

ENVIRONMENTAL AND COMPLIANCE DEPARTMENT



Permittee:

Chevron Products Company
3117 Talleyrand Avenue
Jacksonville, FL 32206

Final Permit No.: 0310187-007-AC

Facility ID No.: 0310187

SIC No(s).: 51

Project: Synthetic Non-Title V Permit
Jacksonville Terminal

This permit is for the construction of blending equipment and related piping equipment for ethanol blending with gasoline, the addition of ethanol as an allowable product in existing floating roof tank no. 59, the addition of ethanol and ethanol products at the loading rack, and the addition of a lane to offload ethanol tank trucks at the tank truck loading bay. This facility is located at 3117 Talleyrand Avenue, Jacksonville, Duval County, FL 32206; UTM Coordinates: Zone 17, 439.75 km East and 3358.54 km North; Latitude: 30° 21' 32" North and Longitude: 81° 37' 37" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, Florida Administrative Code, (FAC). 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 Environmental and Compliance Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

Operation Permit Application Due Date: October 31, 2008

Expiration Date: January 31, 2009

Environmental and Compliance Department
Environmental Quality Division

Robert Steven Pace, P.E., Manager
Air Quality Branch

RSP/RLR/jw

Section I. Facility Information

Subsection A. Facility/Project Description

This permit is for the construction of blending equipment and related piping equipment for ethanol blending with gasoline, the addition of ethanol as an allowable product in existing floating roof tank no. 59, the addition of ethanol and ethanol products at the loading rack, and the addition of a lane to offload ethanol tank trucks at the tank truck loading bay.

This facility is a fuel terminal. Gasoline, other petroleum products and non-petroleum products are received from sea going vessels, trucks, railcars, or pipelines, stored in fixed and floating roof storage tanks and dispensed through a six bay tank truck loading rack system.

The facility is a bulk petroleum terminal and is classified as a synthetic Non-Title V source of volatile organic compounds (VOC) because the potential emissions of VOC are restricted to less than 100 tons per year in accordance with Rule 62-210.200, FAC, and Rule 2.301, Jacksonville Environmental Protection Board (JEPB).

The facility is a synthetic minor source of Hazardous Air Pollutants (HAP) because the potential emissions are restricted to less than 10 tons per year for a single HAP and less than 25 tons per year for total HAPs pursuant to Rule 62-210.200, FAC, and Rule 2.301, JEPB.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

<u>EU No.</u>	<u>EU Description</u>	<u>Control Device</u>
020	Tank Truck Loading Rack	John Zink Carbon Bed Adsorption /Absorption Vapor Recovery Unit
022	(Tank Nos. 57, 58, 59, 60, 66, 67, 71, 72, 73 and 82 storing gasoline or aviation gasoline, Tank No. 59 may also store ethanol, Tank No. 83 storing diesel fuel)	Internal Floating Roofs

Subsection C. Relevant documents

Air construction permit application received November 19, 2007 and additional information submitted by the applicant revising the application received November 27, 2007

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, FS. 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 process 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), FS, 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 this 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, 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 reasonable times, 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 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.

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 noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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 involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, FS. 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 Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance 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:
 - ☐ Determination of Best Available Control Technology (BACT)
 - ☐ Determination of Prevention of Significant Deterioration (PSD)
 - ☐ Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - ☒ Compliance with New Source Performance Standards
 - ☐ Compliance with National Emissions Standards for Hazardous Air Pollutants
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 this 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:
 1. The date, exact place, and time of sampling or measurements;
 2. The person responsible for performing the sampling or measurements;
 3. The date(s) analyses were performed;
 4. The person responsible for performing the analyses;
 5. The analytical techniques or methods used;
 6. 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.
[Rule 62-4.160, FAC, and Rule 2.1301, JEPB]

Subsection B. Specific Conditions

1. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB.]
2. Permittee shall submit an annual operation report to the Department for this (these) emission unit(s) on the form(s) supplied for each calendar year on or before March 1.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB.]
3. The construction/modification shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing sixty (60) days prior to the expiration of the construction permit. A new schedule and request for an extension of the construction permit must be submitted.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]
4. To obtain a permit to operate, the permittee must submit a complete application for an Air Operating Permit to the Department, at least ninety (90) days prior to the expiration date of the construction permit but no later than 120 days after completion of construction, whichever occurs first. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid operating permit to operate.
[Rule 62-210.300(2), FAC, Rule 62-213.420(1)(a)2., FAC, Rule 2.301, JEPB, and Rule 2.501, JEPB]
5. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]
6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emission or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload, or use in any installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
[Rule 62-296.320(1)(a), FAC, and Rule 2.1001, JEPB]
7. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1, [Final Rules with Respect to Organization, Procedure, and Practice].
8. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.
9. Excess emissions resulting from startup, shutdown, or malfunction of any emission 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. 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. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700, FAC, and Rule 2.201, JEPB]
10. The permittee shall submit all compliance related notifications and reports required of this permit to:

Environmental and Compliance Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202
Telephone: (904) 630-4900
Fax: (904) 630-3638

11. Any reports, data, notification, certifications, and requests required to be sent to the United States Environmental Protection Agency, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
61 Forsyth Street
Atlanta, GA 30303
Telephone: 404/562-9155
Fax: 404/562-9163

Section III. Emission Units and Conditions

Emission Unit No. 020 - Tank Truck Loading Rack

Emission Unit Description – Tank Truck Loading Rack including Ethanol tank truck offloading lane

Control Device – John Zink Carbon Bed Adsorption /Absorption Vapor Recovery Unit

Essential Potential to Emit (PTE) Parameters

1. This emission unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(203), FAC, and Rule 2.301, JEPB]
2. The maximum throughput rate shall be limited to 528,000 gallons per hour and 422,516,729 gallons per year (12 month rolling total) of gasoline, aviation gasoline, and ethanol combined.
[Rule 62-210(203), FAC, Rule 2.301, JEPB]

Emission Limitations and Standards

3. Total organic compounds (TOC) shall be limited to 35 milligrams per liter of gasoline, aviation gasoline, and ethanol loaded and to 61.69 tons per year.
[Rule 40 CFR 60.502(b), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB, and Applicant's request]
4. 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals, and 40 CFR 60, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein.

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 2A, and 25A/25B (as described in 40 CFR 60, Appendix A) for TOC emissions. Compliance testing of the vapor recovery unit (VRU) shall be performed annually from the date of August 1, 2003. Testing may be performed up to 60 (sixty) days prior to the testing due date.
[40 CFR 60.503, Rule 62-204.800, FAC, and Rule 2.201, JEPB]
6. Specific testing requirements for vapor collection systems and tank trucks shall be as follows:

<u>Specific Testing Required</u>	<u>Applicable Rule</u>	<u>Test Method</u>
A. Vapor collection and liquid equipment gauge pressure during product loading	40 CFR 60.502(h)	40 CFR 60.503(d)
B. Potential sources of vapor leakage in vapor collection system	40 CFR 60.503(b)	EPA RM 21
C. Gasoline tank truck tightness*	40 CFR 60 502(e) and 40 CFR 60.505	EPA RM 27
*To be performed by tank truck owner/operator		
D. Vapor collection system, vapor processing system, and loading rack(s) shall be inspected for TOC liquid or vapor leaks	40 CFR 60.502(j)	Sight, sound, or smell detection method

Note: Item A and B above shall be performed during the compliance testing required in Specific Condition No. 5., item D shall be performed monthly.

Monitoring of Operations

7. The terminal owner/operator must ensure that each gasoline tank truck's vapor collection system is connected to the terminal vapor collection system during loading of gasoline tank trucks. Gasoline, aviation gasoline, and ethanol shall not be loaded into tank trucks unless the vapors are vented to the VRU. Distillate products may be loaded into tank trucks, which did not on the previous load carry gasoline, aviation gasoline, and/or ethanol, without being vented to the VRU.
[40 CFR 60.502(g), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Record-keeping and Reporting Requirements

8. The owner/operator shall ensure that loading of liquid products into gasoline tank trucks is limited to vapor tight gasoline tank trucks using the procedures found in 40 CFR 60.502(e). All records, cross-checks, and notifications shall be conducted in accordance with the procedures outlined in 40 CFR 60.502(e).
9. Records of control device operation including but not limited to replacements and additions of components shall be maintained for a minimum of five (5) years and made available to the Department upon request.
[40 CFR 60.505(f), Rule 62-204.800, FAC, and FAC, Rule 2.201, JEPB]
10. Reporting and record-keeping shall be as follows:

Record

Applicable Rule

- | | |
|---|------------------|
| A. Tank truck vapor tightness tests shall be kept on file at the terminal in permanent form | 40 CFR 60.505(a) |
| B. Each tank truck file shall be updated annually | 40 CFR 60.505(b) |
| C. Monthly leak checks shall be kept on file at the terminal | 40 CFR 60.505(c) |
| D. Notifications to owner/ operator of each non-vapor tight truck shall be kept on file at the terminal | 40 CFR 60.505(d) |

Emission Unit No. 022 – Internal Floating Roof Tanks

Emission Unit Description - Tank Nos. 57, 58, 59, 60, 66, 67, 71, 72, 73 and 82 storing gasoline or aviation gasoline, Tank No. 59 may also store ethanol, Tank No. 83 storing diesel fuel

Control Device(s) - Internal Floating Roofs

Essential Potential to Emit (PTE) Parameters

1. This emission unit (each tank) is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(203), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The gasoline, gasoline products, ethanol, other lower vapor pressure petroleum products, and other lower vapor pressure fuel products stored in these tanks shall be subject to control technologies, operation requirements and test methods required by Reasonably Available Control Technology rules. During periods that a tank or tanks store petroleum products or other fuel products with a vapor pressure less than or equal to 1.50 psia the applicable rule requirement shall be Rule 62-296.320(1)(a), FAC, and Rule 2.1001, JEPB.
[Rule 62-296.508, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

3. Compliance with the standards in Rule 62-296.508, FAC and Rule 2.1001, JEPB shall be demonstrated in accordance with the procedures described on Page 6-2 of EPA document 450/2-77-036. Compliance demonstration testing shall be performed annually. Internal Floating Roof and Roof Seals compliance demonstration testing shall be conducted by visual inspection of the floating cover through the roof hatches. The cover should be uniformly floating on or above the liquid, there should be no visible defects in the surface of the cover or liquid accumulated on the cover. The seal must be intact and uniformly in place around the circumference of the cover between the cover and the tank wall. Testing requirements do not apply to this storage tank when distillate or other lower vapor pressure petroleum products are stored.
[Rule 62-296.508(3)(a), FAC, Chapter 62-297, FAC; Rule 2.1001, JEPB, and Rule 2.1101, JEPB]
4. Compliance testing shall be performed annually. Test results shall be maintained for a minimum period of five (5) years and shall be made available to the Department upon request.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

**Permittee: Chevron Products Company
Jacksonville Terminal**

Final Permit Number: 0310187-007-AC

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to S.120.52(7), FS, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

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