



Illinois Environmental Protection Agency

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CONSTRUCTION PERMIT GRANT – OPERATING PERMIT DENIAL - NSPS SOURCE

PERMITTEE

Road Production Materials, LLC
Attn: Robert Reglin – QC Manager
3610 78th Avenue West
Rock Island, Illinois 61201

Application No.: 25100013

I.D. No.: 161025AFK

Applicant's Designation: Drum-Mix Asphalt Plant

Date Received: October 7, 2025

Subject: East Moline Asphalt Plant

Date Issued: April 28, 2026

Location: 16700 20th Avenue North, Rock Island County

This permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of

One (1) 300 Tons/Hour Natural Gas-Fired Counterflow Drum-Mixer/ Dryer (125 MMBtu/hr) Asphalt Plant controlled by Baghouse with cyclone;
One (1) 2 MMBtu/hr (total) Natural Gas-Fired Asphalt Tank Heater;
Two (2) 15,000-gallon Asphalt Cement Storage Tanks;
One (1) 30,000-gallon Asphalt Cement Storage Tank;
Two (2) 150-ton Asphalt storage silos;
Two (2) Recycled asphalt storage bins;
One (1) 750 bbl. baghouse dust silo;
Three (3) Dust pods 1,000 lbs. (combined);
One (1) Aggregate Scalping Screen;
One (1) Recycle Scalping Screen;
Ten (10) Asphalt Plant conveyors:
One (1) Drag Slat conveyor;
One (1) Traverse slat conveyor;
RAP Bins;
One (1) Crusher;
Two (2) Crushing plant screens;
Four (4) Crushing plant conveyors
Fugitive Emissions from Truck Traffic on Paved and Unpaved roadways and the Loading of Storage Piles associated with the Asphalt Plant.

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 is issued based on the construction of the Drum-Mix Asphalt Plant (East Moline facility) and associated equipment not constituting a new major source or major modification pursuant to

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Title I of the Clean Air Act, specifically 35 Ill. Adm. Code Part 204, Prevention of Significant Deterioration (PSD). The source has requested that the Illinois EPA establish emission limitations and other appropriate terms and conditions in this permit that limit the emissions of Carbon Monoxide (CO), Nitrogen Oxides (NO_x) and Particulate Matter less than 10 microns (PM₁₀), from the above-listed equipment below the levels that would trigger the applicability of these rules.

- b. This permit is issued based on the construction of Drum-Mix Asphalt Plant (East Moline facility) and associated equipment not constituting a new major source or major modification pursuant to Title I of the Clean Air Act, specifically 35 Ill. Adm. Code Part 203 (Major Stationary Sources Construction and Modification). The source has requested that the Illinois EPA establish emission limitations and other appropriate terms and conditions in this permit that limit the emissions of Carbon Monoxide (CO), Nitrogen Oxides (NO_x) and Particulate Matter less than 10 microns (PM₁₀) from the above-listed equipment below the levels that would trigger the applicability of these rules.
- c. The operation of Drum-Mix Asphalt Plant and listed emission units included in this construction permit shall not begin until all associated air pollution control equipment has been constructed and is operational.
- d. The operation of the Drum-Mix Asphalt Plant and emission units listed above is allowed under this construction permit for a period of twelve (12) months starting from the date of startup of initial operation of the emission units listed above provided the Permittee completes the required emission testing in accordance with condition 22. This permit supersedes Standard Condition 6(a).
- e. Following successful completion of testing in accordance with condition 22, the Permittee may continue to operate the plant under this construction permit until the Illinois EPA takes final action on the Permittee's request for an operation permit, provided that the Permittee submits a complete operating permit application within twelve (12) months of initial startup.
- 2a. The Drum-Mix Asphalt Plant is subject to the New Source Performance Standards (NSPS) for Hot Mix Asphalt Facilities, 40 CFR 60, Subparts A and I. The Illinois EPA is administering the NSPS in Illinois on behalf of the United States Environmental Protection Agency (USEPA) under a delegation agreement. Pursuant to 40 CFR 60.90(a), the affected facility to which the provisions of 40 CFR 60 Subpart I apply is each hot mix asphalt facility. For the purpose of 40 CFR 60 Subpart I, a hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.
- b. Pursuant to 40 CFR 60.90(b), any facility under 40 CFR 60.90(a) that commences construction or modification after June 11, 1973, is subject to the requirements of 40 CFR 60 Subpart I.
- c. Pursuant to 40 CFR 60.92(a), on and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of 40 CFR 60 Subpart I shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:
 - i. Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
 - ii. Exhibit 20 percent opacity or greater.

- 3a. The Crusher, Crushing Plant Screens, and Crushing Plant Conveyors are subject to the NSPS for Non-metallic Mineral Processing Plants, 40 CFR 60 Subparts A and OOO. The Illinois EPA is administering the NSPS in Illinois on behalf of the USEPA under a delegation agreement. Pursuant to 40 CFR 60.670(a)(1), except as provided in 40 CFR 60.670(a)(2), (b), (c), and (d), the provisions of 40 CFR 60 Subpart OOO are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of 40 CFR 60 Subpart OOO.
- b. Pursuant to 40 CFR 60.672(b), affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of 40 CFR 60 Subpart OOO within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR 60.11. The requirements in Table 3 of 40 CFR 60 Subpart OOO apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.
- c. Pursuant to 40 CFR 60.670(e), an affected facility under 40 CFR 60.670(a) that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of 40 CFR Part 60.

Table 3 to Subpart OOO of Part 60 — Fugitive Emission Limits

For	The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 40 CFR 60.670 and 60.671)	The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used	The owner or operator must demonstrate compliance with these limits by conducting
Affected facilities (as defined in 40 CFR 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	10 percent opacity	15 percent opacity	An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675.
Affected facilities (as defined in 40 CFR 60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	7 percent opacity	12 percent opacity	An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675; and Periodic inspections of water sprays according to 40 CFR 60.674(b) and 40 CFR 60.676(b); and

For	The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 40 CFR 60.670 and 60.671)	The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used	The owner or operator must demonstrate compliance with these limits by conducting
			A repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 40 CFR 60.674(b) and 40 CFR 60.676(b) are exempt from this 5-year repeat testing requirement.

- d. Pursuant to 40 CFR 60.672(d), truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of 40 CFR 60.672.
- e. Pursuant to 40 CFR 60.672(e), if any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in 40 CFR 60.672(a) and (b), or the building enclosing the affected facility or facilities must comply with the following emission limits:
 - i. Fugitive emissions from any building openings (except for vents as defined in 40 CFR 60.671) must not exceed 7 percent opacity; and
 - ii. Vents (as defined in 40 CFR 60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of 40 CFR 60 Subpart OOO.
- 4a. The Drum-Mix Asphalt Plant, Asphalt Tank Heaters, Asphalt Cement Storage Tanks, Asphalt Storage Silos, Recycled Asphalt Storage Bins, Baghouse Dust Silo, Dust Pods, Aggregate Scalping Screen, Recycle Scalping Screen, Asphalt Plant Conveyors, Crushing Plant Screens, Crushing Plant Conveyors, and RAP Bins are subject to 35 Ill. Adm. Code Part 212 Subpart B (Visible Emissions). Pursuant to 35 Ill. Adm. Code 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 Ill. Adm. Code 212.122.

- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 meter (1000 foot) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.
- c. The source is subject to 35 Ill. Adm. Code Part 212 Subpart K (Fugitive Particulate Matter). Pursuant to 35 Ill. Adm. Code 212.301, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source.
- d. Pursuant to 35 Ill. Adm. Code 212.302(a), 35 Ill. Adm. Code 212.304 through 212.310 and 212.312 shall apply to all mining operations (SIC major groups 10 through 14), manufacturing operations (SIC major groups 20 through 39 except for those operations subject to 35 Ill. Adm. Code Part 212 Subpart S (Grain-Handling and Grain-Drying Operations) that are outside the areas defined in 35 Ill. Adm. Code 212.324(a)(1)), and electric generating operations (SIC group 491), which are located in the areas defined by the boundaries of the following townships, notwithstanding any political subdivisions contained therein, as the township boundaries were defined on October 1, 1979, in the following counties:

Rock Island: Blackhawk, Coal Valley, Hampton, Moline, South Moline, Rock Island, South Rock Island
- e. Pursuant to 35 Ill. Adm. Code 212.306, all normal traffic pattern access areas surrounding storage piles specified in 35 Ill. Adm. Code 212.304 and all normal traffic pattern roads and parking facilities which are located on mining or manufacturing property shall be paved or treated with water, oils or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program required by 35 Ill. Adm. Code 212.309, 212.310 and 212.312.
- f. Pursuant to 35 Ill. Adm. Code 212.307, all unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying or other equivalent methods.
- g. Pursuant to 35 Ill. Adm. Code 212.308, crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyors, bagging operations, storage bins and fine product truck and railcar loading operations shall be sprayed with water or a surfactant solution, utilize choke-feeding or be treated by an equivalent method in accordance with an operating program.
- h. The Fugitive Dust Operating Program, as submitted by the permittee pursuant to 35 Ill. Adm. Code 212.309(a) and received on December 23, 2025, is incorporated herein by reference. The emission units described in 35 Ill. Adm. Code 212.304 through 212.308 and 35 Ill. Adm. Code 212.316 shall be operated under the provisions of an operating program, consistent with the requirements set forth in 35 Ill. Adm. Code 212.310 and 212.312 and prepared by the owner or operator and submitted to the Illinois EPA for its review. Such operating program shall be designed to significantly reduce fugitive particulate matter emissions.

- i. Pursuant to 35 Ill. Adm. Code 212.310, as a minimum the operating program shall include the following:
 - i. The name and address of the source;
 - ii. The name and address of the owner or operator responsible for execution of the operating program;
 - iii. A map or diagram of the source showing approximate locations of storage piles, conveyor loading operations, normal traffic pattern access areas surrounding storage piles and all normal traffic patterns within the source;
 - iv. Location of unloading and transporting operations with pollution control equipment;
 - v. A detailed description of the best management practices utilized to achieve compliance with 35 Ill. Adm. Code Part 212 Subpart K, including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals and dust suppressants utilized and equivalent methods utilized;
 - vi. Estimated frequency of application of dust suppressants by location of materials; and
 - vii. Such other information as may be necessary to facilitate the Illinois EPA's review of the operating program.
- j. Pursuant to 35 Ill. Adm. Code 212.312, the operating program required pursuant to Condition 4(i) shall be amended from time to time by the owner or operator so that the operating program is current. Such amendments shall be consistent with 35 Ill. Adm. Code Part 212 Subpart K and shall be submitted to the Illinois EPA for its review.
- k. The Drum-Mix Asphalt Plant, Asphalt Tank Heaters, Asphalt Storage Silos, Recycled Asphalt Storage Bins, Baghouse Dust Silo, Aggregate Scalping Screen, Recycle Scalping Screen, Asphalt Plant Conveyors, Crushers, Crushing Plant Screens, Crushing Plant Conveyors, and RAP Bins are subject to 35 Ill. Adm. Code Part 212 Subpart L (Particulate Matter Emissions from Process Emission Units). Pursuant to 35 Ill. Adm. Code 212.321(a), except as further provided in 35 Ill. Adm. Code Part 212, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 Ill. Adm. Code 212.321(c).
- l. Pursuant to 35 Ill. Adm. Code 212.321(b), interpolated and extrapolated values of the data in 35 Ill. Adm. Code 212.321(c) shall be determined by using the equation:

$$E = A(P)^B$$

where:

P = Process weight rate; and
E = Allowable emission rate; and,

- i. Up to process weight rates of 408 Mg/hr (450 T/hr):

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	1.214	2.54
B	0.534	0.534

- ii. For process weight rate greater than or equal to 408 Mg/hr (450 T/hr):

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lbs/hr
A	11.42	24.8
B	0.16	0.16

- m. Pursuant to 35 Ill. Adm. Code 212.321(c), Limits for Process Emission Units For Which Construction of Modification Commenced On or After April 14, 1972:

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lbs/hr
0.05	0.25	0.05	0.55
0.1	0.29	0.10	0.77
0.2	0.42	0.20	1.10
0.3	0.64	0.30	1.35
0.4	0.74	0.40	1.58
0.5	0.84	0.50	1.75
0.7	1.00	0.75	2.40
0.9	1.15	1.00	2.60
1.8	1.66	2.00	3.70
2.7	2.1	3.00	4.60
3.6	2.4	4.00	5.35
4.5	2.7	5.00	6.00
9.	3.9	10.00	8.70
13.	4.8	15.00	10.80
18.	5.7	20.00	12.50
23.	6.5	25.00	14.00
27.	7.1	30.00	15.60
32.	7.7	35.00	17.00
36.	8.2	40.00	18.20
41.	8.8	45.00	19.20
45.	9.3	50.00	20.50
90.	13.4	100.00	29.50
140.	17.0	150.00	37.00
180.	19.4	200.00	43.00
230.	22.	250.00	48.50
270.	24.	300.00	53.00
320.	26.	350.00	58.00

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lbs/hr
360.	28.	400.00	62.00
408.	30.1	450.00	66.00
454.	30.4	500.00	67.00

where:

P = Process weight rate in metric or T/hr, and

E = Allowable emission rate in kg/hr or lbs/hr.

5. The Drum-Mix Asphalt Plant is subject to 35 Ill. Adm. Code Part 214 Subpart K Process Emission Sources). Pursuant to 35 Ill. Adm. Code 214.301, except as further provided by 35 Ill. Adm. Code Part 214, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2000 ppm.
- 6a. The Asphalt Cement Storage tanks are subject to 35 Ill. Adm. Code Part 215 Subpart B (Organic Emissions from Storage and Loading Operations). Pursuant to 35 Ill. Adm. Code 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201, or unless such tank is a pressure tank as described in 35 Ill. Adm. Code 215.121(a) or is fitted with a recovery system as described in 35 Ill. Adm. Code 215.121(b)(2).
- b. The Drum Mixer/ Dryer is subject to 35 Ill. Adm. Code Part 215 Subpart K (Use of Organic Material). Pursuant to 35 Ill. Adm. Code 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8.0 lbs/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 Ill. Adm. Code 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 Ill. Adm. Code Part 215 Subpart K (Use of Organic Material) shall only apply to photochemically reactive material.
7. This permit is issued based on the Asphalt Cement Storage tanks not being subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which construction, reconstruction, or modification commenced after July 23, 1984, 40 CFR 60 Subpart Kb. Pursuant to 40 CFR 60.110b(b), the provisions of 40 CFR 60 Subpart Kb do not apply to storage vessels with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
8. This permit is issued based on the Asphalt Storage Silos, Aggregate Scalping Screen, Recycle Scalping Screen, Drag Slat conveyor, Traverse slat conveyor and Asphalt plant conveyors at this source not being subject to 40 CFR 60 Subpart OOO. Pursuant to 40 CFR 60.670(b), an affected facility that is subject to the provisions of 40 CFR 60 Subparts F (Portland Cement Plants) or I (Hot Mix Asphalt Facilities) or that follows in the plant process any facility subject to the provisions of 40 CFR 60 Subparts F or I is not subject to the provisions of 40 CFR 60 Subpart OOO.

9. This permit is issued based on the Asphalt Tank Heater at this source not being subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63 Subpart JJJJJ because the asphalt tank heater is not an enclosed device using controlled flame combustion in which water is heated to recover thermal energy in the form of steam and/ or hot water.
10. This permit is issued based on the Drum Mixer/Dryer, and Asphalt Tank Heater not being subject to 35 Ill. Adm. Code 216 Subpart B (Fuel Combustion Emission Sources). Pursuant to 35 Ill. Adm. Code 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 MMBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air. The Drum Mixer/Dryer is exempt on the basis that it does not satisfy the definition of fuel combustion emission sources. The Asphalt Tank Heater is exempt on the basis that it has actual heat input less than 10 MMBtu/hr.
11. Pursuant to 35 Ill. Adm. Code 212.314, 35 Ill. Adm. Code 212.301 shall not apply and spraying pursuant to 35 Ill. Adm. Code 212.304 through 212.310 and 35 Ill. Adm. Code 212.312 shall not be required when the wind speed is greater than 40.2 km/hour (25 mph). Determination of wind speed for the purposes of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of on-site wind speed instrument measurements.
12. Pursuant to 35 Ill. Adm. Code 215.122(c), if no odor nuisance exists the limitations of 35 Ill. Adm. Code 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).
- 13a. Pursuant to 40 CFR 60.11(b), compliance with opacity standards in 40 CFR Part 60 shall be determined by conducting observations in accordance with Method 9 in Appendix A of 40 CFR Part 60, any alternative method that is approved by the Illinois EPA or USEPA, or as provided in 40 CFR 60.11(e)(5). For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30, 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).
- b. Pursuant to 40 CFR 60.11(c), the opacity standards set forth in 40 CFR Part 60 shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.
- c. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA or USEPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
- 14a. 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.

- b. The baghouse with cyclone shall be in operation at all times when the associated drum dryer or dust silo is in operation and emitting air contaminants.
- c. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the equipment in this permit such that the equipment are kept in proper working condition and does not cause a violation of the Illinois Environmental Protection Act or regulations promulgated therein.
- d. The Drum Mix Asphalt Plant and Asphalt Tank Heater shall only be operated with natural gas as the fuel. The use of any other fuel in the Drum Mix Asphalt Plant or the Asphalt Tank Heater at this source may require that the Permittee first obtain a construction permit from the Illinois EPA and perform stack testing to verify compliance with all applicable requirements.
- e. The surface moisture content of the aggregate to be processed in the Crusher, Crushing Plant Screens, and Crushing Plant Conveyors associated with the Drum Mix Asphalt Plant shall be at least 1.5% by weight. The Permittee shall show compliance with this requirement as follows:
 - i. Water sprays shall be used on the emission units associated with the Crusher, Crushing Plant Screens, Crushing Plant Conveyors, and stockpiles, etc. as necessary, except when weather conditions are below or expected to fall below freezing temperatures, to produce a moisture content of 1.5% by weight or higher to reduce particulate matter emissions; or
 - ii. Demonstrate compliance with Condition 14(e) by following the testing requirements of Condition 24(b).
- f. Organic liquid by-products or waste materials shall not be used in the Drum-Mix Asphalt plant without written approval from the Illinois EPA.
- g. The Illinois EPA shall be allowed to sample all fuels stored at the above location.
- 15a. Emissions from and operation of the Drum-Mix Asphalt plant shall not exceed the following limits:

- i. Asphalt Production Limits:

Asphalt Concrete Production Rate		
(Tons/Hour)	(Tons/Month)	(Tons/Year)
300	60,000	150,000

- ii. Emissions from Drum Mixer/Dryer:

Pollutant	Emission Rate	Emissions	
	(lbs/Ton)	(Tons/Mo)	(Tons/Yr)
Carbon Monoxide (CO)	0.130	3.90	9.75
Nitrogen Oxides (NO _x)	0.026	0.78	1.95
Particulate Matter (PM)	0.033	0.99	2.48
Particulate Matter (PM ₁₀ / PM _{2.5})	0.023	0.69	1.73
Sulfur Dioxide (SO ₂)	0.003	0.10	0.26
Volatile Organic Material (VOM)	0.032	0.96	2.40

iii. Emissions from Silo Filling:

<u>Pollutant</u>	<u>Emission Factor</u> <u>(lb/Ton)</u>	<u>Emissions</u>	
		<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
CO	0.002	0.05	0.14
PM	0.001	0.02	0.04
PM ₁₀ / PM _{2.5}	0.001	0.02	0.04
VOM	0.012	0.37	0.92

iv. Emissions from Truck Loadout:

<u>Pollutant</u>	<u>Emission Factor</u> <u>(lb/Ton)</u>	<u>Emissions</u>	
		<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
CO	0.001	0.04	0.10
PM	0.001	0.02	0.04
PM ₁₀ / PM _{2.5}	0.001	0.02	0.04
VOM	0.004	0.12	0.31

These limits are based on the maximum asphalt production and standard emission factors (Tables 11.1-3, 11.1-7, 11.1-8, and 11.1-14, AP-42, Volume I, Fifth Edition, Update 2004, April 2004).

- b. Emissions and operation of the Asphalt Tank Heater burning natural gas shall not exceed the following limits:

<u>Pollutant</u>	<u>Emission Rate</u> <u>(lbs/10⁶ scf)</u>	<u>Emissions</u>	
		<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
CO	84	0.047	0.47
NO _x	100	0.057	0.57
PM	7.6	0.004	0.04
PM ₁₀ / PM _{2.5}	7.6	0.004	0.04
SO ₂	0.6	0.0003	0.003
VOM	5.5	0.003	0.03

These limits are based on the maximum firing rate of the asphalt tank heater (2.0 MMBtu/hour), a heat content of 1,038 Btu/scf for natural gas, 5,869 hours/ year of operation, and standard AP-42 emission factors (Tables 1.4-1, and 1.4-2, AP-42, Volume I, Fifth Edition, Supplement D, July 1998).

- c. This permit is issued based on negligible emissions of VOM from the three asphalt cement storage tanks. For this purpose, VOM emissions from each tank shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year total.
- d. Emissions and operation of the Drum-Mix Asphalt plant aggregate material handling units shall not exceed the following limits:

i. Total aggregate:

Material Throughput	
(Tons/Month)	(Tons/Year)
39,000	97,500

ii. Particulate Matter Emissions from the screening and conveyor units:

Equipment	Emission Factor	PM Emissions	
	(lbs/Ton)	(Tons/Month)	(Tons/Year)
2 Screens	0.0022	0.09	0.21
10 Conveyors	0.00014	<u>0.03</u>	<u>0.07</u>
	Totals	0.12	0.28

Equipment	Emission Factor	PM ₁₀ / PM _{2.5} Emissions	
	(lbs/Ton)	(Tons/Month)	(Tons/Year)
2 Screens	0.00074	0.029	0.07
10 Conveyors	0.000046	<u>0.009</u>	<u>0.02</u>
	Totals	0.038	0.09

The aggregate handling limits are based on 65 percent maximum asphalt concrete production used (60,000 ton/mo and 150,000 ton/yr, x 65%), and emission factors from AP-42, Chapter 11.19.2-2 for Crushed Stone Processing and Pulverized Mineral Processing, Fifth Edition, Volume I, 2004 Update, August 2004).

- e. Emissions from and operation of the crusher, crusher screens and conveyors shall not exceed the following limits:

Item of	Material Throughput			PM Emissions			PM ₁₀ / PM _{2.5} Emissions	
	(Ton/Mo)	(Ton/Yr)	(lb/Ton)	(Ton/Mo)	(Tons/Yr)	(lb/Ton)	(Ton/Mo)	(Tons/Yr)
Equipment								
1 Crusher	15,000	90,000	0.0012	0.009	0.054	0.00054	0.004	0.024
2 Screens	15,000	90,000	0.0022	0.033	0.198	0.00074	0.011	0.067
4 Conveyors	15,000	90,000	0.00014	0.004	0.025	0.000046	0.001	0.008
Total				0.046	0.277		0.016	0.099

These limits are based on maximum aggregate throughput and standard, controlled emission factors (Table 11.19.2-2, AP 42, Fifth Edition, Volume I, Update 2004, August 2004 and Section 13.2.4, AP-42, Volume I, Fifth Edition, November 2006).

f. Emission from Unpaved Road and Unpaved parking fugitive Emissions:

Unpaved Roads	Vehicle Miles Traveled (VMT)	Calculated EF (lb/ VMT)	Emissions (Ton/Month)	Emissions (TPY)
PM	3,465	8.35	0.47	4.70
PM ₁₀ / PM _{2.5}	3,465	2.26	0.13	1.27

These limits are based on standard emission estimation formula (Equation 1 from Section 13.2.2 of AP-42, Volume I, Fifth Edition, January 2011). Control factors are based on WRAP Fugitive Dust Handbook, September 2006 (44% for speed limited at 25 mph and 42% control factor for water application).

- g. Compliance with annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12-month total).
16. This permit is issued based on the Potential to Emit (PTE) for Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act from the source being less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result, 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.
- 17a. Pursuant to 40 CFR 60.8(a), within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Illinois EPA or USEPA under section 114 of the Clean Air Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Illinois EPA or USEPA a written report of the results of such performance test(s).
- b. Pursuant to 40 CFR 60.8(b), performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart of 40 CFR Part 60 unless the Illinois EPA or USEPA:
- i. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
 - ii. Approves the use of an equivalent method;
 - iii. Approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance;
 - iv. Waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Illinois EPA's or USEPA's satisfaction that the affected facility is in compliance with the standard; or
 - v. Approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate

the Illinois EPA's or USEPA's authority to require testing under section 114 of the Clean Air Act.

- c. Pursuant to 40 CFR 60.8(c), performance tests shall be conducted under such conditions as the Illinois EPA or USEPA shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Illinois EPA or USEPA such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.
- d. Pursuant to 40 CFR 60.8(d), the owner or operator of an affected facility shall provide the Illinois EPA or USEPA at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Illinois EPA or USEPA the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Illinois EPA or USEPA as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Illinois EPA or USEPA by mutual agreement.
- e. Pursuant to 40 CFR 60.8(e), the owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:
 - i. Sampling ports adequate for test methods applicable to such facility. This includes:
 - A. Constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test 1 methods and procedures; and
 - B. Providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.
 - ii. Safe sampling platform(s).
 - iii. Safe access to sampling platform(s).
 - iv. Utilities for sampling and testing equipment.
- f. Pursuant to 40 CFR 60.8(f), unless otherwise specified in the applicable subpart of 40 CFR Part 60, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard under 40 CFR Part 60. For the purpose of determining compliance with an applicable standard under 40 CFR Part 60, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Illinois EPA's or USEPA's approval, be determined using the arithmetic mean of the results of the two other runs.

- g. Pursuant to 40 CFR 60.11(e)(1), for the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR 60.8 unless one of the following conditions apply. If no performance test under 40 CFR 60.8 is required, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. If visibility or other conditions prevent the opacity observations from being conducted concurrently with the initial performance test required under 40 CFR 60.8, the source owner or operator shall reschedule the opacity observations as soon after the initial performance test as possible, but not later than 30 days thereafter, and shall advise the Illinois EPA or USEPA of the rescheduled date. In these cases, the 30-day prior notification to the Illinois EPA or USEPA required in 40 CFR 60.7(a)(6) shall be waived. The rescheduled opacity observations shall be conducted (to the extent possible) under the same operating conditions that existed during the initial performance test conducted under 40 CFR 60.8. The visible emissions observer shall determine whether visibility or other conditions prevent the opacity observations from being made concurrently with the initial performance test in accordance with procedures contained in Method 9 of appendix B of 40 CFR Part 60. Opacity readings of portions of plumes which contain condensed, uncombined water vapor shall not be used for purposes of determining compliance with opacity standards. The owner or operator of an affected facility shall make available, upon request by the Illinois EPA or USEPA, such records as may be necessary to determine the conditions under which the visual observations were made and shall provide evidence indicating proof of current visible observer emission certification. Except as provided in 40 CFR 60.11(e)(5), the results of continuous monitoring by transmissometer which indicate that the opacity at the time visual observations were made was not in excess of the standard are probative but not conclusive evidence of the actual opacity of an emission, provided that the source shall meet the burden of proving that the instrument used meets (at the time of the alleged violation) Performance Specification 1 in appendix B of 40 CFR Part 60, has been properly maintained and (at the time of the alleged violation) that the resulting data have not been altered in any way.
- h. Pursuant to 40 CFR 60.11(e)(2), except as provided in 40 CFR 60.119(e)(3), the owner or operator of an affected facility to which an opacity standard in 40 CFR Part 60 applies shall conduct opacity observations in accordance with 40 CFR 60.11(b), shall record the opacity of emissions, and shall report to the Illinois EPA or USEPA the opacity results along with the results of the initial performance test required under 40 CFR 60.8. The inability of an owner or operator to secure a visible emissions observer shall not be considered a reason for not conducting the opacity observations concurrent with the initial performance test.
- 18a. Pursuant to 40 CFR 60.93(a), in conducting the performance tests required in 40 CFR 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of 40 CFR Part 60 or other methods and procedures as specified in 40 CFR 60.93, except as provided in 40 CFR 60.8(b).
- b. Pursuant to 40 CFR 60.93(b), the owner or operator shall determine compliance with the particulate matter standards in 40 CFR 60.92 as follows:

 - i. Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
 - ii. Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.

- 19a. Pursuant to 40 CFR 60.675(a), in conducting the performance tests required in 40 CFR 60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendices A-1 through A-7 of 40 CFR Part 60 or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b). Acceptable alternative methods and procedures are given in 40 CFR 60.675(e).
- b. i. Pursuant to 40 CFR 60.675(c)(1), in determining compliance with the particulate matter standards in 40 CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of 40 CFR Part 60 and the procedures in 40 CFR 60.11, with the following additions:
- A. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - B. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of 40 CFR Part 60, Section 2.1) must be followed.
 - C. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- ii. Pursuant to 40 CFR 60.675(c)(3), when determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1), the duration of the Method 9 (40 CFR Part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 must be based on the average of the five 6-minute averages.
- c. Pursuant to 40 CFR 60.675(e), the owner or operator may use the following as alternatives to the reference methods and procedures specified in 40 CFR 60.675:
- i. For the method and procedure of 40 CFR 60.675(c), if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
 - A. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
 - B. Separate the emissions so that the opacity of emissions from each affected facility can be read.
 - ii. A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:
 - A. No more than three emission points may be read concurrently.

- B. All three emission points must be within a 70-degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.
 - C. If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.
 - d. Pursuant to 40 CFR 60.675(g), for performance tests involving only Method 9 (40 CFR Part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification.
 - e. Pursuant to 40 CFR 60.675(i), if the initial performance test date for an affected facility falls during a seasonal shut down (as defined in 40 CFR 60.671) of the affected facility, then with approval from the Illinois EPA, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.
- 20a. Pursuant to 35 Ill. Adm. Code 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
- i. **Testing by Owner or Operator.** The Illinois EPA may require the owner or operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the Illinois EPA, at such reasonable times as may be specified by the Illinois EPA and at the expense of the owner or operator of the emission source or air pollution control equipment. The Illinois EPA may adopt procedures detailing methods of testing and formats for reporting results of testing. Such procedures and revisions thereto, shall not become effective until filed with the Secretary of State, as required by the APA Act. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The Illinois EPA shall have the right to observe all aspects of such tests.
 - ii. **Testing by the Illinois EPA.** The Illinois EPA shall have the right to conduct such tests at any time at its own expense. Upon request of the Illinois EPA, the owner or operator of the emission source or air pollution control equipment shall provide, without charge to the Illinois EPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.
- b. Testing required by Conditions 21 and 22 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.
- 21a. Pursuant to 35 Ill. Adm. Code 212.107, for both fugitive and non-fugitive particulate matter emissions, a determination as to the presence or absence of visible emissions from emission units shall be conducted in accordance with Method 22, 40 CFR Part 60, Appendix A, except that the length of the observing period shall be at the discretion of the observer, but not less than one minute. 35 Ill. Adm. Code Part 212 Subpart A shall not apply to 35 Ill. Adm. Code 212.301.

- b. Pursuant to 35 Ill. Adm. Code 212.109, except as otherwise provided in 35 Ill. Adm. Code Part 212, and except for the methods of data reduction when applied to 35 Ill. Adm. Code 212.122 and 212.123, measurements of opacity shall be conducted in accordance with Method 9, 40 CFR Part 60, Appendix A, and the procedures in 40 CFR 60.675(c) and (d), if applicable, except that for roadways and parking areas the number of readings required for each vehicle pass will be three taken at 5-second intervals. The first reading shall be at the point of maximum opacity and second and third readings shall be made at the same point, the observer standing at right angles to the plume at least 15 feet away from the plume and observing 4 feet above the surface of the roadway or parking area. After four vehicles have passed, the 12 readings will be averaged.
 - c. Pursuant to 35 Ill. Adm. Code 212.110(a), measurement of particulate matter emissions from stationary emission units subject to 35 Ill. Adm. Code Part 212 shall be conducted in accordance with 40 CFR Part 60, Appendix A, Methods 5, 5A, 5D, or 5E.
 - d. Pursuant to 35 Ill. Adm. Code 212.110(b), the volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, and 4.
 - e. Pursuant to 35 Ill. Adm. Code 212.110(c), upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA.
- 22a. Within 60 days after achieving the maximum production rate at which the Drum Mix Asphalt Plant, Crusher, Screener and Conveyor will be operated, but not later than 180 days after startup of the facility, the PM emissions and opacity of the drum-mix asphalt plant and opacity from the crusher, screener, and conveyor shall be measured during conditions which are representative of maximum emissions. These tests shall determine compliance with 40 CFR 60.92(a) and 60.672.
- b. The following methods and procedures shall be used for testing of emissions, unless another method is approved by the Illinois EPA: Refer to 40 CFR 60, Appendix A, and 40 CFR 61, Appendix B, for USEPA test methods.

Sample and Velocity Traverses for Stationary Sources	USEPA Method 1
Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)	USEPA Method 2
Gas Analysis for the Determination of Dry Molecular Weight	USEPA Method 3
Determination of Moisture Content in Stack Gases	USEPA Method 4
Determination of Particulate Matter Emissions from Stationary Sources	USEPA Method 5
Determination of Sulfur Dioxide from Stationary Sources	USEPA Method 6
Determination of Sulfur Dioxide Emissions from Stationary Sources (Instrumental Analyzer Procedure).	USEPA Method 6C
Determination of Nitrogen Dioxide Emissions from Stationary Sources	USEPA Method 7
Visual Determination of the Opacity of Emissions from Stationary Sources	USEPA Method 9
Determination of Carbon Monoxide Emissions from Stationary Sources	USEPA Method 10B
Visual Determination of Fugitive Emissions from Material Sources	USEPA Method 22
Determination of PM ₁₀ and PM _{2.5} Emissions from Stationary Sources (Constant Sampling Rate Procedure)	USEPA Method 201A*

Determination of Condensable Particulate Matter from Stationary Sources

USEPA Method 202**

- * Method 5 may be used in lieu of Method 201A if all filterable PM is assumed to be filterable PM₁₀/PM_{2.5}
- ** Condensable PM is required to be included when determining PM₁₀ emissions in accordance with USEPA Method 202 (40 CFR Part 51, Appendix M) or other established test method approved by the Illinois EPA.

- c. At least 30 days prior to the actual date of testing, the Permittee shall submit a written test plan to the Illinois EPA, Bureau of Air Compliance Section. 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 the maximum emissions, maximum operating rate, minimum control performance, the levels of operating parameters for the emission unit, including associated control equipment, at or within which compliance is intended to be shown, and the means by which the operating parameters will be determined;
 - v. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods. The specific sampling, analytical and quality control procedures which will be used, with an identification of the standard methods upon which they are based;
 - vi. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification;
 - vii. Any proposed use of an alternative test method, with detailed justification; and
 - viii. The format and content of the Source Test Report.
- d. 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.
- e. If testing is delayed, the Permittee shall promptly notify the Illinois EPA by email or facsimile, at least five (5) days prior to the scheduled date of testing or immediately, if the delay occurs in the five (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.

- f. The Permittee shall submit the Final Source Test Report(s) for these tests accompanied by a cover letter stating whether or not compliance was shown to the Illinois EPA without delay, within thirty (30) days after the test results are compiled, but no later than sixty (60) days after the date of testing or sampling. The Final Source Test Report shall include as a minimum:
 - i. General information describing the test, including the name and identification of the mission source which was tested, date of testing, names of personnel performing the tests, and Illinois EPA observers, if any;
 - ii. A summary of results;
 - iii. Description of test procedures and method(s), including description and map of emission units and sampling points, sampling train, testing and analysis equipment, and test schedule;
 - iv. Detailed description of test conditions, including:
 - A. List and description of the equipment (including serial numbers or other equipment specific identifiers) tested and process information (i.e., mode(s) of operation, process rate/throughput, fuel or raw material consumption rate, and heat content of the fuels);
 - B. Control equipment information (i.e., equipment condition and operating parameters) during testing; and
 - C. A discussion of any preparatory actions taken (i.e., inspections, maintenance and repair).
 - v. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration. Identification of the applicable regulatory standards and permit conditions that the testing was performed to demonstrate compliance with, a comparison of the test results to the applicable regulatory standards and permit conditions, and a statement whether the test(s) demonstrated compliance with the applicable standards and permit conditions;
 - vi. An explanation of any discrepancies among individual tests, failed tests or anomalous data;
 - vii. The results and discussion of all quality control evaluation data, including a copy of all quality control data; and
 - viii. The applicable operating parameters of the pollution control device(s) during testing (temperature, pressure drop, scrubbing flow rate, etc.), if any.
- g. Satisfactory completion of this test so as to demonstrate compliance with applicable emission standards is a prerequisite to issuance of an operating permit, pursuant to 35 Ill. Adm. Code 201.160(b).

- 23a. Pursuant to 40 CFR 60.674(b), the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b).
- i. If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3 of 40 CFR 60 Subpart OOO provided that the affected facility meets the criteria in 40 CFR 60.674(b)(1)(i) and (ii):
 - A. The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to 40 CFR 60.674(b) and 40 CFR 60.676(b), and
 - B. The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under 40 CFR 60.11 and 40 CFR 60.675.
 - ii. If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 40 CFR 60.676(b) must specify the control mechanism being used instead of the water sprays.
- 24a. Inspections of the affected drum-mix asphalt plant and control systems equipment and operations shall be performed as necessary but at least once per week when the affected drum-mix asphalt plant is in operation to confirm compliance with the requirements of this permit.
- b. The moisture content of a representative sample of the aggregate processed in the crushing plant associated with the drum-mix asphalt plant shall be measured at least once per week using ASTM Procedures (C566-97) for total moisture content of material.
 - c. The water supply to the spray equipment shall be equipped with a metering device used to determine water usage for the control of particulate matter emissions.
 - d. Inspections of water spray equipment and operation (such as leaking, maintaining adequate flow, clogging of flow lines, etc.) shall be performed at least once per week when the crushing plant associated with the affected drum-mix asphalt plant is in operation.
- 25a. Pursuant to 40 CFR 60.7(b), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

- b. Pursuant to 40 CFR 60.7(f), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records, except as follows:

The Illinois EPA or USEPA, upon notification to the source, may require the owner or operator to maintain all measurements as required by 40 CFR 60.7(f), if the Illinois EPA or USEPA determines these records are required to more accurately assess the compliance status of the affected source.

- 26. Pursuant to 40 CFR 60.676(b)(1), owners or operators of affected facilities (as defined in 40 CFR 60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under 40 CFR 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Illinois EPA or USEPA upon request.
- 27. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.
- 28. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- 29. Pursuant to 35 Ill. Adm. Code 214.122(b)(2)(c), on and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:

The owner or operator must:

- i. Maintain records demonstrating that the fuel oil used by the fuel combustion emission source complies with the requirements in 35 Ill. Adm. Code 214.122(b)(2)(A) and (b)(2)(B), such as records from the fuel supplier indicating the sulfur content of the fuel oil; and
 - ii. Retain the records for at least 5 years, and provide copies of the records to the Illinois EPA within 30 days after receipt of a request by the Illinois EPA.
- 30a. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
- i. Records addressing use of good operating practices for the drum-mix asphalt plant including the dryer baghouse:
 - A. Operating logs for the drum-mix asphalt plant baghouse, including operating data (pressure drop or stack condition), daily upon startup;
 - B. Records for periodic inspection of the baghouse with date, individual performing the inspection, and nature of inspection; and
 - C. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
 - ii. The Permittee shall keep a copy of the Fugitive Particulate Operating Program, any amendments or revisions to the Fugitive Particulate Operating Program, and the Permittee shall also keep a record of activities completed according to the Fugitive Particulate Operating Program.
 - iii. Asphalt concrete production (tons/month and tons/year);
 - iv. Natural gas usage (mmscf/ month and mmscf/year);
 - v. Liquid Asphalt cement throughput of the three storage tanks (gallons/ month and gallons/year);
 - vi. Reclaimed Asphalt Pavement (RAP) throughput (tons/month and tons/year)
 - vii. Monthly and annual CO, NO_x, PM, SO₂, and VOM emissions from the source with supporting calculations (tons/ month and tons/year).
- b. All records and logs required by Condition 30(a) of this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer storage device) 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 or USEPA request for records during the course of a source inspection.
31. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such

notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.

32. Pursuant to 40 CFR 60.7(a)(4), any owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Illinois EPA or USEPA written notification or, if acceptable to both the Illinois EPA and USEPA and the owner or operator of a source, electronic notification, as follows:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Illinois EPA or USEPA may request additional relevant information subsequent to this notice.

- 33a. Pursuant to 35 Ill. Adm. Code 214.122(b)(2)(C)(iii), on and after January 1, 2017, the owner or operator of a new fuel combustion emission source with actual heat input smaller than, or equal to, 73.2 MW (250 mmBtu/hr), burning liquid fuel exclusively, must comply with the following:

The owner or operator must notify the Illinois EPA within 30 days after discovery of deviations from any of the requirements in this 35 Ill. Adm. Code 214.122(b)(2). At minimum, and in addition to any permitting obligations, the notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

- b. Pursuant to 35 Ill. Adm. Code 214.305(a)(3)(C), except as provided in 35 Ill. Adm. Code 214.305(b), (c), and (d), on and after January 1, 2017, the owner or operator of a process emission source must comply with the following:

The owner or operator must notify the Illinois EPA within 30 days after discovery of deviations from any of the requirements in this 35 Ill. Adm. Code 214.305(a). At minimum, and in addition to any permitting obligations, such notification must include a description of the deviations, a discussion of the possible cause of the deviations, any corrective actions taken, and any preventative measures taken.

34. The Permittee shall submit a written notification to the Illinois EPA, Bureau of Air, Compliance Section Manager, of the initial startup of the Drum Mix Asphalt plant within thirty (30) calendar days of initial start-up.

- 35a. If there is an exceedance of or deviation from the requirements of this permit as determined by the records required by this permit or otherwise, the Permittee shall submit a report to the Illinois EPA's Bureau of Air Compliance Section in Springfield, Illinois within 30 days after the exceedance or deviation. The report shall identify the duration and the emissions impact of the exceedance or deviation, a copy of the relevant records and information to resolve the exceedance or deviation, and a description of the efforts to reduce emissions from, and the duration of exceedance or deviation, and to prevent future occurrences of any such exceedance or deviation.

b. One (1) copy of required reports and notifications shall be sent to:

i. Via mail or overnight delivery to:

Via USPS:

Illinois EPA, Bureau of Air
Compliance Section (MC 40)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Via Other Means:

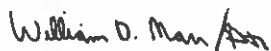
Illinois EPA, Bureau of Air
Compliance Section (MC 40)
2520 West Iles Ave
Springfield, IL 62704

ii. In addition, a copy of notifications and reports required by this permit that concern emission testing and monitoring shall also be sent electronically to the Illinois EPA Request File Upload (<http://epa-smu-file-request.illinois.gov/>). If you are unable to use the Request File Upload, you may email the electronic version to EPA.BOA.SMU@Illinois.gov. The Permittee shall include the facility's ID Number on all correspondence.

It should be noted that one (1) 800-gallon diesel fuel tank is exempt from state permitting requirements, pursuant to 35 Ill. Adm. Code 201.146(n)(3).

It should be further noted that this permit does not authorize the acceptance of waste. The appropriate permit must be obtained from the Bureau of Land before waste can be accepted. If the used oil is not "on-spec" and not burned in a unit for energy recovery as allowed by 35 Ill. Adm. Code 739.161, the used oil will be considered a solid waste and not a fuel. This makes the used oil subject to the manifest requirements of 35 Ill. Adm. Code 809 and the facility subject to the permitting requirements of 35 Ill. Adm. Code 807, as a solid waste management site. Furthermore, the used oil must provide surplus energy beyond the necessary to sustain combustion to be considered a fuel and not a waste.

If you have any questions on this permit, please call Pinto Veliyath at 217/785-1705.



William D. Marr
Manager, Permit Section
Bureau of Air

WDM:PTV:tan



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) authorizes the Environmental Protection Agency to impose conditions on permits which it issues.

The following conditions are applicable unless superseded by special condition(s).

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year from the date of issuance, unless a continuous program of construction or development on this project has started by such time.
2. The construction or development covered by this permit shall be done in compliance with applicable provisions of the Illinois Environmental Protection Act, and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The Permittee shall allow any duly authorized agent of the Agency upon the presentation of credentials, at reasonable times:
 - a. to enter the Permittee's property where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit,
 - b. to have access to and copy any records required to be kept under the terms and conditions of this permit,
 - c. to inspect, including during any hours of operation of equipment constructed or operated under this permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this permit,
 - d. to obtain and remove samples of any discharge or emission of pollutants, and
 - e. to enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
 - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located,
 - b. does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities,
 - c. does not release the Permittee from compliance with the other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations,

- d. does not take into consideration or attest to the structural stability of any units or parts of the project, and
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. a. Unless a joint construction/operation permit has been issued, a permit for operation shall be obtained from the Agency before the equipment covered by this permit is placed into operation.
- b. For purposes of shakedown and testing, unless otherwise specified by a special permit condition, the equipment covered under this permit may be operated for a period not to exceed thirty (30) days.
7. The Agency may file a complaint with the Board for modification, suspension or revocation of a permit:
- a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed, or
 - b. upon finding that any standard or special conditions have been violated, or
 - c. upon any violations of the Environmental Protection Act or any regulation effective thereunder as a result of the construction or development authorized by this permit.

