

217/782-2113

"REVISED"

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NSPS SOURCE

PERMITTEE

Orange Crush, L.L.C.
Attn: Mark J. Tubay
323 Center Street
Hillside, Illinois 60162

Application No.: 85110010 I.D. No.: 031063AHD
Applicant's Designation: Date Received: June 5, 1995
Subject: Asphalt and Crushing Plant
Date Issued: November 21, 1995 Expiration Date: November 21, 2000
Location: 1819 South Elmhurst Road, Des Plaines

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of a gas-fired drum mix asphalt plant (gas-fired dryer with a baghouse and a gas-fired asphalt heater) and a crushing plant (a crusher water spray bars), pursuant to the above referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. This federally enforceable state operating permit is issued to limit the emissions of particulate matter from the gas-fired drum mix asphalt and crushing 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 40 CFR 60.92.
- c. The Permittee shall 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 40 CFR 60.11(d).

- 3a. Operation of the asphalt plant shall not exceed the following limits:

Asphalt Production Rate: 100,000 tons/mo and 650,000 TPY.

- b. 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.
- 4a. The crushing plant is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and OOO. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Fugitive emissions of particulate matter from the crushers (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, to the extent practicable, maintain and operate these sources, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- 5a. Operation of the crushing plant shall not exceed the following limits:
- Aggregate Production: 75,000 tons/mo and 400,000 TPY.
- b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month and the preceding 11 months.
- c. Water sprays shall be used on the crushers, screens, conveyors, stockpiles, and roadways to produce a moisture content of 1.5% by weight or higher.
- d. The aggregate shall be tested once a month during operating time using ASTM Procedures (C566-67) to determine the moisture content in % by weight.
- e. The Permittee shall maintain a monthly record of the results of the moisture content tests required by 5d.
- 6a. Within 90 days of written request from the Agency, pursuant to 35 Ill. Adm. Code Section 201.282, the emissions and opacity of exhausts from the asphalt and crushing plants shall be measured during conditions which are representative of the maximum performance. The Agency may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 90 days.

- b. i. The following methods and procedures shall be used for testing of emissions. Refer to 40 CFR 60, Appendix A for USEPA test methods.

Location of Sample Point	USEPA Method 1
Gas Flow and Velocity	USEPA Method 2
Particulate Matter	USEPA Method 5
Opacity	USEPA Method 9

- ii. A test shall consist of three separate runs each at least 60 minutes in duration. Compliance shall be determined from the average of the runs provided that the Agency may accept the arithmetic means of the two runs in circumstances described in 40 CFR 60.8(f).
- c. Testing shall be performed by a qualified independent testing service.
- d. At least 30 days prior to the actual date of testing, a written test plan shall be submitted to the Agency for review and approval. A copy shall also be submitted to the USEPA. This plan shall describe the specific procedures for testing, including:
 - i. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - ii. The conditions under which testing will be performed, including a discussion of why these conditions will be representative of the maximum operating rate, the levels of operating parameters at or within which compliance is intended to be shown, if applicable, and the means by which the operating parameters for the process and any control equipment will be determined.
- e. The Agency shall be notified prior to these tests to enable the Agency to observe these tests. Notification for the expected date of testing shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five (5) working days prior to the actual date of the tests. The Agency may, at its discretion, accept notification with shorter advance notice provided that the Agency will not accept such notifications if it interferes with Agency's ability to observe the testing.
- 7a. The Permittee shall maintain operating logs for the following:
 - i. The asphalt plant dryer control system, including operating data (pressure drop and stack condition), daily upon startup and every four hours thereafter (only during times of actual operation).

- b. The Permittee shall maintain daily and monthly records of the following items:
 - i. Asphalt production (tons).
 - ii. Aggregate production (tons).
- 8. The records required by Condition 7 shall be retained at an accessible location at the plant for at least three years from the date of entry and shall be made available for inspection and copying by the Agency and USEPA upon request.
- 9. 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 Agency's Compliance Unit 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. This report should be sent to:

Illinois EPA
Bureau of Air
Compliance Unit (#39)
P.O. Box 19276
Springfield, Illinois 62794-9276

The condition that requires a source to report any exceedances does not authorize continued operation during such event.

- 10. 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.
- 11. The transportation and assembly of the asphalt or crushing plant to a new location will require a new Construction and Operating Permit for the new location. This permit must be obtained prior to reassembling the plant at the new location.
- 12. The Agency is to be notified in writing within five (5) days of any relocation of the movable processing equipment covered by this permit to another permitted location. After operating the equipment at the other permitted location, the equipment may be returned to this location.

The following special conditions are not federally enforceable:

- 13a. The Permittee shall maintain operating and maintenance logs for the dryer control system including:

- i. Maintenance activities with date and description of inspections, repairs, equipment or filter bag replacements, etc.
 - ii. Incidents of malfunction with date, duration, description, probable cause, and corrective actions.
 - b. These records shall be retained at a readily accessible location at the plant for at least three years from the date of entry and shall be made available for inspection and copying by the Agency upon request.
- 14a. The Final Report(s) for the test specified in Condition 6 shall be submitted within 180 days after the date of the test. The Final Report shall include as a minimum:
 - i. General information describing the test, including the name and identification of the emission source which was tested, date of test, names of personnel performing the tests, and Agency observers, if any;
 - ii. A summary of results;
 - iii. Description of test procedures, including description of sampling points, test equipment, and test schedule;
 - iv. Detailed description of test conditions, including:
 - A. Process information, i.e., process rate, aggregate type, fuel type, and firing rate.
 - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
 - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
- b. Submittals of information shall be made as follows:
 - i. Notices of Test - one copy each to the Source Emission Test Specialist and the Regional Office.
 - ii. Final Report - one copy each to the Source Emission Test Specialist, the Regional Office, and the Permit Section.

Illinois Environmental Protection Agency
Attn: Source Emission Test Specialist
Division of Air Pollution Control
1701 South First Avenue
Maywood, Illinois 61053

Illinois Environmental Protection Agency
Division of Air Pollution Control - Region 1
1701 South First Avenue
Maywood, Illinois 60153

15. The Permittee shall submit the following additional information with the Annual Emissions Report due May 1st of each year: asphalt production, fuel consumption, aggregate production, and total particulate matter emissions from the prior calendar year. If there have been no exceedances during the prior calendar year, the Annual Emissions Report shall include a statement to that effect.

It should be noted that Operation Permit No. 93030071 and Construction Permit No. 95030090 have been incorporated into this permit.

If you have any questions on this, please call Art G. Rusiana at 217/782-2113.

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

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cc: IEPA, FOS, Region 1
IEPA, FOS - CMU
USEPA

ATTACHMENT A - EMISSIONS SUMMARY

1. Emissions from the gas-fired drum mix asphalt plant:

<u>Throughput</u> <u>(TPY)</u>	<u>Emission</u> <u>Unit</u>	<u>Emission Rate</u> <u>(Lb/Ton)</u>	<u>Pollutant</u>	<u>Controlled</u> <u>Emissions (TPY)</u>
650,000	Dryer	0.018	PM	5.85
		0.056	CO	18.20
		0.030	NO _x	9.75
		0.0033	SO ₂	1.07
		0.051	VOM	16.58
4.92 mmBtu/hr	Gas-Fired Asphalt Heater	0.49 lb/hr	NO _x	0.96

2. Emissions from the crushing plant:

<u>Throughput</u> <u>(TPY)</u>	<u>Emission</u> <u>Unit</u>	<u>Emission Rate</u> <u>(Lb/Ton)</u>	<u>Pollutant</u>	<u>Controlled</u> <u>Emissions (TPY)</u>
400,000	Crusher	0.018	PM	3.60

3. Fugitive PM emissions from traffic roads and stockpiles: 26 TPY.

These tabulations define the potential emissions of the gas-fired drum mix asphalt and crushing plant and are based on the actual emissions determined from hourly unit capacity, emission standards if applicable, and standard emission factors.

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October 28, 1999

Orange Crush, L.L.C.
Attn: Mark Tubay
323 Center Street
Hillside, Illinois 60162

I.D. No.: 031063AHD

Dear Mr. Tubay:

Enclosed is a revised permit letter which reflects only a change of name. Please note that if you have changed or intend to change this operation it will be necessary to apply for revision of your air pollution permit(s).

If you have any questions or require any assistance concerning these matters, contact Karen Luparell at 217/782-2113.

Very truly yours,

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

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Enclosure

cc: Region 1
I.D. File
Permit File