



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Tropicana Products, Inc.
P. O. Box 338
Bradenton, FL 33506

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91
County: Manatee
Latitude/Longitude: 27°31'05"N
82°32'47"W
Project: Auxiliary Boiler

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. 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:

For the construction of a Babcock & Wilcox auxiliary boiler capable of firing both natural gas and distillate oil, with a maximum heat input capacity of 157.4 MMBtu/hr. This boiler will normally be operated to supply steam only when the Gas Turbine/Heat Recovery Steam Generator unit is not operating, or at times when it is being started up or shut down. The auxiliary boiler will be located at Tropicana's facility in Bradenton, Manatee County, Florida.

The UTM coordinates of this facility are Zone 17, 346.8 km East, and 3040.9 km North.

The source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Tropicana's application package received on November 30, 1988.
2. DER's letter dated December 28, 1988.
3. EPA's letter received December 30, 1988.
4. Tropicana's response received January 13, 1989.
5. DER's Preliminary Determination dated March 21, 1989.

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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 acknowledgement 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, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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.

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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact 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.

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

GENERAL CONDITIONS:

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. The B & W auxiliary boiler may operate continuously i.e., 8760 hours/year.

2. The auxiliary boiler may fire only natural gas or distillate oil. The fuel oil shall not be fired for more than 1440 hours annually (60 days).

3. The maximum heat input to the auxiliary boiler shall not exceed 157.4 MMBtu/hr (149.9 MMCF/hr natural gas, or 1124.5 gals/hr or 8096.5 lbs/hr fuel oil).

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

SPECIFIC CONDITIONS:

4. The maximum allowable auxiliary boiler emissions shall not exceed:

	Gas (8760 hrs/yr)		Oil (1440 hrs/yr)		Maximum Emissions (1440 oil + 7320 gas)
	lbs/hr	TPY	lbs/hr	TPY	TPY
NO _x	15.7	68.9	31.4	22.6	80.2
CO	19.75	86.5	20.28	14.6	86.9
PM	0.38	1.66	7.87	5.66	7.03
PM ₁₀	0.23	1.0	4.7	3.4	4.2
SO ₂	0.09	0.39	47.2	34.0	34.33
VOC	1.88	8.2	1.93	1.39	8.27

5. Visible Emissions (VE) shall not exceed 10% opacity while firing natural gas, and 20% opacity while firing distillate oil.

6. Initial (I) and annual (A) compliance tests shall be conducted in accordance with the 1988 version of 40 CFR 60, Appendix A using the following test methods:

- EPA Method 5 for PM (I); (A) only for oil
- EPA Method 6 or fuel analysis (ASTM) for SO₂ (I,A)
- EPA Method 7 for NO_x (I,A)
- EPA Method 9 for VE (I,A)
- EPA Method 10 for CO (I)
- EPA Method 25 for VOC (I)

Other DER approved compliance test methods may be used only after prior Departmental approval.

7. The permittee shall install, calibrate, maintain and operate a continuous emission monitoring system for:

- SO₂ and O₂ / CO₂, or determine the average sulfur dioxide emissions using either EPA Method 6B or 19
- Opacity
- NO_x, or monitor steam generating unit operating conditions and predict NO_x emission rates as specified in a plan submitted pursuant to 40 CFR 60.49b(c)

8. The permittee shall submit reports in accordance with 40 CFR 60.49b.

9. A minimum of 15 days prior notification of the compliance tests shall be given to DER's Southwest District office. Compliance test results shall be submitted to the district office within 30 days of test completion.

PERMITTEE:
Tropicana Products, Inc.

Permit Number: AC 41-150485
PSD-FL-136
Expiration Date: 12/1/91

SPECIFIC CONDITIONS:

10. The permittee shall comply with all the applicable requirements of F.A.C. Rules 17-2 and 17-4, and 40 CFR 60 Subpart Db.

11. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to 60 days before the expiration of the permit (F.A.C. 17-4.090).

12. An application for an operation permit must be submitted to the Southwest District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

13. Any change in the method of operation, fuels, equipment or operating hours shall be submitted to DER's Southwest District office for approval.

14. The auxiliary boiler shall not be operated other than for service or maintenance while the gas turbine is operating normally.

15. Boiler Nos. 2,3,4,5,9, and 10 shall be shut down and dismantled. The boilers will not be allowed to operate beyond the date on which operation permits are issued to the GT/HRSG and the auxiliary boiler.

Issued this _____ day
of _____, 1989

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Dale Twachtmann, Secretary