Florida Department of Environmental Protection

Northeast District
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Jacksonville, Florida 32256

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Governor

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Jonathan P. Steverson
Secretary

PERMITTEE

Blanchard Terminal Company, LLC
2101 Zoo Parkway
Jacksonville, Florida 32226-2709

Authorized Representative:

Timothy J. Aydt, President

Air Permit No. 0310179-031-AC
Expiration Date: November 3, 2017

Jacksonville Terminal
Minor Air Construction Permit Terminal and Marine Dock Piping Replacement and New Connection Installation Project

PROJECT

This is the final air construction permit which authorizes the addition of new equipment connections (i.e., valves, and flanges) and the replacement of the piping that conveys various petroleum products (gasoline, ethanol, diesel, blend grades) between the terminal and the marine dock. The proposed work will be conducted at the Jacksonville Terminal, which is categorized under Standard Industrial Classification No. 5171 – Petroleum Bulk Stations and Terminals. The existing facility is located in Duval County at 2101 Zoo Parkway, in Jacksonville, Florida 32226; UTM Coordinates: Zone 17, 441.800 km East and 3364.630 km North; Latitude: 30° 24' 50" North and Longitude: 81° 36' 21" West.

This final permit is organized by the following sections: (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, 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 must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Jacksonville, Florida

Richard S. Rachal III, P.G.
Program Administrator
Permitting Program

FILING AND ACKNOWLEDGEMENT & CERTIFICATE OF SERVICE

Filed on this date pursuant to § 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged. The undersigned hereby certifies that the Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on November 3, 2016, to the listed persons.

Timothy J. Aydt, President, Blanchard Terminal Company, LLC (tjaydt@marathonpetroleum.com)
Robert Jarabeck, Marathon Petroleum Company, LP (rjjarabeck@marathonpetroleum.com)
William F. Karl, P.E., Senior Engineer, Environmental Consulting & Technology, Inc. (bkarl@ectinc.com)

Clerk — Date: November 3, 2016

FACILITY DESCRIPTION

The Blanchard Terminal Company, LLC (Blanchard), Jacksonville Terminal is located at 2101 Zoo Parkway in Jacksonville, Duval County, Florida. Blanchard is a subsidiary of Marathon Petroleum Company, LP. The Jacksonville Terminal is a bulk petroleum products storage and distribution terminal that receives light petroleum products (i.e., gasoline, diesel fuel, kerosene, and jet fuel) and denatured ethanol from marine vessels, railcar tankers, and tanker trucks. The petroleum products are stored in fixed and floating-roof storage tanks at the terminal for subsequent transfer to tank trucks through two tank truck loading racks. Gasoline, aviation gasoline, gasoline/denatured ethanol/butane blends, and/or gasoline/denatured ethanol blends or lower vapor pressure VOL products are then loaded into tanker trucks at one of the two tank truck loading rack systems. Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP) emissions displaced during tank truck loading operations are controlled by use of either a carbon adsorption/absorption vapor recovery unit (VRU) or a vapor combustion unit (VCU). Distillates, denatured ethanol, and/or lower vapor pressure petroleum products can be loaded into marine vessels and railcar tankers. Petroleum contact water (PCW) from storm water and spills at the truck loading rack and from water draws from the gasoline and distillate storage tanks is stored in PCW tanks until shipped offsite for disposal. Other sources of VOC emissions include working and breathing losses from storage tanks; fugitive emissions from pumps, valves, flanges, and railcar tanker and marine vessel loading; and four emergency diesel engines.

The existing facility consists of the following emissions units.

Facility ID No. 0310179

ID No.	Emission Unit Description
	Emission Unit Description Terminal A
011	Petroleum Storage Tank Nos. 108, 112, 113 and 116 Internal Floating Roof with primary mechanical shoe seal and secondary seal
016	Terminal A Tank Truck Loading System and Denatured Ethanol Loading System. Jordan Model JT-9078-85340-700 Carbon Adsorption/Absorption Vapor Recovery Unit or Callidus, Inc. Vapor Combustion Unit (Backup)
019	Petroleum/Denatured Ethanol Storage Tank Nos. 102 through 105, and 109 through 111, Internal Floating Roofs
020	Fixed Roof Petroleum Storage Tank Nos. 114, 115, and 117
022	Marine Petroleum Loading System
023	Railcar Tanker Loading System
	Emission Unit Description Terminal B
024	Terminal B Tank Truck Loading Rack. Jordan Model JT-9078-85340-700 Carbon Adsorption/Absorption Vapor Recovery Unit or Callidus, Inc. Vapor Combustion Unit (Backup)
026	Petroleum Storage Tank No. 1
027	Petroleum/Denatured Ethanol Storage Tank No. 2 – 1,276,800 gallons Internal Floating Roof with mechanical shoe seal for the storage of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend, or lower vapor pressure VOL products.
028	Petroleum/Denatured Ethanol Storage Tank No. 5 Internal Floating Roof with mechanical shoe seal
030	Fugitive VOC and Fugitive HAP Emissions
032	Emergency Diesel Engines
033	Tank No. 3 (2,492,238 gallons) and Tank No. 4 (2,490,600 gallons) for the storage of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend, or lower vapor pressure VOL products
Unregulated Emissions Units and Activities (As stated in the current Title V Operation Permit)	
031	Petroleum Contact Water (PCW) Tanks (Terminal A &B)

PROPOSED PROJECT

This project allows the addition of new equipment connections (i.e., valves, and flanges) and the replacement of the piping that conveys various petroleum products (gasoline, ethanol, diesel, blend grades) between the terminal and the marine dock.

This project will revise the following emissions units.

Facility ID No. 0310179	
ID No.	**Emission Unit Description**
030	Fugitive VOC and Fugitive HAP Emissions

FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **does not** operate units subject to the acid rain provisions of the Clean Air Act.
- The facility **is** a Title V major source of air pollution in accordance with Chapter 213, F.A.C. and Rule 2.501, JEPB.
- The facility **is not** a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality and Rule 2.401, JEPB.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Permitting Program, of the Florida Department of Environmental Protection (Department). The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office, Permitting Program. The Permitting Authority's telephone number is (904) 256-1700.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance at: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is (904) 256-1700.

3. Appendices: The following Appendices are attached as part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix E (40 CFR 63, Subpart BBBBBB), Appendix F (40 CFR 63 Subpart A General Provisions), and Appendix G (LR-1).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units 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 Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

   [Rule 62-210.300, F.A.C., and Rule 2.301, JEPB]

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.

   [Rule 62-4.080, F.A.C., and Rule 2.1401, JEPB]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

   [Rules 62-210.300(1) and 62-212.300(1) (a), F.A.C., Rule 2.301, JEPB, and Rule 2.401, JEPB]

7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires.

   [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C., Rule 2.1401, JEPB, Rule 2.301, JEPB]

8. Source Obligation:

   a. Authorization to construct shall expire if construction is not commenced within 18 months after receipt of the permit, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. This provision does not apply to the time period between construction of the approved phases of a phased construction project except that each phase must commence construction within 18 months of the commencement date established by the Department in the permit.

   b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   c. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C. and Rule 2.401, JEPB]

9. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority.

   [Rules 62-4.030, 62-4.050 and Chapter 62-213, F.A.C., Rule 2.1401, JEPB, and Rule 2.501, JEPB]

A. Piping Replacement and New Connection Installation Project

This section of the permit addresses the following emissions activity.

ID No.	Emission Unit Description
---	Replacement of the piping that conveys various petroleum products (gasoline, ethanol, diesel, blend grades) between the terminal and the marine dock. In replacing dock piping, there will be an overall increase in the number of connections (i.e., valves and flanges). Therefore, there will be a minor increase in potential emissions from equipment leaks.

EQUIPMENT

1. The permittee is authorized to replace the piping including the installation of new equipment connections (valves and flanges) that conveys various petroleum products (gasoline, ethanol, diesel, blend grades) between the terminal and the marine dock. The permittee is authorized to install an additional 24 flanges and 157 valves such that there will be a total of 131 flanges and 272 valves after the completion of the project.

   [Application No. 031079-031-AC]

RECORDKEEPING AND REPORTING AND NOTIFICATION REQUIREMENTS

2. Commencement of Construction and Operation. The permittee shall submit to the Air Compliance Authority of this Office written notification of the date of commencement of construction of the replacement piping and installation of new equipment connections. This notification shall be submitted to Christopher Kirts at Christopher.Kirts@dep.state.fl.us no later than thirty (30) business day following commencement of construction.

   [Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

B. Emissions Unit 030 – Fugitive VOC and Fugitive HAP Emissions

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
030	Facility wide miscellaneous fugitive emissions from the pumps, valves & fittings, flanges, and other equipment in gasoline service, truck loading racks, roof landings, butane blending, and unloading butane into the pressurized butane storage vessel Note: The roof landings emissions are reported in the Annual Operating Report under the appropriate emission unit for any gasoline tank which was landed during the reporting year.

{This emissions unit is subject to 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions.}

EXISTING PERMIT CONDITIONS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations.

   [Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]

EMISSIONS STANDARDS

{Permitting Note: Unless otherwise specified, the averaging times for these conditions are based on the specified averaging time of the applicable test method.}

2. NESHAP, 40 CFR 63, Subpart BBBBBB Applicability: This emissions unit is subject to the applicable requirements of 40 CFR 60, Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities (refer to Appendix E).

   [40 CFR 63.11081(a), Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

3. NESHAP, 40 CFR 63, Subpart A-General Provisions: Table 3 to 40 CFR 63 Subpart BBBBBB shows which parts of the General Provisions that are applicable (refer to Appendix F).

   [40 CFR 63.11098, Rule 62-204.800(11), F.A.C. and Rule 2.201, JEPB]

4. Equipment Leak Inspections: The owner or operator shall continue to perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in 40 CFR 63.11089(a) through (d).

   [40 CFR 63.11089(a), (b), (c), (d), and (e), Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]

RECORDKEEPING AND REPORTING AND NOTIFICATION REQUIREMENTS

5. Equipment leak inspections-Records: The owner or operator shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program.

   [40 CFR 63.11094(d), Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]

6. Equipment leak Inspections-Log Book: The owner or operator shall record in the log book for each leak that is detected the information specified in paragraphs (1) through (7) of this condition.

   (1) The equipment type and identification number.

   (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).

   (3) The date the leak was detected and the date of each attempt to repair the leak.

   (4) Repair methods applied in each attempt to repair the leak.

   (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.

   (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.

   (7) The date of successful repair of the leak.

   [40 CFR 63.11094(e), Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]

7. Equipment leak Inspections – Reporting: The owner or operator shall include in the semiannual compliance report required by 40 CFR 63.11095(a) the number of equipment leaks not repaired within 15 days after detection.

   [40 CFR 63.11095(a)(3), Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]

8. Equipment leak Inspections – Reporting: The owner or operator shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. The information to be included in the excess emissions report for equipment leak inspections are specified as follows:

   - For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:

     (i) The date on which the leak was detected;

     (ii) The date of each attempt to repair the leak;

     (iii) The reasons for the delay of repair; and

     (iv) The date of successful repair.

   [40 CFR 63.11095(b)(5), Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB]