



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL
CUYAHOGA COUNTY
Application No: 13-03964**

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 8/6/2002

Cuyahoga Landmark, Inc. Strongsville Blk
Gary Smith
12782 Prospect Road
Strongsville, OH 44136

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

CBAPC



**Permit To Install
Terms and Conditions**

**Issue Date: 8/6/2002
Effective Date: 8/6/2002**

FINAL PERMIT TO INSTALL 13-03964

Application Number: 13-03964
APS Premise Number: 1318554294
Permit Fee: **\$1700**
Name of Facility: Cuyahoga Landmark, Inc. Strongsville Blk
Person to Contact: Gary Smith
Address: 12782 Prospect Road
Strongsville, OH 44136

Location of proposed air contaminant source(s) [emissions unit(s)]:
**12966 Prospect Road
Strongsville, Ohio**

Description of proposed emissions unit(s):
Bulk Gasoline terminal with 6 underground storage tanks -- J003, T011, T012, T013, T014, T015, T016.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	5.88

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
J003 - Bulk liquid fuel plant with six (6) bottom load loading arms.	OAC rule 3745-31-05 (A) (3)	16.50 lbs/day and 3.02 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart XX do not apply to this emissions unit since this facility is defined as a bulk gasoline plant which does not receive gasoline by pipeline, ship or barge and has a daily gasoline throughput of less than or equal to 75,700 liters per day (< 20,187 gallons per day).

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. Any loading rack at the bulk gasoline plant which transfers gasoline to a delivery vessel shall be equipped for top submerged filling or bottom filling for the transfer of gasoline.
3. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline

can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.

4. For any transfer of gasoline from a loading rack located at the bulk gasoline plant to a delivery vessel, the vapors displaced from delivery vessel shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the delivery vessel to the stationary storage tank being unloaded and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the stationary storage tank.
5. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.
6. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
7. The delivery vessel hatches shall be closed at all times during the loading of the delivery vessel.
8. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
9. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
10. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
11. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
12. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity of all gasoline loaded into gasoline tank trucks;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;

- ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
- iii. leak determination method;
- iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
- v. inspector's name and signature.

D. Reporting Requirements

- 1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

- 1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
16.5 lbs./day of VOC emissions

Applicable Compliance Method:
Compliance with the above daily emission limitation shall be determined by the following equation:

$$\text{Total daily VOC Emissions} = (L_{L\text{gas}} + L_{T\text{gas}}) + (L_{L\text{diesel}} + L_{T\text{diesel}}) + (L_{L\text{kerosene}} + L_{T\text{kerosene}})$$

Where:

$L_{L\text{gas}}$ = the emission loss from the daily gasoline loading/unloading operations [calculated by multiplying the maximum gasoline loaded/unloaded per day by an emission factor of 2.47 lbs VOC per 1000 gallons of gasoline loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

$L_{T\text{gas}}$ = the emission loss from daily gasoline transporting operations [calculated by multiplying the maximum gallons gasoline transported per day by an emission factor of 0.45 lbs VOC per 1000 gallons of gasoline transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail

tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids").

$L_{Ldiesel}$ = the emission loss from the daily diesel loading/unloading operations [calculated by multiplying the maximum diesel loaded/unloaded per day by an emission factor of 0.007 lbs VOC per 1000 gallons of diesel loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

$L_{Tdiesel}$ = the emission loss from daily diesel transporting operations [calculated by multiplying the maximum gallons diesel transported per day by an emission factor of 0.03 lbs VOC per 1000 gallons of diesel transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids")].

$L_{Lkerosene}$ = the emission loss from the daily kerosene loading/unloading operations [calculated by multiplying the maximum kerosene loaded/unloaded per day by an emission factor of 0.008 lbs VOC per 1000 gallons of kerosene loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

$L_{Tkerosene}$ = the emission loss from daily kerosene transporting operations [calculated by multiplying the maximum gallons kerosene transported per day by an emission factor of 0.04 lbs VOC per 1000 gallons of kerosene transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids")].

- b. Emission Limitation:
3.02 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by the following equation:

$$\text{Total annual VOC Emissions} = (L_{Lgas} + L_{Tgas}) + (L_{Ldiesel} + L_{Tdiesel}) + (L_{Lkerosene} + L_{Tkerosene})$$

Where:

L_{Lgas} = the emission loss from the annual gasoline loading/unloading operations [calculated by multiplying the maximum gasoline loaded/unloaded per year by an emission factor of 2.47 lbs VOC per 1000 gallons of gasoline loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

L_{Tgas} = the emission loss from annual gasoline transporting operations [calculated by multiplying the maximum gallons gasoline transported per year by an emission factor of 0.45 lbs VOC per 1000 gallons of gasoline transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids")].

$L_{Ldiesel}$ = the emission loss from the annual diesel loading/unloading operations [calculated by multiplying the maximum diesel loaded/unloaded per year by an emission factor of 0.007 lbs VOC per 1000 gallons of diesel loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

$L_{Tdiesel}$ = the emission loss from annual diesel transporting operations [calculated by multiplying the maximum gallons diesel transported per year by an emission factor of 0.03 lbs VOC per 1000 gallons of diesel transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids")].

$L_{Lkerosene}$ = the emission loss from the annual kerosene loading/unloading operations [calculated by multiplying the maximum kerosene loaded/unloaded per year by an emission factor of 0.008 lbs VOC per 1000 gallons of kerosene loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")]

$L_{Tkerosene}$ = the emission loss from annual kerosene transporting operations [calculated by multiplying the maximum gallons kerosene transported per year by an emission factor of 0.04 lbs VOC per 1000 gallons of kerosene transported (transit loss emission factors taken from Table 5.2-5 Total uncontrolled organic emission factors for petroleum liquid rail tank cars and tank trucks - pg 5.2-12 of AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

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Cuyahoga Landmark, Inc. Strongsville Blk

PTI Application: 13-03964

Issued: 8/6/2002

Facility ID: 1318554294

Emissions Unit ID: J003

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T011 - 10,000 gallon mid-grade gasoline underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	0.28 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.28 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum gasoline loaded/unloaded per year by an emission factor of 2.47 lbs VOC per 1000 gallons of gasoline loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T012 - 10,000 gallon super-grade gasoline underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	0.28 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.28 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum gasoline loaded/unloaded per year by an emission factor of 2.47 lbs VOC per 1000 gallons of gasoline loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T013 - 20,000 gallon regular unleaded gasoline underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	2.26 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
2.26 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum gasoline loaded/unloaded per year by an emission factor of 2.47 lbs VOC per 1000 gallons of gasoline loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T014 - 20,000 gallon low sulfur diesel fuel underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	0.01 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum diesel fuel loaded/unloaded per year by an emission factor of 0.007 lbs VOC per 1000 gallons of diesel fuel loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T015 - 20,000 gallon high sulfur diesel fuel underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	0.02 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.02 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum diesel fuel loaded/unloaded per year by an emission factor of 0.007 lbs VOC per 1000 gallons of diesel fuel loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
T016 - 20,000 gallon kerosene underground storage tank with vapor recovery.	OAC rule 3745-31-05 (A) (3)	0.01 TPY of Volatile Organic Compounds. see Section B.
	OAC rule 3745-21-09 (P)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- 2.a The requirements of NSPS Subpart Kb do not apply to the storage tanks since this facility is defined as a bulk gasoline plant.

B. Operational Restrictions

1. Each stationary storage tank which stores gasoline at the bulk gasoline plant shall be loaded by means of a submerged fill pipe.
2. For any transfer of gasoline from a delivery vessel to a stationary storage tank located at the bulk gasoline plant, the vapors displaced from the stationary storage tank shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the stationary storage tank to the delivery vessel and a means to ensure that the vapor line is connected before gasoline can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel.
3. All gasoline loading lines, unloading lines, and vapor lines shall be equipped with fittings which are vapor tight.

4. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
5. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
6. There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.
7. The pressure relief valves on the stationary storage tanks and delivery vessels shall be set to release at no less than 0.7 pound per square inch gauge or the highest possible pressure in accordance with State or local fire codes, or the "National Fire Prevention Association" guidelines.
8. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation.
9. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system, which is employed to meet the requirements of paragraph (P)(1) of OAC rule 3745-21-09, when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for a period of at least five years:
 - a. the daily quantity and type of all organic liquid loaded from delivery vessel into the storage tank;
 - b. the results of any leak checks, including, at a minimum, the following information:
 - i. date of inspection;
 - ii. findings (may include no leaks discovered or location, nature, and severity of each leak);
 - iii. leak determination method;
 - iv. corrective action (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days);
 - v. inspector's name and signature.

D. Reporting Requirements

1. The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any leaks in vapor or liquid lines that are not repaired within 15 days after identification. This notification shall include a copy of any such record and shall be sent to the Director (appropriate District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 TPY of VOC emissions

Applicable Compliance Method:

Compliance with the above annual emission limitation shall be determined by calculating the emission loss from the annual loading operations of product into the storage tank [calculated by multiplying the maximum kerosene loaded/unloaded per year by an emission factor of 0.008 lbs VOC per 1000 gallons of kerosene loaded/unloaded (the loading loss emission factor assumes a 70% vapor collection efficiency for vessels not required to pass annual leak tests and is calculated using Equation 1 section 5.2-4, AP-42: "5.2 Transportation and marketing of petroleum liquids")].

F. Miscellaneous Requirements

None