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Date: **August 5, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio 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

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approval constitutes a violation of Ohio Administrative Code (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 prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

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PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for 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.

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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Ohio Department of Transportation** located in **Washington** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
G001	Gasoline storage tank: 1-2,000 gallon	Stage I vapor control - 90 percent control efficiency for volatile organic compounds (VOCs), submerged fill	3745-21-09 (R)	Stage I vapor control - 90 percent control efficiency for volatile organic compounds (VOCs), submerged fill
	Diesel storage tank: 1-4,000 gallon	Submerge fill	3745-31-05	Submerge fill
	Gasoline dispensing facility	Less than 1 ton organic compounds (OC)/year		Less than 1 ton organic compounds (OC)/year

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SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
OC	Less than 1

GASOLINE DISPENSING FACILITIES: STAGE II

Gasoline dispensing operations identified within this permit shall comply with the requirements for Stage II vapor control as outlined in OAC rule 3745-21-09(DDD). All vapors displaced from the motor vehicle shall be vented to a vapor control system which is designed and operated to maintain an overall control efficiency of not less than ninety-five per cent, by weight, for the VOC in the displaced vapors and which is certified by the California Air Resources Board (CARB). The vapor control system shall employ only coaxial hoses, and the use of remote check valves shall be prohibited.

The vapor control system shall be operated and maintained in accordance with the manufacturer's specifications and the applicable certification granted by the CARB, and shall be free of any defects as outlined in OAC rule 3745-21-09(DDD)(1)(b).

Operating instructions for the vapor control system must be conspicuously posted in each gasoline dispensing area. The operating instructions shall clearly describe how to properly fuel motor vehicles and shall specifically prohibit the topping off of the motor vehicle fuel tank. At retail gasoline dispensing facilities, the Ohio EPA's toll free telephone number for complaints concerning the operation and/or condition of the vapor control system shall be clearly posted with the operating instructions.

TESTING REQUIREMENTS

The vapor control system must successfully meet all requirements regarding testing contained in OAC 3745-21-09(DDD)(2). In accordance with the test procedures listed in OAC rule 3745-21-10,

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the following tests shall be performed: leak test; dynamic pressure drop test; and liquid blockage test.

Not later than thirty days prior to any tests required pursuant to OAC rule 3745-21-09 (DDD)(2)(a) and (DDD)(2)(d), the owner or operator of the gasoline dispensing facility shall submit a test notification to the Ohio EPA or its delegated local air agency. The test notification shall describe the proposed test methods and procedures, the time and date of the tests, and the person who will be conducting the tests. Failure to submit such notification prior to the tests may result in the Ohio EPA's refusal to accept the results of the tests. Personnel from the Ohio EPA or its delegated local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information during the tests. A comprehensive written report on the results of the tests must be submitted to the Ohio EPA or its delegated local air agency within thirty days following the completion of the tests.

At intervals not to exceed five years, the owner or operator of the gasoline dispensing facility shall repeat and demonstrate compliance with the requirements of the tests specified in OAC rule 3745-21-09 (DDD)(2).

RECORDKEEPING REQUIREMENTS

The following records shall be maintained for this facility:

- a. the quantity of gasoline delivered to the facility during each calendar month;
- b. the results of any tests performed pursuant to OAC 3745- 21-09(DDD)(2);
- c. a log of the date and description of all repair and maintenance work performed, or any other modifications made to the vapor control system;
- d. a copy of the most recent permit to operate application (including appendix) submitted to the Ohio EPA;
- e. copy of the most recent permit to operate issued by the Ohio EPA; and

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f. proof of attendance and completion of the training required by the Ohio EPA.

All of the above records shall be retained by the owner or operator for a period of not less than three (3) years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

GASOLINE DISPENSING FACILITIES

BAT for any gasoline dispensing operation identified within this permit consists of the use of Stage I vapor balance system. The vapor balance system shall be designed and operated to route at least 90% by weight of the organic compounds in the displaced vapors from the storage tanks to the delivery vessel and shall be equipped with a means to prevent the discharge into the atmosphere of displaced vapors from an unconnected vapor line. This shall be used at all times when filling the tanks.

The transfer of gasoline from a delivery vessel to a stationary storage tank shall be conducted by use of submerged fill into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank.

This facility shall be serviced by a bulk gasoline plant or terminal that is in compliance with OAC Rule 3745-21-09(P) or (Q), respectively.

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There shall be no leaks in the vapor and liquid lines during the transfer of gasoline.

All fill caps shall be "in place" and clamped during normal storage conditions.

The gasoline dispensing facility shall repair within 15 days any leaks from the vapor balance system which is employed to meet the requirements of Paragraph (A)(3) of OAC Rule 3745-31-05 or Paragraph (R)(1) of OAC Rule 3745-21-09 when such leaks are equal to or greater than 100% of the lower explosive limit of propane, as determined under Paragraph (K) of OAC Rule 3745-21-10.

DIESEL AND/OR KEROSENE DISPENSING FACILITIES

BAT for any diesel and/or kerosene dispensing operation identified within this permit consists of the transfer of diesel and/or kerosene from a delivery vessel to a stationary storage tank through the use of submerged filling into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank.

MISCELLANEOUS STORAGE TANKS

Unless otherwise indicated, BAT for any miscellaneous storage tanks identified within this permit consists of the use of submerged fill into the storage tanks. The submerged fill pipe(s) are to be installed within six (6) inches of the bottom of the storage tank.

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.

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions

1. The permittee shall comply with the following operational restrictions for the Stage I vapor control system:
 - a. the vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline;
 - b. there shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers;
 - c. there shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline;
 - d. the transfer of gasoline from a delivery vessel to a stationary storage tank shall be conducted by use of submerged fill into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank;
 - e. all fill caps shall be "in place" and clamped during normal storage conditions; and,
 - f. 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 (R)(1) of OAC rule 3745-21-09 when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

B. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the results of any leak checks, including, at a minimum, the following information:

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- a. date of inspection;
 - b. findings (may indicate no leaks discovered or location, nature, and severity of each leak);
 - c. leak determination method;
 - d. corrective action (date each leak repaired and reasons for any repair interval in excess of 15 calendar days); and,
 - e. inspector's name and signature.
2. The permittee shall maintain records of the annual gasoline and diesel throughput for the facility.

C. Reporting Requirements

1. Any leak from the vapor balance system or vapor control system that is not repaired within 15 days after identification shall be reported to the Director within 30 days after the repair is completed.

D. Testing Requirements

1. Compliance with the annual organic compound (OC) emission limit in Section A.1. of these Additional Special Terms and Conditions shall be calculated as the sum of the OC emissions from all gasoline storage tanks filling and dispensing operations and, if applicable, diesel, kerosene, and used oil tank filling operations at the gasoline dispensing facility (unless otherwise exempted pursuant to OAC rule 3745-31-03). This calculation shall be based on the annual gasoline, diesel, kerosene, and used oil throughputs for the facility using the calculation and emission factors below.

a. Emission Limitation

Less than 1 ton OC/year

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Applicable Compliance Method

Multiply the appropriate emission factor below by the gallons of gasoline, diesel, kerosene, or used oil dispensed per year and divide by 2,000 pounds/ton. Repeat this calculation for each material dispensed at the facility and sum the results to yield the total annual OC emission rate.

(Emission rates (factors) are expressed in pounds (lbs) of organic compounds per 1,000 gallons of gasoline throughput. Emission factors are for VOC as well as total organic compound (OC) emissions, because the methane and ethane content of gasoline is negligible).

- i. Emission factors for gasoline storage tank filling and dispensing operations:
 - aa. gasoline dispensing facility has submerged tank filling for gasoline storage tanks: OC emission factor = 20.0 pounds OC/1,000 gallons;
 - ab. gasoline dispensing facility has submerged tank filling with Stage I vapor control for gasoline storage tanks: OC emission factor = 13.0 pounds OC/1,000 gallons; and,
 - ac. gasoline dispensing facility has submerged tank filling with Stage I vapor control for gasoline storage tanks and Stage II vapor control for vehicle refueling: OC emission factor = 3.1 pounds OC/1,000 gallons.

(Gasoline emission factors are from USEPA publication AP-42, Fifth Edition, Table 5.2-7).

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ii. Emission factors for diesel, kerosene, and used oil tank filling operations:

aa. gasoline dispensing facility has submerged tank filling for diesel, kerosene, and used oil tank filling operations: OC emission factor = 0.027 pound OC/1,000 gallons.

(This emission factor is the SCC emission factor for transfer operations from diesel storage tanks. It is assumed that the same emission factor applies to kerosene and used oil transfer operations).