

Facility ID: 0664000103 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit S003](#)
- [Go to Part II for Emissions Unit S005](#)
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Facility ID: 0664000103 Emissions Unit ID: S003 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Crude Oil Storage Tank No. 1693	OAC rule 3745-21-09(L)	See A.2

2. Additional Terms and Conditions

- (a) The fixed roof storage tank shall be equipped with an internal floating roof or alternative equivalent control for VOC emissions as may be approved by the director. If equipped with an internal floating roof, the automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports, and the rim vents, if provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the types of petroleum liquids stored in the tank.
 - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

D. Reporting Requirements

1. None

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None

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Facility ID: 0664000103 Emissions Unit ID: S005 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2,105,670 gallon (50,135 barrel) Internal Floating Roof Crude Oil Storage Tank	40 CFR part 60, Subpart Kb OAC rule 3745-21-09(L)	See A.2

2. Additional Terms and Conditions

- (a) The fixed roof storage tank shall be equipped with an internal floating roof.
 - The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports, and the rim vents, if provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting.
 - All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.
 - The permittee shall comply with the control requirements as specified in 40CFR60.112b(a).

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:
 - a. The types of petroleum liquids stored in the tank.
 - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.
2. The permittee shall comply with the monitoring requirements as specified in 40CFR60.116b and the recordkeeping requirements as specified in 40 CFR60.115b.

D. Reporting Requirements

1. The permittee shall comply with the following reporting requirements as specified in 40CFR60.115b:
 - a. Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 40 CFR 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR 60.7(a)(3).
 - b. Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
 - c. If any of the conditions described in 40 CFR 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.
 - d. After each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made.

E. Testing Requirements

1. The permittee shall comply with the testing requirements as specified in 40 CFR 60.113b:
 - a. Visually inspect the vessel as specified in paragraph 40 CFR 60.113b(a)(4) at least every 5 years; or
 - b. Visually inspect the vessel as specified in paragraph 40 CFR 60.113b(a)(2).

F. Miscellaneous Requirements

1. None

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Facility ID: 0664000103 Emissions Unit ID: T003 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
908,754-gallon fixed roof storage tank (Crude Oil Storage Tank No. 1693)	OAC rule 3745-21-09(L)	See B.1, B.2 and B.3 below.
2. Additional Terms and Conditions		
(a) None		

B. Operational Restrictions

1. The fixed roof storage tank shall be equipped with an internal floating roof.
2. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports, and the rim vents, if provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting.
3. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information for this emissions unit:
 - a. the types of petroleum liquids stored; and
 - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

D. Reporting Requirements

1. None

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None

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Facility ID: 0664000103 Emissions Unit ID: T005 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2,105,670-gallon fixed roof storage tank	OAC rule 3745-21-09(L) 40 CFR Part 60, Subpart Kb	See A.2.a below. See B.1 below.

2. Additional Terms and Conditions

- (a) The emissions limitation required by this applicable rule is less stringent than the emissions limitation established in 40 CFR Part 60, Subpart Kb.

B. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof storage tank any petroleum liquid which, as stored, has a true vapor pressure greater than 76.6 kilopascals ("kPa").
2. The permittee shall operate and maintain a fixed roof in combination with an internal floating roof. The internal floating roof must be built and operated per the specifications set forth in 40 CFR Part 60.112b(a)(1).

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source.
2. The permittee shall maintain records of the following information:
 - the types of petroleum liquids stored in the tank;
 - the period of storage; and
 - the maximum true vapor pressure (in kPa), during the storage period.
3. Available data on the storage temperature may be used to determine the maximum true vapor pressure as follows:
 - For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
 - For crude oil or refined petroleum products, the vapor pressure may be obtained by the following:
 - i. available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference - see Sec. 60.17), unless the Director specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s); or
 - ii. the true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.
 For other liquids, the vapor pressure:
 - i. may be obtained from standard reference texts; or
 - ii. determined by ASTM Method D2879-83 (incorporated by reference--see Sec. 60.17); or
 - iii. measured by an appropriate method approved by the Director; or
 - iv. calculated by an appropriate method approved by the Director.
4. The permittee of each storage vessel as specified in 40 CFR Part 60.112b(a)(1) (permanently affixed roof and internal floating roof) shall:
 - Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.
 - For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the liquid inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from Ohio EPA Southeast District Office ("SEDO") in the inspection report required in Section D.2 below. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
 - Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other opening in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no

longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel.

In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in Section C.4.b. above.

For vessels equipped with a double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B), the permittee shall comply with either of the following:

- i. Visually inspect the vessel as specified in Section C.4.c above at least once every 5 years.
- ii. Visually inspect the vessel as specified in Section C.4.b above.

The permittee shall keep records of each inspection performed as required by this Section. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to SEDO which summarize all vapor pressure records from Section C.1 for all materials having a true vapor pressure greater than 76.6 kPa.
2. The permittee shall submit the following to SEDO after installing control equipment in accordance with 40 CFR 60.112b(a)(1) (fixed roof and internal floating roof):
a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR Part 60.112b(a)(1) and 40 CFR Part 60.113b(a)(1) (this report shall be an attachment to the notification required by 40 CFR Part 60.7(a)(3)); and,
an inspection report if any of the conditions described in Section C.4.b above are detected during the annual visual inspection required by Section C.4.b above (the report must be furnished within 30 days of the inspection, and shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made); or,
an inspection report after each inspection required by Section C.4.d above that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Section C.4.d.ii above (the report must be furnished within 30 days of the inspection, and shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR Part 60.112b(a)(1) or Section C.4.d above, and list each repair made).
3. The permittee shall notify SEDO in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Sections C.4.a and C.4.c above to afford SEDO the opportunity to have an observer present. If the inspection required by Section C.4.c above is not planned and the permittee could not have known about the inspection 30 days in advance of refilling the tank, the permittee shall notify SEDO at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification, including the written documentation, may be made in writing and sent by express mail so that it is received by SEDO at least 7 days prior to the refilling.

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None