

217/782-2113

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

PERMITTEE

K-Five Construction Corporation
Attn: Mr. Dennis M. DeVitto, Vice President
13769 Main Street
Lemont, Illinois 60439

<u>Application No.:</u> 90020069	<u>I.D. No.:</u> 043065ABG
<u>Applicant's Designation:</u>	<u>Date Received:</u> July 3, 2000
<u>Subject:</u> Asphalt Plant	
<u>Date Issued:</u> February 23, 2001	<u>Expiration Date:</u> February 23, 2006
<u>Location:</u> 29 W 255 North Aurora Road, Naperville	

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 drum mix asphalt plant controlled by a baghouse and three asphalt storage tanks with condensers 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) and 25 tons/year for volatile organic material (VOM)). 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).

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

Asphalt Concrete Production		Pollutant	Emission Factor (Lb/Ton)	Emissions	
(Ton/Mo)	(Ton/Yr)			(Ton/Mo)	(Ton/Yr)
150,000	900,000	Carbon Monoxide (CO)	0.13	9.8	58.5
		Volatile Organic Material (VOM)	0.032	2.4	14.4
		Particulate Matter (PM)	0.033	2.5	14.9
		Nitrogen Oxides (NO _x)	0.026	2.0	11.7
		Sulfur Dioxide (SO ₂)	0.0034	0.3	1.6

These limits are based on the maximum 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 volatile organic material from three asphalt storage tanks. For this purpose, emissions from all such sources (combined) shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
4. The Permittee shall maintain monthly records of the asphalt concrete production (tons/Mo, tons/Yr).
5. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Agency. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Agency.
6. 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.
7. 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.

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. 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.
10. 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.
11. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year: asphalt production (tons/year).
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 - Regional Office
9511 West Harrison
Des Plaines, Illinois 60016

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

cc: Illinois EPA, FOS Region 1
Illinois EPA, Compliance Section
USEPA

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the asphalt batch 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. This is a production of 900,000 tons of asphalt concrete per year. The resulting maximum emissions are well below the levels, e.g., 100 tons/year for CO and 25 tons/year for VOM, 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. Operation and emissions of the asphalt plant shall not exceed the following limits:

Asphalt Concrete Production		Pollutant	Emission Factor	Emissions	
(Ton/Mo)	(Ton/Yr)		(Lb/Ton)	(Ton/Mo)	(Ton/Yr)
150,000	900,000	Carbon Monoxide (CO)	0.13	9.8	58.5
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