



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217/782-2113

LIFETIME OPERATING PERMIT - NSPS SOURCE -- REVISED

PERMITTEE

Emulsicoat, Inc.
c/o Asphalt Materials, Inc.
Attn: Douglas A. Lozier
5400 West 86th Street
Indianapolis, Indiana 46268

Application No.: 77040047

I.D. No.: 019105ACV

Applicant's Designation: ODORCONT1

Date Received: July 22, 2005

Subject: Emulsified Asphalt Plant

Date Issued: October 19, 2005

Expiration Date: See Condition 1.

Location: 705 East University Avenue, Urbana

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

One Boiler (Over 10 mmBtu/Hr)
One Oil Heater (Over 10 mmBtu/Hr)
Two Emulsion Mills
Five Batch Mixing Tanks
Twenty Petroleum Raw Material Storage Tanks
Twenty-Four Finished Product Storage Tanks
One Hydrochloric Acid Storage Tank
Seven Truck Tanker and Rail Tank Cars Unloading Station
Nine Loading Rack Stations
Oil/Water Separator
Two Mist Eliminators and Three Odor Neutralizers Controlling Twelve Raw Materials Storage Tanks, Five Product Storage Tanks, Seven Unloading and Five Loading Stations

pursuant to the above-referenced application. This permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit shall expire 180 days after the Illinois EPA sends a written request for the renewal of this permit.
- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
- 2a. The Superior boiler #1 is subject to New Source Performance Standards (NSPS) for small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subparts A and Dc. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The Permittee shall fulfill applicable reporting and recordkeeping requirements of 40 CFR 60.48(c).

- c. At all times the Permittee shall, to the extent practicable, maintain and operate the boiler, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- 3. Operation and emissions of the boiler and oil heater shall not exceed the following limits:

Natural Gas Usage: 25 mmscf/month, 300 mmscf/year

<u>Pollutant</u>	<u>Emission Factor</u> (Lb/mmscf)	<u>Emissions</u>	
		(Tons/Mo)	(Tons/Yr)
Nitrogen Oxides (NO _x)	100	1.3	15.0
Carbon Monoxide (CO)	84	1.0	12.6
Particulate Matter (PM)	7.6	0.1	1.1
Volatile Organic Material (VOM)	5.5	0.07	0.8

These limits are based on the maximum production capacity and standard emission factors. Compliance with annual limits shall be determined on a monthly basis from a running total of 12 months of data.

- 4. This permit is based on Tank 44 not storing organic materials with a vapor pressure greater than 2.18 psi (15.0 kPa), and therefore not subject to the requirements of 40 CFR 60, Subpart Kb.
- 5. This permit is issued based on negligible emissions of volatile organic material from the raw material storage tanks, product mixing tanks, product storage tanks, loading and unloading racks, and oil/water separator. For this purpose, emissions from each group of sources shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.

VOM emissions from the operations of raw materials and product storage tanks and mixing tanks shall be calculated using equations given by AP-42 (5th edition, Section 7.1) and utilized in the USEPA distributed computer programs TANKS.

VOM emissions from the operations of tank truck loading and unloading racks shall be calculated using equations given by AP-42 (5th edition, Section 5.2).
- 6. This permit is issued based on negligible emission of hydrogen chloride from the hydrogen chloride storage tank. For this purpose, emission shall not exceed emission rates of 0.1 lb/hour and 0.44 tons/year.
- 7. In the event that the operation of this facility results in an odor nuisance or any other nuisance due to process operating conditions, raw materials usage or any other cause, the Permittee shall take all appropriate and necessary actions, including but not limited to, changes in process conditions, raw materials, or installation of emission controls, in order to eliminate the nuisance.

- 8a. Operation of the asphalt cement storage tanks and the loading racks is allowed during malfunction and breakdown of the control equipment for twelve hours. This condition supersedes Standard Condition 9a as it applies to malfunction and breakdown.
- b. The Permittee shall maintain records of excess emissions during malfunctions and breakdowns. As a minimum, these records shall include:
 - i. Date and duration of malfunction or breakdown;
 - ii. A full and detailed explanation of the cause for such emissions;
 - iii. The measures used to reduce the quantity of emissions and the duration of the occurrence; and
 - iv. The steps taken to prevent similar malfunctions or breakdowns or reduce their frequency and severity.
9. The Permittee shall maintain monthly records of the following items:
 - a. Names, identification numbers and throughputs (gallons/month, gallons/year) of raw materials; and
 - b. Asphalt material production rate (gallons/month, gallons/year).
10. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
11. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EP's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
12. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

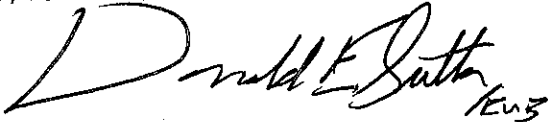
Illinois Environmental Protection Agency
Division of Air Pollution Control
2009 Mall Street
Collinsville, Illinois 62234

13. Persons with lifetime operating permits must obtain a revised permit for any of the following changes at the source:
- a. An increase in emissions above the amount the emission unit or the source is permitted to emit;
 - b. A modification;
 - c. A change in operations that will result in the source's noncompliance with conditions in the existing permit; or
 - d. A change in ownership, company name, or address, so that the application or existing permit is not longer accurate.

It should be noted that the boilers and asphalt heaters with firing rate less than 10 mmBtu/hr are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(d).

It also should be noted that this permit has been revised to include operations of three storage tanks described in Construction Permit 05070052.

If you have any questions on this permit, please contact John Blazis at 217/782-2113.

A handwritten signature in black ink that reads "Donald E. Sutton" with a stylized flourish at the end. Below the signature, the initials "EUS" are written.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:JPB:psj

cc: Region 3



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
P.O. BOX 19506
SPRINGFIELD, ILLINOIS 62794-9506

**STANDARD CONDITIONS
FOR
LIFETIME OPERATING PERMITS**

July 1, 1998

The Illinois Environmental Protection Act [415 ILCS 5/39 (formerly Illinois Revised Statutes, Chapter 111-1/2, Section 1039)] grants the Illinois Environmental Protection Agency authority to impose conditions on permits which it issues.

1. The issuance of this Permit does not release the Permittee from compliance with state and federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or with applicable local laws, ordinances and regulations.
2. The Illinois EPA has issued this Permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be ground for revocation under 35 Ill. Adm. Code 201.166.
3.
 - a. The Permittee shall not authorize, cause, direct or allow any modification, as defined in 35 Ill. Adm. Code 201.102, of equipment, operations or practices which are reflected in the permit application as submitted, until the appropriate permit is obtained from the Illinois EPA.
 - b. The Permittee shall obtain a new or revised permit under Section 39.5 of the Act, if the source no longer meets the applicability criteria of 35 Ill. Adm. Code 201.169 because of changes in emissions units or control equipment.
 - c. The Permittee shall obtain a revised permit prior to any of the following changes at the source:
 - i. An increase in emissions above the amount the emission unit or the source is permitted to emit; or
 - ii. A modification; or
 - iii. A change in operations that will result in the source's noncompliance with a condition in the existing permit; or
 - iv. A change in ownership, company name, or address, so that the application or existing permit is no longer accurate.
4.
 - a. This Permit only covers emission units and control equipment while physically present at the indicated source location. Unless the Permit specifically provides for equipment relocation, this Permit is void for an item of equipment on the day it is removed from the permitted location, or if all equipment is removed.
 - b. The Permittee shall notify the Illinois EPA in writing to withdraw the Permit if all operations the source have been permanently discontinued.

5. The Permittee shall allow any duly authorized agent of the Illinois EPA, upon the presentation of credentials, at reasonable times:
 - a. To enter the Permittee's property where actual or potential effluent, emission or noise units are located or where any activity is to be conducted, pursuant to this Permit;
 - b. To have access to and to copy any records required to be kept under the terms and conditions of this Permit;
 - c. To inspect, including during any hours of operation of equipment constructed or operated under this Permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this Permit;
 - d. To obtain and remove samples of any discharge or emission of pollutants; and
 - e. To enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring or recording any activity, discharge or emission authorized by this Permit.
6. The issuance of this Permit:
 - a. Shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located;
 - b. Does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the source;
 - c. Does not take into consideration or attest to the structural stability of any unit or part of the project; and
 - d. In no manner implies or suggests that the Illinois EPA (or its officers, agents, or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or source.
7. The Permittee shall maintain all equipment covered under this Permit in such a manner that the performance of such equipment shall not cause a violation of the Environmental Protection Act or regulations promulgated thereunder.
8. The Permittee shall maintain a maintenance record on the premises for each item of ~~air pollution control equipment. This records shall be made available to any agent~~ of the Illinois EPA at any time during normal working hours and/or operating hours. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.
9. No person shall cause or allow startup of any emission unit or continued operation during malfunction or breakdown of any emission unit or related air pollution control equipment if such startup or continued operation would cause a violation of an applicable emission standard or permit limitation if such operation is not allowed as a special condition of this Permit, as required by 35 Ill. Adm. Code 201.149.
10. The Permittee shall submit an Annual Emission Report as required by 35 Ill. Adm. Code 201.302 and 35 Ill. Adm. Code Part 254.
11. The Permittee shall pay the annual site fee for the source in accordance with Section 9.5 of the Act.