



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
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Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

PCS Sales (USA) Inc.
1101 Skokie Blvd
North Brook, IL 60062

Permit/Cert Number: 0230041-005-AC
Date of Issue: July 12, 2007
Expiration Date: December 12, 2007
County: Columbia
Latitude/Longitude: 30° 11 '42"N; 82°34'26"W
UTM: E-(17)348.5 N-3341.3
Project: Truck/Rail Transfer
Terminal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

PROJECT

Construction modification to increase the hours of operation of the (2) 20.9 MMBTU/hr Boilers to 8,760 hours per year each:

(2) 20.9 MMBTU/hr Boilers:

Steam used to heat the sulfur storage tank, launders, and sulfur pit will be produced from two natural gas/ No. 2 fuel oil fired boilers.

REGULATORY CLASSIFICATION

Emissions Unit 002 is subject to the requirement of 40 CFR 60, Subpart Dc, and Rule 62-296.406, F.A.C. – Fossil Fuel Steam Generators with Less than 250 Million Btu Per Hour Heat Input, New and Existing Emissions Units.

Emissions Unit

002

Description

(2) 20.9 MMBTU/hr Boilers

OPERATING LOCATION

Located Northwest of U.S. 90 and Still Road intersection, Lake City, Columbia County, Florida.

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For informational purposes only: For this project, the maximum net NOx emissions will increase by 12.9 TPY.

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Application For Air Permit -Non- Title V Source Form received April 11, 2007
New BACT Determination dated 06-21-07

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GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

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GENERAL CONDITIONS:

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (X) Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- (X) Compliance with New Source Performance Standards (NSPS)

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GENERAL CONDITIONS:

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation:** The hours of operation for **each boiler** are not restricted (8,760 hours per year).
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C. Air Construction Application received April 11, 2007]
2. **Relation to Other Permits:** The conditions of this permit will supplement and comply with conditions of all existing, valid, Department permits.
[Rules 62-4.210, 62-4.030, and 62-210.300(1)(b), F.A.C.]
3. **Permitted Capacity:** This permit does not change any emission standards or establish any new emissions standards for the boilers and shall comply with the requirements of all existing, valid Department permits.

MATERIAL	RATE	TO
Natural Gas or No. 2 fuel Oil NOTES (1)(2)	20.9 MMBTU/hr	Boiler No. 1 (Emissions Unit 002)
Natural Gas or No. 2 fuel Oil NOTES (1)(2)	20.9 MMBTU/hr	Boiler No. 2 (Emissions Unit 002)

NOTE (1) Boiler Nos. 1 and No. 2 hours shall be recorded.

NOTE (2) Sulfur content of No. 2 fuel oil shall not exceed 0.05 weight percent.

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

4. **Emission Limits:** The permitted maximum allowable emission rate for each pollutant is as follows:

POLLUTANT	LOCATION I.D.	EMISSION RATE		FAC RULE
		LBS/HR	TPY	
Particulate Matter	Boiler No. 1 Boiler No. 2	0.3 NOTE (1)	1.3 NOTE (1)	62-296.406(2)
Sulfur Dioxide	Boiler No. 1 Boiler No. 2	1.05 NOTE (2)(3)	4.6 NOTE (2)(3)	62-296.406(3) 40 CFR 60.42c(d)
Visible Emissions	Boiler No. 1 Boiler No. 2 NOTE (1)	< 20% Opacity except for one two-minute period per hour during which opacity shall not exceed 40 percent.		62-296.406(1)

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SPECIFIC CONDITIONS:

Specific Condition No. 4 continued:

- NOTE (1)** Basis: 150 gallons burned /hr No. 2 fuel oil; 0.002 lb PM/gallon (AP-42 Factor).
NOTE (2) BACT Determination is dated 05-06-98 and revised on 06/21/07, limits the No. 2 Fuel Oil sulfur content to 0.05%, by weight.
NOTE (3) Basis: 0.05 wt% sulfur (S) in F.O.; $0.142 \times S$ lb SO₂ / gallon (AP-42 Factor); 150 gallons burned/hr No. 2 fuel oil.

5. **General Visible Emissions Standard (Facility Wide):** Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions elsewhere in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). If a special compliance test is required, the test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rule 62-296.320(4)(b)1., F.A.C.]

6. **Unconfined Particulate Matter:** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any emissions unit whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emissions.

Reasonable precautions may include, but are not limited to the following:

- a. Paving and maintenance of roads, parking areas and yards.
- b. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- c. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- d. Landscaping or planting of vegetation.
- e. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- f. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c)3, F.A.C.]

7. **Objectionable Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rules 62-296.320(2), and 62-210.200(200), F.A.C.]

8. **Circumvention of Control Devices:** The permittee shall not allow any person to circumvent any pollution control device nor allow the emissions of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

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9. **Excess Emissions:** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
10. **Excess Emissions:** 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. [Rule 62-210.700(4), F.A.C.]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

11. **Compliance Test Procedures:** Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
12. **Compliance Testing:** Test the emissions for the following pollutant(s) within the timeframes specified by the condition.

Pollutant	Location	Test Interval	Test Method	Applicable Rule
VE	EU 002	Annually Note (1)(2)	EPA Method 9	62-210.300(3)(c)1.i.
SO ₂	EU 002	Annually Note (1)(2)	Note (3)	62-210.300(3)(c)1.i.

Note (1) Pursuant to Rule 62-297.310(7)(a) 4., F.A.C. a formal compliance test shall be conducted during each federal fiscal year (October 1 - September 30).

Note (2) Test required for each boiler (No. 1 and No. 2) while firing fuel oil.

Note (3) In lieu of a sulfur dioxide test, a certified ASTM fuel oil analysis shall be conducted to determine the weight percent of sulfur and the fuel oil heat content. The report shall include the certified ASTM analysis and the sulfur dioxide emission calculations (A copy of a certified ASTM fuel oil analysis of the oil delivered is acceptable).

13. **Compliance Test Notification:** At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the Air Compliance Section of this Office. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company and telephone number of the person conducting the test. [Rule 62-297.310(7)(a)9., F.A.C.]

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- 14. Operation During Compliance Test:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined in Specific Condition 2. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load 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 purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.

[Rule 62-297.310(2), F.A.C.]

- 15. Special Compliance Test:** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7)(b), F.A.C.]

16. Determination of Process Variables:

- (a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determining process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
- (b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight 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.]

REPORTING AND RECORDKEEPING REQUIREMENTS

- 17. Compliance Test Reports:** Reports of the required compliance tests shall be submitted as soon as practical but no later than 45 days after the last test is completed. Each test report shall include the maximum input / production rate at which this source was operated since the most recent test.
- 18. Excess Emissions - Malfunction:** In case of excess emissions resulting from malfunction, the permittee shall notify this office in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunction shall be submitted in a quarterly report, if requested by the Department.

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ADMINISTRATIVE

19. The I.D. No. and Project name for this source shall be used on all correspondence.
20. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
21. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection
Northeast District – Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256
Telephone: 904/807-3300
Fax: 904/448-4366

22. **Applicable Regulations:** The facility is subject to the following regulations: Florida Administrative Code Chapters 62-4; 62-103; 62-204; 62-210; 62-212, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations.
[Rule 62-210.300, F.A.C.]
24. **General Conditions:** The owner and operator is subject to and shall operate under the General **Permit Conditions 1 through 15** of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.
[Rule 62-4.160, F.A.C.]
25. Issuance of a permit does not relieve the owner or operator of an emissions unit from complying with any applicable requirement, any emission limiting standards or other requirements of the air pollution rules of the Department or any other such requirements under federal, state or local law.
[Rule 62-210.300, F.A.C.]

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26. A completed **Application for Air Permit – Non-Title V Source** [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit. [Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P.E.
District Air Program Administrator