

217/782-2113

JOINT CONSTRUCTION AND LIFETIME OPERATING PERMIT - NSPS SOURCE

PERMITTEE

Ganna Construction, Inc.
Attn: Mr. Daniel Carrig
One Pierce Place, Suite 250-C
Itasca, Illinois 60143

Application No.: 00060083

I.D. No.: 031806ABG

Applicant's Designation: YARD #210

Date Received: June 26, 2000

Subject: Asphalt Plant

Date Issued: January 22, 2001

Expiration Date: See Conditions 1 and 12

Location: 16500 New Industrial Park Drive, Unincorporated Cook County,
Lemont Township, near the City of Lemont

Permit is hereby granted to the above-designated Permittee to CONSTRUCT and OPERATE emission source(s) and/or air pollution control equipment consisting of a gas-fired, drum-mix asphalt plant with cyclone and baghouse as described in 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- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
2. This permit allows the operation of the asphalt plant only after the successful completion of the performance test as specified in Special Condition 6 of this permit.
- 3a. 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).

4. Operation and emissions of the asphalt plant shall not exceed the following limits:

<u>Pollutant</u>	<u>Asphalt Concrete Production</u>		<u>Emissions</u>	
	<u>(Ton/Month)</u>	<u>(Ton/Year)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Year)</u>
	220,000	800,000		
	<u>Emission Factor</u>		<u>Emissions</u>	
	<u>(Lb/Ton)</u>			
Particulate Matter	0.0335		3.7	13.4
Nitrogen Oxides	0.026		2.9	10.4
Carbon Monoxide	0.150		16.5	60.0
Volatile Organic Material	0.032		3.5	12.8
Sulfur Dioxide	0.0034		0.4	1.4

These limits are based on the maximum asphalt production and standard AP-42 emission factors. Particulate Matter emissions are based on the maximum allowable process emissions (0.04 gr/dscf) per NSPS standards, 40 CFR 60.92(a)(1), the maximum air flow rate through the dryer according to the asphalt plant manufacturer's data (63,301 dscf/minute), the maximum asphalt production (800,000 tons/year), and the maximum asphalt production rate (650 tons/hour). Compliance with annual limits shall be determined from a running total of 12 months of data.

- 5a. Operation shall not begin until all associated air pollution control equipment has been constructed and is operational.
- b. The Permittee shall furnish the Illinois EPA written notification as follows pursuant to 40 CFR 60.7(a):
- i. A notification of anticipated date of initial start-up at least 5 days prior to such date,
 - ii. A notification of actual date of initial start-up within 15 days after such date.
- 6a. Within 60 days after achieving the maximum production rate at which the plant will be operated but not later than 180 days after initial startup, the particulate matter concentration in its effluent stream shall be measured by an approved independent testing service. During these tests, observations to determine opacity of the effluent stream shall also be conducted.
- b. This testing shall be conducted and data collected in accordance with the test methods and procedures specified in 40 CFR 60.8, 60.11 and 60.93.
- c. At least 60 days prior to the actual date of testing, the Permittee shall submit a written test plan to the Illinois EPA for review and approval. This plan shall include as a minimum:

- i. The name (or other identification) of the emission unit(s) to be tested and the name and address of the facility at which they are located;
 - ii. The name and address of the independent testing service(s) performing the tests, with the names of the individuals who may be performing sampling and analysis and their experience with similar tests;
 - iii. The specific determinations of emissions and/or performance which are intended to be made, including the site(s) in the ductwork or stack at which sampling will occur;
 - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and minimum control performance, the values of operating parameters for the emission unit, including associated control equipment with which compliance is intended to be shown, and the means by which the operating parameters will be determined;
 - v. The procedures which will be used for testing, including the test method(s), if the method can be used with different analysis methods, the specific sampling and analytical procedures, and the calibration and other quality control procedures;
 - vi. A description and justification for any minor changes in standard testing methods and for any proposed use of an alternative test method.
- d.
 - i. The Permittee shall provide the Illinois EPA with written notification of testing at least thirty (30) days prior to testing to enable the Illinois EPA to have an observer present. This notification shall include the name of emission unit(s) to be tested, scheduled date and time, and contact person with telephone number.
 - ii. If testing is delayed, the Permittee shall promptly notify the Illinois EPA by facsimile, at least 5 days prior to the scheduled date of testing or immediately, if the delay occurs in the 5 days prior to the scheduled date. This notification shall also include the new date and time for testing, if set, or a separate notification shall be sent with this information when it is set.
 - e. The Permittee shall submit the Test Report for this testing, accompanied by a cover letter stating whether or not compliance was shown, to the Illinois EPA without delay, within 30 days after the results are compiled, but no later than sixty (60) days after the date of testing or sampling. The Test 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 Illinois EPA 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:
 1. Process information, i.e., process rate, aggregate type, fuel type, and firing rate.
 2. 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.
7. The Permittee shall maintain an operating and maintenance log for the dryer control system, including:
- a. Incidents of malfunction, with date, duration, description, probable cause, and corrective actions, pursuant to 40 CFR 60.7(b), and
 - b. Maintenance activities, with date and description of inspections, repair actions, and equipment replacements, etc.
- This log shall be available for inspection and copying by the Illinois EPA.
8. The Permittee shall maintain records of the following items:
- a. Asphalt concrete production (tons/month and tons/year)
9. The emissions of Hazardous Air Pollutants (HAP), as listed in Section 112 (b) of the Clean Air Act, shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit, pursuant to Section 112 (g) of the Clean Air Act.
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. 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
9511 West Harrison
Des Plaines, Illinois 60016

- 12a. This Permit will expire on the day operation ceases at this location if this plant is moved to a new location, or otherwise on the date specified above.
- b. The transportation and reassembly of a plant at a new location requires a new construction and operating permit pursuant to 35 Ill. Adm. Code 201.142 and 201.143. This permit must be obtained prior to reassembling the plant at the new location.
13. 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 odor nuisance.
14. These conditions effectively limit the potential emissions of air pollutants from the source to less than major source thresholds (i. e., Carbon Monoxide and Volatile Organic Materials to less than 100 and 25 tons per year, respectively). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit.
15. This facility is subject to 35 Ill. Adm. Code 212.309 and 212.310 for fugitive particulate matter. Therefore, an operating program for controlling fugitive particulate matter must be followed.
16. 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 EPA'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.

17. 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 no longer accurate.
18. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the source except when the wind speed is in excess of 25 miles per hour, pursuant to 35 Ill. Adm. Code 212.301 and 212.314.

It should be noted that the asphalt heater is exempt from state permit requirements, pursuant to 35 Il. Adm. Code 201.146 (d).

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

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

DES:JDK:psj

cc: Illinois EPA, FOS Region 1
USEPA