Unit 6 or 7.

c. Auxiliary equipment cooling water from Units 6 and 7 may be discharged without limitations or monitoring requirements.

d. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: flow at the plant intake; temperature and TRC at the center of the discharge canal for Units 6 and 7, opposite the gas turbine intake structure; chlorine addition at the point of addition.

(1) Readings shall be taken 2 per each operating shift from continuous temperature recorders and averaged for daily average.

(2) Multiple grabs shall consist of grab samples collected at approximately the beginning of the period of TRC discharge and once per 15 minutes thereafter until the end of the period of TRC discharge.

3. During the period beginning on the effective date of this certification, and lasting until Unit 8 achieves Commercial Operation, the City of Tallahassee is authorized to discharge from outfall D005: chemical and non-chemical metal cleaning wastes to Pond No. 1 to the St. Marks River.

a. Such discharges shall be limited and monitored as specified below:

	Discharge Limitations	Monitoring Requirements

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Parameter	Daily Average	Daily Maximum	Measurement Frequency	Sample Type
Flow, MGD	Report	Report	Continuous [1]	Flow Indicator
Total Suspended Solids, mg/l	30.0	100.0	1/Discharge	Grab
Oil & Grease, mg/l	N/A	5.0	1/Discharge	Grab
Copper (Total), mg/l	N/A	0.03	1/Discharge	Grab
Iron (Total), mg/l	1.0	1.0	1/Discharge	Grab

b. The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 1/month by a grab sample.

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

d. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: in the discharge line from Ponds 1 and 2 prior to actual discharge to the receiving waters.

(1) Flow shall be measured continuously throughout the period of discharge.

4. During the period beginning on the effective date of this certification, and lasting until Unit 8 achieves Commercial Operation, the City of Tallahassee is authorized to discharge from outfall D006: low volume wastes including boiler blowdown, demineralizer regeneration wastewater, and laboratory sampling wastewater to Pond No. 2 to the St. Marks River.

a. Such discharges shall be limited and monitored as specified below:

Parameter	Discharge Limitations		Monitoring Requirements	
	Daily Average	Daily Maximum	Measurement Frequency	Sample Type

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~~Total Suspended Solids, mg/l~~	~~30.0~~	~~100.0~~	~~1/Discharge~~	~~Grab~~
[redacted]				

~~b. The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 1/month by a grab sample.~~

~~c. The City of Tallahassee is authorized to discharge DEP approved boiler chemicals in boiler blowdown, boiler lay up water or other similar "cold discharges" without limitation or monitoring requirements.~~

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

~~e. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: In the discharge line from ponds 1 and 2 prior to actual discharge to the receiving waters.~~

~~5. During the period beginning when Unit 8 achieves Commercial Operation, and continuing indefinitely thereafter, the City of Tallahassee is authorized to discharge from outfall D002: once through cooling water and auxiliary equipment cooling water from Unit 7, and cooling water from GT 1 and GT 2 to the St. Marks River.~~

~~a. Such discharges shall be limited and monitored as specified below:~~

~~Parameter~~	~~Discharge Limitations~~			~~Monitoring Requirements~~	
	~~Daily Avg.~~	~~Daily Max.~~	~~Instantaneous Max~~	~~Measurement Frequency~~	~~Sample Type~~
[redacted]					
~~Discharge Temperature, °F~~	~~90.0~~	~~95.0~~	~~N/A~~	~~Continuous [1]~~	~~Recorder~~
[redacted]					
~~Total Time of Chlorine~~	~~N/A~~	~~120~~	~~N/A~~	~~Daily~~	~~Log~~

Addition					

b. Limitations and monitoring requirements for TRC are not applicable for any period in which chlorine is not added to Unit 7.

c. Auxiliary equipment cooling water from Unit 7 may be discharged without limitations or monitoring requirements.

d. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Flow at the plant intake; temperature and TRC at the center of the discharge canal for Unit 7, opposite the gas turbine intake structure; chlorine addition at the point of addition.

(1) Readings shall be taken 2 per each operating shift from continuous temperature recorders and averaged for daily average.

(2) Multiple grabs shall consist of grab samples collected at approximately the beginning of the period of TRC discharge and once per 15 minutes thereafter until the end of the period of TRC discharge.

B. Other Limitations and Monitoring Requirements

1. The approved analytical methods and corresponding Department established MDL (method detection limits) and PQL (practical quantification limit) are listed for the following parameters:

Parameter	EPA Method	MDL (µg/l)	PDL (µg/l)
Total Suspended Solids	160.2	4000.0	4000.0
Oil & Grease	413.1	5000.0	5000.0
Total Recoverable Copper	220.2	1.0	5.0
Total Recoverable Iron	236.2/200.7/236.1	2.0/10.0/30.0	10.0/50.0/100.0
Temperature	170.1	0.10 C	0.10 C
Total Residual Chlorine	330.1	10.0	10.0
pH	150.1	0.01 s.u.	0.01 s.u.

The MDLs and PQLs listed above shall constitute the minimum reporting levels for the life of the certification. The Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those listed above. Unless otherwise specified, sample results shall be reported as follows:

a. Results greater than or equal to the PQL shall be reported as the measured quantity.

~~b. Results less than the PQL and greater than or equal to the MDL shall be reported as the PQL followed by the lab code "m", and shall be deemed equal to the MDL when necessary to calculate an average for that parameter.~~

~~c. Results less than the MDL shall be reported as the MDL followed by the lab code "u". A value of one half the MDL or half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limit or monitoring requirement. [62-4.246, 6-13-96]~~

~~2. Monitoring results obtained for each calendar month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR), Form 62-620.910(10), postmarked no later than the 28th day of the month following the completed calendar month. For example, data for January shall be submitted by February 28. Signed copies of the DMR shall be submitted to the address specified below:~~

~~Florida Department of Environmental Protection~~
~~Wastewater Facilities Regulation Section, Mail Station 3550~~
~~Twin Towers Office Building, 2600 Blair Stone Road~~
~~Tallahassee, Florida 32399-2400~~

~~If no discharge occurs during the reporting period, sampling requirements of this certification do not apply. The statement "No Discharge" shall be written on the DMR form. If, during the term period of this certification, the facility ceases to discharge, the Department shall be notified immediately upon cessation of discharge. Such notification shall be in writing. Additionally, the City of Tallahassee shall notify the Department within 30 days, in writing, of the permanent shutdown of Units 5 and 6, and of the commencement of Commercial Operation of Unit 8.~~

~~3. Unless specified otherwise in this certification, all other reports and notifications required by these Conditions, including twenty-four hour notifications, shall be submitted to or reported to, as appropriate, the Department's Northwest District Office at the address specified below:~~

~~Florida Department of Environmental Protection~~
~~Industrial Wastewater Section~~
~~160 Government Center~~
~~Suite 308~~
~~Pensacola, Florida 32501-5794~~
~~Phone Number (850) 444-8300~~

4. The City of Tallahassee shall report all visible discharges of floating materials, such as ash or an oil sheen, when submitting DMRs.

5. There shall be no discharge of polychlorinated biphenyl compounds (PCBs) such as those commonly used for transformer fluid.

6. The City of Tallahassee shall provide safe access points for obtaining representative samples which are required by this certification.

7. The City of Tallahassee shall ensure that all laboratory analytical data submitted to the Department is from a laboratory which has a currently valid and Department approved Comprehensive Quality Assurance Plan (CompQAP) [or a CompQAP pending approval] for all parameters being reported as required by 62-160, Florida Administrative Code.

8. Discharge of hydrazine in boiler blowdown is authorized without limitation or monitoring requirements.

9. The City of Tallahassee is authorized to use St. Marks River water for fire protection in case of emergency and to perform normal and reasonable testing of the fire protection system. The provisions of Part I, Section A.1 and A.2 of this condition of certification do not apply under these emergency or testing conditions.

C. Reopener Clause

1. This certification shall be modified to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(23)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standard or limitation so issued or approved:

a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;

b. Controls any pollutant not addressed in the certification. The certification, as modified under this paragraph shall contain any other requirements of the Act then applicable.

2. The certification may be reopened to adjust effluent limitations or monitoring requirements should future wasteload allocation determinations, water quality studies, DEP approved changes in water quality standards, or other information show a need for a different limitation or monitoring requirement.

D. Stormwater from Diked Petroleum Storage or Handling Area

~~The City of Tallahassee is authorized to discharge stormwater from diked petroleum storage or handling areas, provided the following conditions are met:~~

~~1. The facility shall have a valid SPCC Plan pursuant to 40 CFR 112.~~

~~2. In draining the diked area, a portable oil skimmer or similar device or absorbent material shall be used to remove oil and grease (as indicated by the presence of a sheen) immediately prior to draining.~~

~~3. Monitoring records shall be maintained in the form of a log and shall contain the following information, as a minimum:~~

~~a. Date and time of discharge,~~

~~b. Estimated volume of discharge,~~

~~c. Initials of person making visual inspection and authorizing discharge, and~~

~~d. Observed conditions of storm water discharged.~~

~~4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of a visible oil sheen at any time.~~

~~**Part II. Operation and Maintenance Requirements**~~

~~**A. Operation of Treatment and Disposal Facilities**~~

~~1. The City of Tallahassee shall ensure that the operation of this facility is as described in the application and supporting documents.~~

~~2. The operation of the pollution control facilities described in this certification shall be under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control appropriate for those facilities.~~

~~**B. Record-Keeping Requirements**~~

~~The City of Tallahassee shall maintain the following records on the site of the permitted facility and make them available for inspection:~~

~~1. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous~~

~~monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;~~

~~2. Copies of all reports, other than those required in item 1. above, required by the permit for at least three years from the date the report was prepared, unless otherwise specified by Department rule;~~

~~3. Records of all data, including reports and documents used to complete the application for this certification at least three years from the date the application was filed, unless otherwise specified by Department rule;~~

~~4. A Copy of the Site Certification;~~

~~5. A copy of any required record drawings;~~

~~6. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date on the logs or schedule.~~

~~**Part III. Compliance Schedule**~~

~~The City of Tallahassee shall achieve compliance on start of discharge.~~

~~**Part IV. Other Specific Conditions**~~

~~**A. Specific Conditions Applicable to All Permits**~~

~~1. Drawings, plans, documents or specifications submitted by the City of Tallahassee, not attached hereto, but retained on file with the Department, are made a part hereof.~~

~~2. If significant historical or archaeological artifacts are discovered at any time within the project site, the City of Tallahassee shall immediately notify the Department at the address shown in I.B.3., above, and the Bureau of Historic Preservation, Division of Historical Resources, R.A. Gray Building, 500 South Bronough, Tallahassee, Florida, 32399-0250.~~

~~3. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.) Florida Statutes, applicable portions of reports to be submitted under this certification shall be signed and sealed by the professional(s) who prepared them.~~

~~4. This certification satisfies industrial wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by federal agencies.~~

~~**B. Duty to Reapply**~~

~~This condition is not applicable under Site Certification.~~

~~**C. Specific Conditions Related to Best Management Practices**~~

~~The City of Tallahassee shall comply with the Best Management Practices portion of the Purdom Station Storm Water Pollution Prevention Plan (SWPPP).~~

~~**D. Specific Conditions Relating to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities**~~

~~1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe: [62-620.624(1)]~~

~~a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the certification, if that discharge will exceed the highest of the following levels:~~

~~(1) One hundred micrograms per liter~~

~~(2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter for antimony, or~~

~~(3) Five times the maximum concentration value reported for that pollutant in the permit application.~~

~~b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels:~~

~~(1) Five hundred micrograms per liter;~~

~~(2) One milligram per liter for antimony; or~~

~~(3) Ten times the maximum concentration value reported for that pollutant in the permit application.~~

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Any party to the this Order has a right to seek judicial review of it pursuant to Section 120.68, Florida Statutes by filing a Notice of Appeal, pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000, and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty days from the date this Order is filed with the Clerk of the Department of Environmental Protection.

Executed in Tallahassee, Florida.

Hamilton S. Oven, P.E.
Administrator, Siting Coordination Office

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk Date

DRAFT

CC by certified mail:

James Antista, Esquire
Fish and Wildlife Conservation Commission
6230 South Meridian Street
Tallahassee, FL 32399-1600

Mary Ann Helton, Esquire
Florida Public Service Commission
Gerald Gunter Building
2450 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Greg Smith
Northwest Water Mgmt. District
160 Governmental Center,
Suite 308
Pensacola, FL 32502

Parwez Alam
County Administrator
Leon County Courthouse
310 S. Monroe St.
Tallahassee, FL 32301

Parrish Barwick
Wakulla County Administrator
3093 Crawfordville Highway
Crawfordville FL 32327

Craig Varn, Esquire
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Gary Sams, Esq
Hopping, Green and Sams
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And by hand delivery to:

Scott A. Goorland, Esquire
Department of Environmental Protection
3900 Commonwealth Blvd.
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Tallahassee, FL 32399-3000