

TENNESSEE AIR POLLUTION CONTROL BOARD  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE, TENNESSEE 37243-1531



Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: ~~NOV 17 2009~~

Permit Number:  
963042G

Date Expires: November 1, 2010

Issued To:  
Murphy Express #8562

Installation Address:  
310 Winfield Dunn Parkway  
Sevierville

Installation Description:  
Gasoline Dispensing Facility  
(Non-ISBMG, Stage I Vapor Recovery,  
Maximum Monthly Throughput  $\geq$  10k gal./mo)


Emission Source Reference No.  
78-0215-01

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit was received on September 11, 2009, (with updated information received on October 6, 2009), and is signed by Mr. Kevin Roussel, Manager, Construction for the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(Conditions continued on next page)

  
TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

**POST AT INSTALLATION ADDRESS**

2. The total stated maximum monthly throughput of gasoline for this source is 250000 gallons per calendar month. The Technical Secretary may require the permittee to prove compliance with this rate.
3. Pursuant to TAPCR 1200-3-18-.24(1)(a)1 and 1200-3-18-.24(1)(a)2, this facility, located in Sevier County and exceeding the applicability threshold specified in Part 1200-3-18-.24(1)(b)2 and Subpart 1200-3-18-.24(1)(b)3(ii) shall be subject to all of the respective provisions of TAPCR 1200-3-18-.24 for facilities exceeding this applicability threshold and shall remain subject to these provisions even if throughput later falls below this threshold or if ownership of the facility is transferred.
4. Pursuant to TAPCR 1200-3-18-.24(3)(a)1, all gasoline storage vessels at this facility shall be loaded by submerged fill. ("Submerged fill" means the method of filling a delivery vessel or storage vessel where product enters within 5.9 inches of the bottom of the delivery or storage vessel. Bottom filling of delivery and storage vessels is included in this definition).
5. Pursuant to TAPCR 1200-3-18-.24(3)(a)2, all vapor lines on the gasoline storage vessels shall be equipped with closures that automatically seal upon disconnect.
6. Pursuant to TAPCR 1200-3-18-.24(3)(a)3, all gasoline storage vessels at this facility shall be served by a Stage I vapor recovery system, approved by the Technical Secretary, and designed, installed, and maintained to recover gasoline vapors displaced during transfer of gasoline from a tank truck to a storage tank.
7. Pursuant to TAPCR 1200-3-18-.24(3)(a)4, if a gasoline storage vessel gauging well separate from the fill tube is used for manual measurement, it shall be provided with a submerged drop tube that extends to within 5.9 inches of the gasoline storage vessel bottom.
8. Pursuant to TAPCR 1200-3-18-.24(3)(a)5, liquid fill connections for all systems shall be equipped with vapor-tight caps.
9. Pursuant to TAPCR 1200-3-18-.24(5)(a)1, the permittee shall conduct an initial compliance demonstration within ten (10) days after the start-up of the facility (See Item 1 on Attachment 1 for certification requirements).
10. Pursuant to TAPCR 1200-3-18-.24(5)(b)3, required permits shall be kept at the facility for which the permits are issued.
11. Pursuant to TAPCR 1200-3-18-.24(5)(c)1, the permittee shall report each occurrence of excess emissions as required in Attachment 1 to the Technical Secretary within 30 calendar days of becoming aware of such occurrence. Excess emissions shall mean any emissions caused by a deficiency in meeting the standards described in Rule 1200-3-18-.24(3) (See Item 2 on Attachment 1 for excess emission report requirements).
12. This permit shall serve as a temporary operating permit from initial start-up to the receipt of a standard operating permit, provided the operating permit is applied for within (30) days of initial start-up and the conditions of this permit and any applicable emission standards are met.

13. The permittee shall certify the start-up date of the air contaminant source regulated by this permit by submitting

**A COPY OF ALL PAGES OF THIS PERMIT,**

with the information required in A. and B. of this condition completed, to the Technical Secretary's representatives listed below:

A. DATE OF START-UP: /\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
 Month Day Year

B. Anticipated operating rate: \_\_\_\_\_ percent of maximum rated capacity.

For the purpose of complying with this condition, "start-up" of the air contaminant source shall be the date of the setting in operation of the source for the sale of gasoline.

The undersigned represents that he/she has the full authority to represent and bind the permittee in environmental permitting affairs. The undersigned further represents that the above provided information is true to the best of his/her knowledge and belief.

Signature		Date
Signer's name (type or print)	Title	Phone with area code

Note: This certification is not an application for an operating permit. At a minimum, the appropriate application form, an APC 150 (or an APC 20, if no changes have been made to the facility as described in the APC 150 submitted to apply for this permit), must be submitted requesting an operating permit. The application must be submitted in accordance with the requirements of this permit.

The completed certification shall be delivered to East Tennessee Permit Program and the Knoxville Environmental Field Office at the addresses listed below no later than 30 days after the air contaminant source is started-up.

East Tennessee Permit Program  
 Division of Air Pollution Control  
 9th Floor L & C Annex  
 401 Church Street  
 Nashville, Tennessee 37243-1531

Knoxville Environmental Field Office  
 Division Of Air Pollution Control  
 3711 Middlebrook Pike  
 Knoxville, Tn 37921

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**ATTACHMENT 1**  
**CERTIFICATION**  
**and**  
**EXCESS EMISSION REPORTS**  
**REQUIREMENTS**

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**Permittee:** 78-0215-01  
Murphy Express #8562  
**Location:** 310 Winfield Dunn Parkway  
Sevierville  
**Permit Number:** 963042G  
**Date Issued:**



**NOV 17 2009**

1. The owner or operator of this facility has demonstrated to the Technical Secretary a compliance certification by inspection. Certification included the following:
  - (a) For initial compliance certification, as a minimum:
    1. Name and location of the facility.
    2. Address and telephone number of the person responsible for the facility.
    3. Identification of facility as gasoline dispensing facility.
  - (b) For the facility, as a minimum:
    1. The applicable equipment specification, or work practice;
    2. The method of achieving compliance;
    3. The control system(s) in use;
    4. Certification that the tanks, plumbing, and regulated equipment at the facility are in compliance with the applicable equipment specifications, or work practices.
    5. List any tank that fulfills the "exemption" criteria of 1200-3-18-.24(1)(b)1.
2. The owner or operator of this facility shall, for each occurrence of excess emissions, within 30 calendar days of becoming aware of such occurrence, supply the Technical Secretary with the following information:
  - (a) The name and location of the facility;
  - (b) The subject tanks, plumbing, or equipment that caused the excess emissions;
  - (c) The time and date of first observation of the excess emissions;
  - (d) The cause and expected duration of the excess emissions;
  - (e) The proposed corrective actions and schedule to correct the conditions causing the excess emissions.

## Emission Summary

Permit Number: 963042G

Source Status: New  Modification  Expansion  Relocation  Permit Status: New  Renewal

PSD  NSPS  NESHAPs  Previous Permit Number: Construction \_\_\_\_\_ Operating \_\_\_\_\_

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP										
SO <sub>2</sub>										
CO										
VOC	3.18	3.18		13.95	13.95			9/8/09 & 10/1/09		7-.07(2), 18-.24
NO <sub>x</sub>										

\* - Source of data: California Air Pollution Control Officers Association (CAPCOA) Toxics Committee's Air Toxics "Hot Spots" Program Report titled *Gasoline Service Station Industrywide Risk Assessment Guidelines*, dated December, 1997.

**Gasoline Dispensing Facility:** **Scenario 5B: Underground Tanks, Phase I, with Vent Valves**

<b>VOC Emission Factors:</b>	<b>Tank Loading</b>	<b>0.084 pounds/1000 gallons</b>
	<b>Tank Breathing</b>	<b>0.21 pounds/1000 gallons</b>
	<b>Vehicle Refueling</b>	<b>8.4 pounds/1000 gallons</b>
	<b>Spillage</b>	<b>0.61 pounds/1000 gallons</b>
	<b>Total</b>	<b>9.30 pounds/1000 gallons</b>

$$(9.30 \text{ pounds VOC/1000 gallons}) \times (250,000 \text{ gallons/month}) \times (12 \text{ months/year}) \times (1 \text{ ton}/2000 \text{ lbs}) = 13.95 \text{ tons VOC/year}$$

$$(13.95 \text{ tons VOC/year}) \times (1 \text{ year}/8,760 \text{ hours}) \times (2,000 \text{ pounds/ton}) = 3.18 \text{ pounds VOC/hour}$$

PERMITTING PROGRAM: HLC DATE: 11/16/09