

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NSPS SOURCE - RENEWAL

PERMITTEE

Allied Asphalt Paving Company
Attn: Daniel Plote
1100 Brandt Drive
Elgin, Illinois 60120

Application No.: 82040024 I.D. No.: 031123AAE
Applicant's Designation: Date Received: July 28, 1999
Subject: Asphalt and Crushing Plants
Date Issued: November 9, 1999 Expiration Date: November 9, 2004
Location: 4105 West Harrison Street, Hillside

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of a natural gas-fired batch mix asphalt plant controlled by a baghouse and one aggregate crusher pursuant to 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 air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for carbon monoxide (CO)). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
 - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
 - c. This permit supersedes all operating permit(s) issued for this location.
- 2a. The asphalt plant is subject to New Source Performance Standards (NSPS) for Asphalt Concrete Plants, 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 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).
3. Operation and emissions of the asphalt plant shall not exceed the following limits:

Asphalt Concrete Production: 40,000 ton/mo, 250,000 ton/yr

Pollutant	Emission Factors		Emissions	
	(Lb/Ton)		(Ton/Mo)	(Ton/Yr)
Carbon Monoxide (CO)	0.34		6.8	42.5
Particulate Matter (PM)	0.043		0.9	5.4
Nitrogen Oxides (NO _x)	0.025		0.5	3.1
Volatile Organic Material (VOM)	0.012		0.2	1.5

These limits are based on the actual emissions determined from maximum production rate and standard emission factors for NO_x and CO emissions given by AP-42. Emission factor for PM is based on the allowable by NSPS concentration and actual operational data which were demonstrated during the most recent stack test. Emission factor for VOM derived as a sum of emission factors for non-methane organic pollutants. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the preceding 12 months.

- 4a. The aggregate crusher is subject to New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subparts A and OOO. The Illinois EPA is administrating these standards in Illinois on behalf of the United States EPA under a delegation agreement.
 - b. Emissions of particulate matter from the crusher (except from truck dumping) shall not exceed 15 percent opacity (40 CFR 60.672(c) and (d)).
 - c. At all times the Permittee shall also maintain and operate this equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
5. Operation and emissions of the aggregate crusher shall not exceed the following limits:

<u>Emission Unit</u>	<u>Throughput</u>		<u>Emission Factor</u> (Lb/Ton)	<u>Particulate Matter Emission</u>	
	(Ton/Mo)	(Ton/Yr)		(Lb/Mo)	(Ton/Yr)
Crusher	10,000	50,000	0.0007	35	0.02

This limits are based on maximum processing rate of the crusher and standard emission factors. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

6. The Permittee shall maintain monthly records of the asphalt concrete production (tons/mo, tons/yr).
7. All records and logs required by this permit shall be retained at a easily 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 and USEPA 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 the Illinois EPA request for records during the course of a source inspection.
8. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
9. 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.
10. 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.
11. 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.
12. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year: asphalt production (tons/year).

13. 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 - Regional Office
Eisenhower Tower
1701 First Avenue
Maywood, Illinois 60153

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

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

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

DES:VJB:jar

cc: Illinois EPA, FOS Region 1
Illinois EPA, Compliance Section
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the asphalt batch and aggregate crushing plants 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. This is a production of 250,000 tons of asphalt concrete and processing of 50,000 of aggregate per year. The resulting maximum emissions are well below the levels, e.g., 100 tons/year for CO, 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.

1. Emissions from the asphalt plant:

Pollutant	Emission Factors	Emissions	
	(Lb/Ton)	(Ton/Mo)	(Ton/Yr)
Carbon Monoxide (CO)	0.34	6.8	42.5
Particulate Matter (PM)	0.043	0.9	5.4
Nitrogen Oxides (NO _x)	0.025	0.5	3.1
Volatile Organic Material (VOM)	0.012	0.2	1.5

2. Operation and emissions of the aggregate processing plant shall not exceed the following limits:

<u>Emission Unit</u>	Throughput		Emission	Particulate	
	(Ton/Mo)	(Ton/Yr)	Factor (Lb/Ton)	Matter Emission (Lb/Mo)	(Ton/Yr)
Crusher	10,000	50,000	0.0007	35	0.02

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