



DEPARTMENT ORDER

**Buckeye Terminals, LLC
Penobscot County
Bangor, Maine
A-202-71-K-A (SM)**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #1**

FINDINGS OF FACT

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

Buckeye Terminals, LLC (Buckeye) was issued Air Emission License A-202-71-J-R on 12/03/2014, for the operation of emission sources associated with their petroleum storage and distribution facility. Buckeye has requested an amendment to their license for the inclusion of two newly acquired, existing aboveground distillate fuel storage tanks located immediately adjacent to their facility. Buckeye has also requested that the language in Specific Condition (25) from Air Emission License A-202-71-J-R be reworded to provide clarification.

The equipment addressed in this license amendment is located at 730 Main Street, Bangor, Maine.

B. Emission Equipment

The following equipment is addressed in this air emission license amendment:

Petroleum Storage

Equipment	Capacity (gallons)	Product Stored	Roof Type	Control Device	Date Installed
Tank #1	424,454	Distillate fuel	Fixed	NA	1957
Tank #2	635,418	Distillate fuel	Fixed	NA	1957

C. Definitions

Distillate Fuel. For the purposes of this license, *distillate fuel* means the following:

1. Fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials (ASTM) in ASTM D396;
2. Diesel fuel oil numbers 1 or 2, as defined in ASTM D975;
3. Kerosene, as defined in ASTM D3699;
4. Biodiesel, as defined in ASTM D6751; or
5. Biodiesel blends, as defined in ASTM D7467.

D. Application Classification

The modification of a minor source is considered a major or minor modification based on whether or not expected emission increases exceed the “Significant Emission” levels as defined in the Department’s *Definitions Regulation*, 06-096 Code of Maine Rules (CMR) 100 (as amended).

The addition of the two tanks may result in a small increase in actual emissions from the facility; however, because reported emissions from the facility are consistently significantly lower than licensed limits, there will be no change to the limits in this license. This amendment is therefore determined to be a minor modification and has been processed as such.

II. **BEST PRACTICAL TREATMENT (BPT)**

A. Introduction

In order to receive a license, the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment.

B. Distillate Fuel Storage Tanks

Buckeye has purchased two existing aboveground storage tanks that will be used for distillate fuel storage. Tank #1 has a storage capacity of 424,454 gallons and was constructed in 1957. Tank #2 has a storage capacity of 635,418 gallons and was also constructed in 1957. Both tanks are located directly adjacent to the Buckeye facility and will be utilized immediately. The tanks are steel, built to the API 650 standard, with fixed roofs. Buckeye has requested no change in their annual distillate throughput limit as a result of the addition of Tanks #1 and #2.

1. New Source Performance Standards (NSPS)

Buckeye's newly acquired distillate fuel storage tanks were both constructed in 1957 and are therefore not subject to *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978*, 40 C.F.R. §60.K (last amended October 17, 2000); *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984*, 40 C.F.R. §60.Ka (last amended December 14, 2000); or *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984*, 40 C.F.R. §60.Kb (last amended October 15, 2003). The purchase of these tanks are not considered to be a modification of them as neither will be moved, nor will they be physically or operationally changed in a way that results in additional air emissions. [40 CFR §60.110, §60.110a, §60.110b, §60.2]

2. VOC RACT

Reasonably Available Control Technology for Facilities that Emit Volatile Organic Compounds, 06-096 C.M.R. ch. 134 (effective October 17, 1993)(VOC-RACT) requires facilities that have the potential to emit forty tons or more of VOC per calendar year to apply RACT to their applicable VOC emissions.

Buckeye complies with VOC RACT by using internal floating roofs for gasoline storage tanks and a Vapor Recovery Unit (VRU) rated at 35 mg/L of product loaded, as presented in Air Emission License A-202-71-J-R, dated 12/03/2014. The new tanks are piped into the facility's loading rack which incorporates the VRU; therefore, the control methods used by Buckeye will continue to be considered RACT upon incorporation of the new tanks.

3. BPT Findings

The Department has determined BPT for Tanks #1 and #2 to be the storage of only distillate fuel, the continued maintenance of fixed roofs, and the incorporation of these tanks into the facility-wide requirements outlined in Air Emission License A-202-71-J-R.

4. Specific Condition (25) clarification

Specific Condition (25) from license A-202-71-J-R is as follows:

Buckeye shall conduct a compliance test of the vapor recovery unit prior to June 15, 2014 and every other year thereafter (2016, 2018, et cetera). A report containing the test results shall be submitted to the Department within 30 days of the completion of the test in accordance with the Department's stack test protocol. [06-096 CMR 115, BPT, 40 CFR 60.503]

Buckeye has been compliant with the condition, but the dates of completion have been on odd years beginning in 2013 as Buckeye conducted the tests a year earlier than required originally. Buckeye has requested that "(2016 and 2018 et cetera)" be removed to clarify the condition. Standard Condition (25) now reads as follows:

Buckeye completed a compliance test of the vapor recovery units on 06/25/2013. Buckeye shall continue to conduct compliance tests of the vapory recovery unit every other year, prior to May 15. A report containing the test results shall be submitted to the Department within 30 days of the completion of the test in accordance with the Department's stack test protocol. [06-096 CMR 115, BPT, 40 CFR 60.503]

C. Annual Emissions

This license amendment does not result in a change in annual emission limits for any pollutants.

III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source is determined by the Department on a case-by case basis. This minor revision results in no increased emission limits for Buckeye and therefore does not require any Ambient Air Quality Impacts Analysis beyond what is discussed in Air Emission License A-202-71-J-R, dated 12/03/2014.

ORDER

Based on the above Findings and subject to conditions contained in Air Emission License A-202-71-J-R, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

**Buckeye Terminals, LLC
Penobscot County
Bangor, Maine
A-202-71-K-A (SM)**

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The Department hereby grants Air Emission License Amendment A-202-71-K-A subject to the conditions found in Air Emission License A-202-71-J-R and the following condition.

SPECIFIC CONDITIONS

The following condition replaces Specific Condition (25) in Air Emission License A-202-71-K-A:

- (25) Buckeye completed a compliance test of the vapor recovery units on 06/25/2013. Buckeye shall continue to conduct compliance tests of the vapory recovery unit every other year. A report containing the test results shall be submitted to the Department within 30 days of the completion of the test in accordance with the Department's stack test protocol. [06 096 CMR 115, BPT, 40 CFR 60.503]

DONE AND DATED IN AUGUSTA, MAINE THIS 17 DAY OF October, 2016.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: *Paul Mercer*
PAUL MERCER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-202-71-J-R.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 08/09/2016

Date of application acceptance: 08/11/2016

Date filed with the Board of Environmental Protection:

This Order prepared by Colby Fortier-Brown, Bureau of Air Quality.

