

17/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NSPS SOURCE -- REVISED

Permittee

Rockford Blacktop Construction Company  
Attn: Mr. M. W. Rafferty, President  
5290 Nimitz Road  
Loves Park, Illinois 61111

Application No.: 96050068

I.D. No.: 201808ACT

Applicant's Designation:

Date Received: April 26, 2001

Subject: Drum Mix Asphalt Plant

Date Issued: July 5, 2001

Expiration Date: September 30, 2003

Location: 3663 Baxter Road, New Milford

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of an oil-fired drum mix asphalt plant controlled by a baghouse, and four (4) asphalt cement storage tanks as described in the above-referenced application.

This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of carbon monoxide from the asphalt plant to less than major source thresholds, as further described in Attachment A. As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes the current permit(s) issued for this location.
- 2a. This Asphalt Plant is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and I. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The emissions from the Asphalt Plant shall not contain particulate matter in excess of 0.04 gr/dscf and shall not exhibit 20% opacity or greater, pursuant to the NSPS, 40 CFR 60.92.
- c. At all times the Permittee shall also maintain and operate the Asphalt Plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).
- 3a. Emissions and operation of the asphalt plant shall not exceed the

following limits:

Asphalt Concrete Production Rate	
<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
70,000	250,000

<u>Pollutant</u>	<u>Emission Rate (Lb/Ton)</u>	<u>Emissions</u>	
		<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Particulate Matter	0.033	1.2	4.2
Volatile Organic Material	0.032	1.2	4.0
Carbon Monoxide	0.130	4.6	16.3
Sulfur Dioxide	0.011	0.4	1.4
Nitrogen Oxides	0.055	<u>2.0</u>	<u>6.9</u>
		Totals: 9.4	32.8

These limits are based on the maximum asphalt production and standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. This permit is issued based on negligible emissions of VOM from the asphalt storage tanks. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year total.
- 4a. The Permittee shall maintain operating and maintenance logs for the dryer control system, including: maintenance activities, with date and description of inspections, repair actions, and equipment or filter bag replacements, etc.
5. The Permittee shall maintain records of the following items:
  - a. Asphalt concrete production (tons/month and tons/year).
6. The records required by this permit shall be retained at a readily accessible location at the plant for at least 3 years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request.
7. If the rotary dryer control system is not operating properly while the dryer is operated or there is an exceedance of the requirements of this permit, the Permittee shall submit a report 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.
8. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source, pursuant to 35 Ill Adm. Code 212.301.
9. The assembly of this plant at a new location will require a construction permit for the new location. This permit must be obtained prior to commencing construction at the new location.
10. 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  
5415 North University  
Peoria, Illinois 61614

11. The Permittee shall submit the following additional information from the prior calendar year, along with the Annual Emissions Report, due May 1st of each year:
  - a. asphalt production (tons/month and tons/year)
  - b. fuel consumption (gallons/month and gallons/year)

This report should be submitted to the Compliance Section at the address indicated in Condition 10.

12. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.

It should be noted that the asphalt heater and the 12,000 gallon and 20,000 gallon fuel oil storage tanks are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146 (d) and (n)(3), respectively.

It should be noted that this permit has been revised to incorporate the current AP-42 emission factors, as requested by the Permittee.

If you have any questions on this, please call Jim Kallmeyer at 217/782-2113.

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

DES:JDK:psj

Page 4

cc: Illinois EPA, FOS Region 2  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the asphalt plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of carbon monoxide at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

- 1a. Emissions and operation of the asphalt plant shall not exceed the following limits:

	<u>Asphalt Concrete Production Rate</u>			
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>		
	70,000	250,000		
<u>Pollutant</u>	<u>Emission Rate</u> <u>(Lb/Ton)</u>	<u>Emissions</u>		
		<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	
Particulate Matter	0.033	1.2	4.2	
Volatile Organic Material	0.032	1.2	4.0	
Carbon Monoxide	0.130	4.6	16.3	
Sulfur Dioxide	0.011	0.4	1.4	
Nitrogen Oxides	0.055	<u>2.0</u>	<u>6.9</u>	
		Totals:	9.4	32.8

These limits are based on the maximum asphalt production and standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. This permit is issued based on negligible emissions of VOM from the asphalt storage tanks. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year total.

DES:JDK:psj