

217/782-2113

AUTHORIZATION TO OPERATE
UNDER A GENERAL PERMIT

PERMITTEE

Hanson Material Service - Yard 41
Attn: Gary O'Toole
4226 South Lawndale Avenue
Lyons, Illinois 60534

General Permit No.: G1400F
Application No.: 72120516 I.D. No.: 031309AAH
Applicant's Designation: Date Received: February 16, 2008
Type of Source: Very Large Aggregate Processing Plant
Date Issued: April 2, 2008 Expiration Date: April 2, 2013
Source Location: 322 South Williams Street, Cook County, 60476

Authorization is hereby granted to the above-designated Permittee to operate the above source, consisting of an aggregate processing plant comprised of up to thirty-five (35) crushers, up to sixty (60) screens, and up to 400 conveyors, bins, silos and feeders with associated transfer points under a General Permit for a very large aggregate processing plant, pursuant to the above-referenced application.

If you have any questions regarding this authorization, please contact a permit engineer at 217/782-2113.

Edwin C. Bakowski, P.E.
Acting Manager, Permit Section
Division of Air Pollution Control

Date Signed: _____

ECB:RWB:psj

cc: Region 1

217/782-2113

**GENERAL FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
FOR LARGE AGGREGATE PROCESSING PLANT -- NSPS SOURCE**

Permit No.: G1400F
Subject: Very Large Aggregate Processing Plant
Expiration Date: April 2, 2013

This permit is hereby granted to OPERATE a very large aggregate processing plant as specified below in Findings 1, 2, and 3. To receive authorization to operate under this General Permit, the owner or operator of a source must submit an application, as described in Finding 4, to the Illinois EPA. Authorization, if granted, will be transmitted by letter. A copy of this permit will be included.

Findings

1. This general permit is applicable to aggregate processing plants that meet all of the following criteria:
 - a.
 - i. The sum of all materials processed by the aggregate processing plant does not exceed 2,500,000 tons per month and 20,000,000 tons per year.
 - ii. In lieu of natural moisture, water sprays can be used on the emission units associated with the aggregate processing plant (crushers, conveyors and bins with associated transfer points, and stockpiles) to produce a moisture content of 1.5% by weight or higher in order to control particulate matter emissions, rather than by capture systems and collection devices.
 - iii. All normal traffic pattern access areas surrounding storage piles and all normal traffic pattern roads and parking facilities which are located on the property are paved or treated with water, oils or chemical dust suppressants. All paved areas are cleaned on a regular basis. All areas treated with water, oils or chemical dust suppressants have the treatment applied on a regular basis, or as needed basis.
 - b.
 - i. The sum of all materials processed by the crushers associated with the aggregate processing plant does not exceed 13,333,333 tons per month and 80,000,000 tons per year.
 - ii. The sum of all materials processed by the screens associated with the aggregate processing plant does not exceed 16,666,667 tons per month and 100,000,000 tons per year.
 - iii. The sum of all materials transferred by the conveyors and transfer points associated with the aggregate processing plant does not exceed 116,666,667 tons per month and 700,000,000 tons per year.

- c. The source constitutes an aggregate processing plant which includes facilities performing the following operations: crushing, screening, storage and transfer of nonmetallic minerals, such as stone, sand and gravel, recycled concrete and asphalt, etc.
 - d. Other company owned facilities, such as concrete batch or asphalt mix plants, or any other process units, are not operated at the aggregate processing plant unless such emission units are exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146.
2. For purposes of this permit, an affected aggregate processing plant includes all aggregate transfer, weigh-hopper loading, loading and transferring at the site and is one that does not exceed:
 - a. Thirty-five (35) crushers;
 - b. Sixty (60) screens; and
 - c. Four hundred (400) conveyors, bins, silos, and feeders with associated transfer points.
3. This permit imposes conditions on affected emission units at the affected aggregate processing plant to assure compliance with applicable requirements of:
 - a. 40 CFR Part 60, Subparts A and 000; and/or
 - b. 35 Ill. Adm. Code Part 212, Subparts K, L, and U.
4. This permit does not excuse the Permittee from obtaining a Construction Permit and/or an Operating Permit for any additional emission units in excess of those units specified in Finding 2.
5. The Illinois EPA will only authorize operation pursuant to this permit if an application includes the following items:
 - a. A description and location identifying the aggregate processing plant.
 - b. A statement certifying that the aggregate processing plant meets the criteria in Finding 1.
 - c. A request for authorization to operate pursuant to this general permit.
 - d. A statement that the aggregate processing plant is, and will be, operated to comply with 40 CFR Part 60, Subparts A and 000 (if applicable); 35 Ill. Adm. Code Part 212, Subparts K, L, and U and the Conditions of this permit.

- e. A signed certification by the applicant that the information contained in the application is accurate.
6. This federally enforceable state operating permit is issued to limit the emissions of particulate matter less than 10 microns (PM₁₀) from the source to less than major source levels, so that the source is excluded from requirements to obtain a permit under the Clean Air Act Permit Program (CAAPP). The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.

Conditions

This permit is subject to both the standard conditions attached hereto and the following special condition(s):

1. Source Description
 - a. This federally enforceable state operating permit (FESOP) is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for PM₁₀). 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.
 - d. This permit allows the operation and construction of additional emission units of an affected aggregate processing plant (including all aggregate transfer, weigh-hopper loading, loading and transferring at the site) not to exceed:
 - i. Thirty-five (35) crushers;
 - ii. Sixty (60) screens; and
 - iii. Four hundred (400) conveyors, bins, silos, and feeders with associated transfer points.
 - e. This permit does not exempt the Permittee from obtaining a Construction and/or Operating Permit for any additional emission units in excess of those units specified in Condition 1(d), unless such emission units or operations are already exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146 and does not affect the source's status with respect to the applicability of Section 39.5 of the Illinois Environmental Protection Act.

2. Applicability Provisions and Applicable Regulations

- a. Each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station that commences construction, reconstruction, or modification after August 31, 1983 are subject to the provisions of the New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants, 40 CFR 60 Subparts A and 000.
 - i. Pursuant to 40 CFR 60.670(a)(2), the provisions of 40 CFR 60 Subpart 000 do not apply to the stand-alone screening operations without crushers or grinding mills.
 - ii. Pursuant to 40 CFR 60.670(c), Facilities at the following plants are not subject to the provisions of 40 CFR 60 Subpart 000:
 - A. Fixed sand and gravel plants and crushed stone plants with capacities, as defined in 40 CFR 60.671, of 23 megagrams per hour (25 tons per hour) or less; and
 - B. Portable sand and gravel plants and crushed stone plants with capacities, as defined in 40 CFR 60.671, of 136 megagrams per hour (150 tons per hour) or less.
 - iii. Pursuant to 40 CFR 60.672(a)(1), 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 000 shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which contain particulate matter in excess of 0.05 g/dscm (0.022 gr/dscf).
 - iv. Pursuant to 40 CFR 60.672(b), no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in 40 CFR 60.672(c), (d), and (e).
 - v. Pursuant to 40 CFR 60.672(c), no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.
 - vi. 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.

vii. 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), (b) and (c), or the building enclosing the affected facility or facilities must comply with the following emission limits:

A. No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in 40 CFR 60.671.

B. No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in 40 CFR 60.672(a).

b. Particulate Matter Standards

i. 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 the requirements of 35 Ill. Adm. Code 212.122, except as allowed by 35 Ill. Adm. Code 212.123(b) and 212.124.

ii. Pursuant to 35 Ill. Adm. Code 212.301 and 212.314, 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 overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour).

iii. 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 townships listed in Attachment B, notwithstanding any political subdivisions contained therein, as the township boundaries were defined on October 1, 1979, in the counties listed in Attachment B.

- A. All storage piles of materials with uncontrolled emissions of fugitive particulate matter in excess of 45.4 Mg per year (50 tons/year) which are located within a source whose potential particulate emissions from all emission units exceed 90.8 Mg/year (100 tons/year) shall be protected by a cover or sprayed with a surfactant solution or water on a regular basis, as needed, or treated by an equivalent method, in accordance with the operating program required by 35 Ill. Adm. Code 212.309, 212.310 and 212.312. 35 Ill. Adm. Code 212.304(a) shall not apply to a specific storage pile if the owner or operator of that pile proves to the Illinois EPA that fugitive particulate emissions from that pile do not cross the property line either by direct wind action or reentrainment.
 - B. 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
 - C. 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.
 - D. 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.
- iv. Pursuant to 35 Ill. Adm. Code 212.309(a), 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.

- v. Pursuant to 35 Ill. Adm. Code 212.310, at a minimum the operating program shall include the following:
 - A. The name and address of the source;
 - B. The name and address of the owner or operator responsible for execution of the operating program;
 - C. 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;
 - D. Location of unloading and transporting operations with pollution control equipment;
 - E. A detailed description of the best management practices utilized to achieve compliance with this Subpart, including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals and dust suppressants utilized and equivalent methods utilized;
 - F. Estimated frequency of application of dust suppressants by location of materials; and
 - G. Such other information as may be necessary to facilitate the Illinois EPA's review of the operating program.
- vi. Pursuant to 35 Ill. Adm. Code 212.312, the operating program 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.
- vii. Pursuant to 35 Ill. Adm. Code 212.316(a), 35 Ill. Adm. Code 212.316 shall apply to those operations specified in 35 Ill. Adm. Code 212.302 and that are located in areas defined in Attachment C (see also 35 Ill. Adm. Code 212.324(a)(1)) (e.g., McCook, Lake Calumet, and Granite City).
- viii. Pursuant to 35 Ill. Adm. Code 212.316(b), no person shall cause or allow fugitive particulate matter emissions generated by the crushing or screening of slag, stone, coke or coal to exceed an opacity of 10 percent.
- ix. Pursuant to 35 Ill. Adm. Code 212.316(c), no person shall cause or allow fugitive particulate matter emissions from

any roadway or parking area to exceed an opacity of 10 percent, except that the opacity shall not exceed 5 percent at quarries with a capacity to produce more than 1 million tons/year of aggregate.

- x. Pursuant to 35 Ill. Adm. Code 212.316(d), no person shall cause or allow fugitive particulate matter emissions from any storage pile to exceed an opacity of 10 percent, to be measured four ft from the pile surface.
 - xi. Pursuant to 35 Ill. Adm. Code 212.316(f), unless an emission unit has been assigned a particulate matter, PM₁₀, or fugitive particulate matter emissions limitation elsewhere in 35 Ill. Adm. Code 212.316 or in 35 Ill. Adm. Code Part 212 Subparts R or S, no person shall cause or allow fugitive particulate matter emissions from any emission unit to exceed an opacity of 20 percent.
 - xii. Pursuant to 35 Ill. Adm. Code 212.321(a), 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 subsection (c) of 35 Ill. Adm. Code 212.321.
 - xiii. Pursuant to 35 Ill. Adm. Code 212.324(b), except as otherwise provided in 35 Ill. Adm. Code 212.324, no person shall cause or allow the emission into the atmosphere, of PM₁₀, from any process emission unit to exceed 68.7 mg/scm (0.03 gr/scf) during any one hour period.
 - xiv. Pursuant to 35 Ill. Adm. Code 212.324(d), the mass emission limits contained in 35 Ill. Adm. Code 212.324(b) shall not apply to those emission units with no visible emissions other than fugitive particulate matter; however, if a stack test is performed, 35 Ill. Adm. Code 212.324(d) is not a defense finding of a violation of the mass emission limits contained in 35 Ill. Adm. Code 212.324(b).
- c. Additional Control Measures
- i. Pursuant to 35 Ill. Adm. Code 212.700(a), Attachment D (see also 35 Ill. Adm. Code Part 212 Subpart U) shall apply to those sources in the areas designated in and subject to 35 Ill. Adm. Code 212.324(a)(1) or 212.423(a) and that have actual annual source-wide emissions of PM₁₀ of at least fifteen (15) tons per year.

ii. Pursuant to 35 Ill. Adm. Code 212.700(b), a source's actual annual source-wide emissions of PM₁₀ shall be the total of its fugitive emissions and its stack emissions from process emission units and fuel combustion emission units and as set forth in the source's Annual Emissions Report submitted pursuant to 35 Ill. Adm. Code 254 or, for a newly-constructed source or emission unit, the estimated emissions included in the permit application.

3. Operational Limits and Work Practice Requirements

a. 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.

b. Pursuant to 35 Ill. Adm. Code 212.324(f), for any process emission unit subject to 35 Ill. Adm. Code 212.324(a) (i.e., sources located in McCook, Lake Calumet, or Granite City), the owner or operator shall maintain and repair all air pollution control equipment in a manner that assures that the emission limits and standards in 35 Ill. Adm. Code 212.324 shall be met at all times. 35 Ill. Adm. Code 212.324 shall not affect the applicability of 35 Ill. Adm. Code 201.149. Proper maintenance shall include the following minimum requirements:

- i. Visual inspections of air pollution control equipment;
- ii. Maintenance of an adequate inventory of spare parts; and
- iii. Expeditious repairs, unless the emission unit is shutdown.

c. The surface moisture content of the aggregate to be processed by the affected aggregate processing plant shall be at least 1.5% by weight. The Permittee shall show compliance with this requirement as follows:

i. In lieu of natural moisture, water sprays shall be used on the emission units associated with the crushing plant (e.g., crushers, 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 and to maintain compliance with the applicable visible emissions standards for each

piece of processing equipment used in the production process; or

- ii. Water saturated materials mined below the water table are being processed;
- iii. Demonstrate compliance with Condition 3(c) by following the testing requirements of Condition 5(h); and
- iv. All normal traffic pattern access areas surrounding storage piles and all normal traffic pattern roads and parking facilities which are located on the 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, or as needed basis.

4. Emission Limitations

a. Emissions and operation of the affected aggregate processing plant shall not exceed the following limits:

- i. Total Aggregate throughput of the affected aggregate processing plant:

<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
2,500,000	20,000,000

- ii. Aggregate throughput for each type of process at the affected aggregate processing plant:

<u>Item of Equipment</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Thirty-five (35) Crushers	13,333,333	80,000,000
Sixty (60) Screens	16,666,667	100,000,000
400 Conveyors, Bins, Feeders, Transfer Points	116,666,667	700,000,000

- iii. Emissions of Particulate Matter (PM) and Particulate Matter less than 10 Microns (PM₁₀) from the affected aggregate processing plant:

<u>Item of Equipment</u>	<u>PM Emissions</u>			<u>PM₁₀ Emissions</u>		
	<u>(Lb/Ton)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Ton)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
35 Crushers	0.0012	8.00	48.00	0.00054	3.60	21.60
60 Screens	0.0022	17.50	105.00	0.00074	6.08	36.50
400 Conveyors and Bins	0.00014	7.58	45.50	0.000046	2.63	15.75
		Totals	198.50			73.85

- iv. These limits are based on representations of the maximum aggregate throughput and standard emission factors (Table 11.19.2-2, AP-42, Volume I, Fifth Edition, Update 2004, August 2004).
 - b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
5. Testing Requirements
- a. The Permittee shall perform all applicable testing for the affected aggregate processing plant as specified by 40 CFR 60.8 and 60.675 as follows:
 - i. 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).
 - ii. 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:
 - A. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
 - B. Approves the use of an equivalent method;
 - C. 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;
 - D. 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
 - E. 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.

- iii. 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.
- iv. 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.
- v. 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:
 - A. Sampling ports adequate for test methods applicable to such facility. This includes:
 - I. 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
 - II. Providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.
 - B. Safe sampling platform(s).
 - C. Safe access to sampling platform(s).

- D. Utilities for sampling and testing equipment.
- vi. 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.
 - vii. 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 this section, except as provided in 40 CFR 60.8(b).
 - viii. 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 appendix A of 40 CFR Part 60 or other methods and procedures as specified in this section, except as provided in 40 CFR 60.8(b). Acceptable alternative methods and procedures are given in 40 CFR 60.675(e).
 - ix. Pursuant to 40 CFR 60.675(b), the owner or operator shall determine compliance with the particulate matter standards in 40 CFR 60.672(a) as follows:
 - A. Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.

- B. Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.
- x. Pursuant to 40 CFR 60.675(c),
 - A. In determining compliance with the particulate matter standards in 40 CFR 60.672(b) and (c), the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:
 - I. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - II. 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, Section 2.1) must be followed.
 - III. 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.
 - B. When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
 - I. There are no individual readings greater than 10 percent opacity; and
 - II. There are no more than 3 readings of 10 percent for the 1-hour period.
 - C. When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under 40 CFR 60.672(c), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- I. There are no individual readings greater than 15 percent opacity; and
 - II. There are no more than 3 readings of 15 percent for the 1-hour period.
- xi. Pursuant to 40 CFR 60.675(d), in determining compliance with 40 CFR 60.672(e), the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes.
 - xii. Pursuant to 40 CFR 60.675(e)(1), the owner or operator may use the following as alternatives, 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.
 - xiii. Pursuant to 40 CFR 60.675(g), if, after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Illinois EPA or USEPA at least 7 days prior to any rescheduled performance test.
 - xiv. Pursuant to 40 CFR 60.675(h), initial Method 9 performance tests under 40 CFR 60.11 and 60.675 are not required for:
 - A. Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
 - B. Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials

up to the first crusher, grinding mill, or storage bin in the production line.

- b. 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.
- c. The testing required by Condition 5(d) through (g) below shall be made upon written request by the Illinois EPA by or under the direction of a person qualified by training and/or experience in the field of air pollution testing.
- d. Pursuant to 35 Ill. Adm. Code 212.107, for both fugitive and nonfugitive 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. This Condition shall not apply to 35 Ill. Adm. Code 212.301.

- e. 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.
 - e. 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.
 - f. 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.
 - g. 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.
 - h. The moisture content of a representative sample of the aggregate processed in the affected aggregate processing plant shall be measured at least one per week using ASTM Procedures (C566-97) for total moisture content of material.
6. Inspection and Monitoring Requirements
- a. The Permittee shall perform all applicable monitoring for the affected aggregate processing plant as specified in 40 CFR 60.13 and 60.674.
 - b. If the Permittee is relying on Condition 3(c)(i) to demonstrate compliance with Condition 3(c), the Permittee shall monitor for the water spray equipment as follows:

- i. 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.
- ii. 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 affected aggregate processing plant is in operation.

7. Recordkeeping Requirements

The Permittee shall maintain records of the following items for the affected aggregate processing plant to demonstrate compliance with Conditions 2, through 6 of this permit:

- a. The Permittee shall retain all applicable records for the affected aggregate processing plant as specified by 40 CFR 60.7 and 60.676.
- b. 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.
- c. Pursuant to 35 Ill. Adm. Code 212.316(g),
 - i. The owner or operator of any fugitive particulate matter emission unit subject to 35 Ill. Adm. Code 212.316 (i.e., located in McCook, Lake Calumet, or Granite City) shall keep written records of the application of control measures as may be needed for compliance with the opacity limitations of 35 Ill. Adm. Code 212.316.
 - ii. The records required under 35 Ill. Adm. Code 212.316(g) shall include at least the following:
 - A. The name and address of the source;
 - B. The name and address of the owner and/or operator of the source;
 - C. A map or diagram showing the location of all emission units controlled, including the location, identification, length, and width of roadways;
 - D. For each application of water or chemical solution to roadways by truck: the name and location of the roadway controlled, application rate of each truck, frequency of each application, width of each application, identification of each truck used, total quantity of water or chemical used for each

application and, for each application of chemical solution, the concentration and identity of the chemical;

- E. For application of physical or chemical control agents: the name of the agent, application rate and frequency, and total quantity of agent and, if diluted, percent of concentration, used each day; and
 - F. A log recording incidents when control measures were not used and a statement of explanation.
- iii. The records required under 35 Ill. Adm. Code 212.316(g) shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by Illinois EPA representatives during working hours.
- d. Recordkeeping of Maintenance and Repair. Pursuant to 35 Ill. Adm. Code 212.324(g), sources subject to 35 Ill. Adm. Code 212.324 (i.e., sources located in McCook, Lake Calumet, or Granite City) shall maintain the following records:
- i. Written records of inventory and documentation of inspections, maintenance, and repairs of all air pollution control equipment shall be kept in accordance with 35 Ill. Adm. Code 212.324(f).
 - ii. The owner or operator shall document any period during which any process emission unit was in operation when the air pollution control equipment was not in operation or was malfunctioning so as to cause an emissions level in excess of the emissions limitation. These records shall include documentation of causes for pollution control equipment not operating or such malfunction and shall state what corrective actions were taken and what repairs were made.
 - iii. A written record of the inventory of all spare parts not readily available from local suppliers shall be kept and updated.
 - iv. Copies of all records required by 35 Ill. Adm. Code 212.324(g) shall be submitted to the Illinois EPA within ten (10) working days after a written request by the Illinois EPA.
 - v. The records required under 35 Ill. Adm. Code 212.324(g) shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by Illinois EPA representatives during working hours.
- e. Records addressing the application of control measures taken pursuant to the operating program required by 35 Ill. Adm. Code

212.309 which are used to reduce fugitive particulate matter emissions.

- f. Records addressing use of good operating practices for the affected aggregate processing plant:
 - i. If the Permittee is relying on the requirements of Conditions 3(c)(iii) and 5(h) to demonstrate compliance with Condition 3(c), the Permittee shall maintain records of all moisture content tests performed including date, time, individual performing test, and location of sample (e.g., prior to crushing, stockpiles, etc.);
 - ii. If the Permittee is relying on Condition 3(c)(i) to demonstrate compliance with Condition 3(c), the Permittee shall maintain operating logs for the water spray equipment, including dates and times of usage, malfunctions (type, date, and measures taken to correct), water pressure, and dates when there was at least 0.25" of rainfall during the preceding 24 hours and the water spray equipment was not operated; and
 - iii. The Permittee shall maintain weekly records of water consumption in the spray equipment, as determined by the meter required by Condition 6(b)(i) and the amount of precipitation specified in Condition 7(f)(ii).
- g. Production and Operating Records:
 - i. Total aggregate throughput for the affected aggregate processing plant (tons/month and tons/year);
 - ii. Total aggregate throughput for the crushers (tons/month and tons/year);
 - iii. Total aggregate throughput for the screens (tons/month and tons/year); and
 - iv. Total aggregate throughput for the conveyors and transfer points (tons/month and tons/year).
- h. Monthly and annual PM and PM₁₀ emissions from the affected aggregate processing plant shall be maintained, based on aggregate production and the applicable emission factors, with supporting calculations (tons/month and tons/year).
- i. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years after 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.

8. Reporting Requirements

- a. The Permittee shall submit all applicable reports for the affected aggregate processing plant as specified in 40 CFR 60.7 and 60.676.
- b. 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.
- c. Pursuant to 35 Ill. Adm. Code 212.316(g),
 - i. The owner or operator of any fugitive particulate matter emission unit subject to 35 Ill. Adm. Code 212.316 (i.e., source located in McCook, Lake Calumet, or Granite City) shall submit to the Illinois EPA an annual report containing a summary of the written records specified under 35 Ill. Adm. Code 212.316(g).
 - ii. Copies of all records required by 35 Ill. Adm. Code 212.316(g) shall be submitted to the Illinois EPA within ten (10) working days after a written request by the Illinois EPA and shall be transmitted to the Illinois EPA by a company-designated person with authority to release such records.
 - iii. A quarterly report shall be submitted to the Illinois EPA stating the following: the dates any necessary control measures were not implemented, a listing of those control measures, the reasons that the control measures were not implemented, and any corrective actions taken. This information includes, but is not limited to, those dates when controls were not applied based on a belief that application of such control measures would have been unreasonable given prevailing atmospheric conditions, which shall constitute a defense to the requirements of this 35 Ill. Adm. Code 212.316. This report shall be submitted to the Illinois EPA thirty (30) calendar days from the end of a quarter. Quarters end March 31, June 30, September 30, and December 31.
- d. Pursuant to 35 Ill. Adm. Code 212.324(g)(6), upon written request by the Illinois EPA, a report shall be submitted to the Illinois

EPA for any period specified in the request stating the following: the dates during which any process emission unit was in operation when the air pollution control equipment was not in operation or was not operating properly, documentation of causes for pollution control equipment not operating or not operating properly, and a statement of what corrective actions were taken and what repairs were made.

- e. The Permittee shall submit notification of the changes to the operation of the source to the Illinois EPA - Air Permit Section fourteen (14) calendar days prior to the commencement of such change as follows:
 - i. The replacement of any emission unit or air pollution control equipment authorized by Condition 1(d) of this permit; or
 - ii. The addition of any emission unit or air pollution control equipment so long as the source continues to comply with Condition 1(d) of this permit.
- f. If there is an exceedance of or a deviation from 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 or deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedances or deviation and efforts to reduce emissions and future occurrences.
- g. Reporting Addresses

The following addresses should be utilized for the submittal of reports, notifications, and renewals:

- i. Illinois EPA - Air Compliance Section

Illinois Environmental Protection Agency
Bureau of Air
Compliance Section (MC 40)
P.O. Box 19276
Springfield, Illinois 62794-9276
- ii. Illinois EPA - Air Regional Field Office

Illinois Environmental Protection Agency
Division of Air Pollution Control - Region 1
9511 West Harrison
Des Plaines, Illinois 60016

iii. Illinois EPA - Air Permit Section

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
P.O. Box 19506
Springfield, Illinois 62794-9506

iv. USEPA Region 5 - Air Branch

USEPA (AE - 17J)
Air & Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604

- h. Unless otherwise specified in the particular provision of this permit, reports shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.

9. Compliance Procedures

Compliance with the emission limits shall be based on the recordkeeping requirements in Condition 7 and the emission factors and formulas listed below:

- a. To determine compliance with Condition 4(a)(iii), PM and PM₁₀ emissions from the affected aggregate processing plant shall be calculated based on the following emission factors:

<u>Item of Equipment</u>	<u>PM Emission Factor (Lbs/Ton)</u>	<u>PM₁₀ Emission Factor (Lbs/Ton)</u>
Crushers	0.0012	0.00054
Screens	0.0022	0.00074
Conveyors and Bins	0.00014	0.000046

These are the emission factors for crushed stone processing operations for tertiary crushing, screening (controlled), and conveyor transfer point (controlled) listed in Table 11.19.2-2, AP-42, Volume I, Fifth Edition, Update 2004, August 2004.

Emissions (lb) = (weight Of Aggregate Processed, ton) x (The Appropriate Emission Factor, lb/ton)

10. The assembly of this plant at a new location will require a construction permit. This permit must be obtained prior to commencing construction at the new location. For this purpose, a new location is defined as a location in Illinois at which the plant does not have a valid operating permit or authorization letter.

11. The operation of this plant at a location in Illinois other than a location identified in a valid operating permit or an authorization letter requires another operating permit or authorization from the Illinois EPA. This operating permit/authorization must be obtained prior to operating at such location.
12. The Permitted shall notify the Illinois EPA in writing 5 days in advance of either disassembling or reassembling the plant at the source location identified in an authorization letter.

If you have any questions on this permit, please call a Permit Analyst at 217/782-2113.

Edwin C. Bakowski, P.E.
Acting Manager, Permit Section
Division of Air Pollution Control

ECB:RWB:psj

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission of an affected aggregate processing 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 production of 20,000,000 tons of aggregate per year. The resulting maximum emissions are below the levels, (e.g., 100 tons per year of PM₁₀), at which a plant would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from an affected aggregate processing plant will be less than predicted in this summary to the extent that less materials will be handled by the plant and control measures are more effective than required by this permit.

<u>Item of Equipment</u>	Annual Emissions (Tons/Year)	
	<u>PM</u>	<u>PM₁₀</u>
35 Crushers	48.00	21.60
60 Screens	105.00	36.50
400 Conveyors, Bins, Silos, Feeders	45.50	15.75
Total	<u>198.50</u>	<u>73.85</u>

ECB:RWB:psj

Attachment B

35 Ill. Adm. Code 212.302 Geographical Areas of Application

- a) Sections 212.304 through 212.310 and 212.312 of this Subpart 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 Subpart S of this Part (Grain-Handling and Grain-Drying Operations) that are outside the areas defined in Section 212.324(a)(1) of this Part), 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:

Cook:	All townships
Lake:	Shields, Waukegan, Warren
DuPage:	Addison, Winfield, York
Will:	DuPage, Plainfield, Lockport, Channahon, Peotone, Florence, Joliet
Peoria:	Richwoods, Limestone, Hollis, Peoria, City of Peoria
Tazewell:	Fondulac, Pekin, Cincinnati, Groveland, Washington
Macon:	Decatur, Hickory Point
Rock Island:	Blackhawk, Coal Valley, Hampton, Moline, South Moline, Rock Island, South Rock Island
LaSalle:	LaSalle, Utica
Madison:	Alton, Chouteau, Collinsville, Edwardsville, Fort Russell, Godfrey, Granite City, Nameoki, Venice, Wood River
St. Clair	Canteen, Caseyville, Centerville, St. Clair, Stites, Stookey, Sugar Loaf, Millstadt.

- b) In the geographical areas defined in Section 212.324(a)(1) of this Part, Sections 212.304 through 212.310, 212.312, and 212.316 of this Subpart shall apply to all emission units identified in subsection (a) of this Section, and shall further apply to the following operations: grain handling and grain drying (Subpart S of this Part), transportation, communications, electric, gas, and sanitary services (SIC major groups 40 through 49). Additionally, Sections 212.304 through 212.310, 212.312, and 212.316 of this Subpart shall apply to wholesale trade farm supplies (SIC Industry No. 5191) located in the vicinity of Granite City, as defined in Section 212.324(a)(1)(C) of this Part.
- c) Emission units must comply with subsection (b) of this Section by May 11, 1993, or upon initial start-up, whichever occurs later.

Attachment C

35 Ill. Adm. Code 212.324 Process Emission Units in Certain Areas

a) Applicability.

- 1) This Section shall apply to any process emission unit located in any of the following areas:
 - A) That area bounded by lines from Universal Transmercator (UTM) coordinate 428000mE, 4631000mN, east to 435000mE, 4631000mN, south to 435000mE, 4623000mN, west to 428000mE, 4623000mN, north to 428000mE, 4631000mN, in the vicinity of McCook in Cook County, as shown in Illustration D of this Part;
 - B) That area bounded by lines from Universal Transmercator (UTM) coordinate 445000mE, 4622180mN, east to 456265mE, 4622180mN, south to 456265E, 4609020N, west to 445000mE, 4609020mN, north to 445000mE, 4622180mN, in the vicinity of Lake Calumet in Cook County, as shown in Illustration E of this Part;
 - C) That area bounded by lines from Universal Transmercator (UTM) coordinate 744000mE, 4290000mN, east to 753000mE, 4290000mN, south to 753000mE, 4283000mN, west to 744000mE, 4283000mN, north to 744000mE, 4290000mN, in the vicinity of Granite City in Madison County, as shown in Illustration F of this Part.

Attachment D

35 Ill. Adm. Code Part 212 Subpart U: ADDITIONAL CONTROL MEASURES

35 Ill. Adm. Code 212.700 Applicability

- a) This Subpart shall apply to those sources in the areas designated in and subject to Sections 212.324(a)(1) or 212.423(a) and that have actual annual source-wide emissions of PM₁₀ of at least fifteen (15) tons per year.
- b) A source's actual annual source-wide emissions of PM₁₀ shall be the total of its fugitive emissions and its stack emissions from process emission units and fuel combustion emission units and as set forth in the source's Annual Emissions Report submitted pursuant to 35 Ill. Adm. Code 254 or, for a newly-constructed source or emission unit, the estimated emissions included in the permit application.

35 Ill. Adm. Code 212.701 Contingency Measure Plans, Submittal and Compliance Date

- a) Those sources subject to this Subpart shall prepare contingency measure plans reflecting the PM₁₀ emission reductions set forth in Section 212.703 of this Subpart. These plans shall become federally enforceable permit conditions. Such plans shall be submitted to the Agency by November 15, 1994. Notwithstanding the foregoing, sources that become subject to the provisions of this Subpart after July 1, 1994, shall submit a contingency measure plan to the Agency for review and approval within ninety (90) days after the date such source or sources became subject to the provisions of this Subpart or by November 15, 1994, whichever is later. The Agency shall notify those sources requiring contingency measure plans, based on the Agency's current information; however, the Agency's failure to notify any source of its requirement to submit contingency measure plans shall not be a defense to a violation of this Subpart and shall not relieve the source of its obligation to timely submit a contingency measure plan.
- b) If the Agency disapproves the initial submittal of a contingency measure plan or a source fails to revise a plan so that it is approvable, the Agency shall so notify the source in writing and the source may treat such notice as a permit denial.
- c) Sources having operational changes subject to Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 which require either a new permit or a revision to an existing permit shall, within 30 days after such changes, submit a request to modify its permit in order to include a new, appropriate contingency measure plan. Such new plan shall be subject to the requirements of this Subpart.
- d) A source may, consistent with the requirements of this Subpart and any applicable permitting requirements, propose revisions to its contingency measure plan.

35 Ill. Adm. Code 212.702 Determination of Contributing Sources

- a) If the review of monitoring data reveals an exceedence of the 24-hour ambient air quality standard for PM₁₀ found at 35 Ill. Adm. Code 243.120, the Agency shall attempt to determine the source or sources causing or contributing to the exceedence.
- b) In determining whether a source has caused or contributed to an exceedence of the 24-hour ambient air quality standard for PM₁₀, the Agency may take whatever steps are necessary to determine which source or sources are culpable for the exceedence, including, but not limited to:
 - 1) Evaluating whether the exceedence can be classified as an "exceptional event" pursuant to the "Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events," incorporated by reference in Section 212.113 of this Part;
 - 2) Reviewing operating records of the source or sources identified pursuant to subsections (b)(3) and (b)(4) below to determine whether any source or sources so identified experienced a malfunction or breakdown or violated any term or condition of its operating permit which contributed to the exceedence;
 - 3) Evaluating the monitoring equipment filter evidencing the exceedence to determine the types of sources that contributed to the exceedence; and
 - 4) Evaluating meteorological data and conducting dispersion analyses pursuant to the "Guideline on Air Quality Models (Revised)," incorporated by reference in Section 212.113 of this Part, to determine which source or sources caused or contributed to the exceedence.
- c) If the Agency determines that the exceedence can be classified as an exceptional event, the Agency shall make a written request to USEPA to void the exceedence. If the exceedence has been caused by an "exceptional event," the Agency shall make no requests upon any source for Level I or Level II controls pursuant to Section 212.704(a) or (b) of this Subpart until such time as USEPA has denied the Agency's request to void the exceedence or until an additional exceedence of the 24-hour ambient air quality standard which is not due to an exceptional event, as determined by the Agency, has been monitored for the same area.
- d) If the Agency determines that the exceedence was due to a malfunction or breakdown or violation of any term or condition of a source's operating permit, the Agency shall contact such source and may pursue appropriate action under 35 Ill. Adm. Code 103.
- e) The Agency's determination of culpability of a source is appealable to the Board pursuant to the procedures set forth at 35 Ill. Adm. Code 106, Subpart J.

35 Ill. Adm. Code 212.703 Contingency Measure Plan Elements

- a) All sources subject to this Subpart shall submit a contingency measure plan. The contingency measure plan shall contain two levels of control measures:
 - 1) Level I measures are measures that will reduce total actual annual source-wide fugitive emissions of PM₁₀ subject to control under Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 by at least 15%.
 - 2) Level II measures are measures that will reduce total actual annual source-wide fugitive emissions of PM₁₀ subject to control under Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 by at least 25%.
- b) A source may comply with this Subpart through an alternative compliance plan that provides for reductions in emissions equal to the level of reduction of fugitive emissions as required at subsection (a) above and which has been approved by the Agency and USEPA as federally enforceable permit conditions. If a source elects to include controls on process emission units, fuel combustion emission units, or other fugitive emissions of PM₁₀ not subject to Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 at the source in its alternative control plan, the plan must include a reasonable schedule for implementation of such controls, not to exceed two (2) years. This implementation schedule is subject to Agency review and approval.

35 Ill. Adm. Code 212.704 Implementation

- a) Following any exceedence of the 24-hour ambient air quality standard for PM₁₀, the Agency shall notify the source or sources the Agency has identified as likely to be causing or contributing to an exceedence detected by monitoring. Within ninety (90) days after receipt of such notification, each source so notified may implement Level I or Level II measures, as determined pursuant to subsection (d) below.
- b) If there is a violation of the ambient air quality standard for PM₁₀ as determined in accordance with 40 CFR Part 50, Appendix K, incorporated by reference in Section 212.113 of this Part, the Agency shall notify the source or sources the Agency has identified as likely to be causing or contributing to one or more of the exceedences leading to such violation, and such source or sources shall implement Level I or Level II measures, as determined pursuant to subsection (e) below. The source or sources so identified shall implement such measures corresponding to fugitive emissions within ninety (90) days after receipt of such notification and shall implement such measures corresponding to any nonfugitive emissions according to the approved schedule set forth in such source's alternative control plan. Any source identified as causing or contributing to a violation of the ambient air quality standard for PM₁₀ may appeal any finding of

culpability by the Agency to the Board pursuant to 35 Ill. Adm. Code 106, Subpart J.

- c) Upon the finding of a failure to attain by the Administrator of USEPA, the Agency shall notify all sources in the applicable area required to submit contingency measure plans pursuant to Section 212.700 of this Subpart of such finding by the Administrator; however, the Agency's failure to notify a source of its requirement to implement its contingency measure plan because of the Administrator's finding of a failure to attain shall not be a defense to a violation of this Subpart and shall not relieve the source of its obligation to timely comply with this Section. All such sources subject to this Subpart shall, within sixty (60) days after receipt of such notification, implement any Level II measures corresponding to fugitive emissions subject to control under Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464 and shall implement any Level II measures corresponding to any nonfugitive emissions of PM₁₀ according to the approved schedule set forth in such source's alternative control plan, unless such corresponding Level II controls have been previously implemented by such source or sources pursuant to subsection (a) or (b) above.
- d) The Agency shall request that sources comply with the Level I or Level II measures of their contingency measure plans, pursuant to subsection (a) above, as follows:
 - 1) Level I measures shall be requested when the magnitude of the monitored exceedance at a given air quality monitor is less than or equal to 170 ug/m(3).
 - 2) Level II measures shall be requested when the magnitude of the monitored exceedance at a given air quality monitor exceeds 170 ug/m(3).
- e) The Agency shall require that sources comply with the Level I or Level II measures of their contingency measure plans, pursuant to subsection (b) above, as follows:
 - 1) Level I measures shall be required when the design value of a violation of the 24-hour ambient air quality standard, as computed pursuant to 40 CFR 50, Appendix K, incorporated by reference in Section 212.113 of this Part, is less than or equal to 170 ug/m(3).
 - 2) Level II measures shall be required when the design value of a violation of the 24-hour ambient air quality standard, as computed pursuant to 40 CFR 50, Appendix K, incorporated by reference in Section 212.113 of this Part, exceeds 170 ug/m(3).

35 Ill. Adm. 212.705 Alternative Implementation

Should the Agency determine that more than one source is a contributing source pursuant to Section 212.702 of this Subpart, the Agency may accept controls from fewer than all of the sources identified as culpable where

greater than the required levels of control for all culpable sources are achieved at some of the culpable sources.

- a) For the purposes of this Section, an "identified source" is a source determined to be culpable for an exceedence of the 24-hour ambient air quality standard.
- b) For the purposes of this Section, a "participating source" is another source that is also identified as culpable by the Agency for the monitored exceedence.
- c) For the purposes of this Section, "equivalent air quality benefits" shall be determined by conducting one or more dispersion analyses in accordance with the "Guideline on Air Quality Models (revised)," incorporated by reference in Section 212.113 of this Part.
- d) An identified source may elect to achieve compliance with the provisions of this Subpart by obtaining equivalent air quality benefits from PM₁₀ emissions reductions by a participating source as would be achieved at the identified source, provided, however, that the PM₁₀ emissions reductions to be achieved by the participating source under this Section are in addition to any other obligation it may have under this Subpart to reduce PM₁₀ emissions.
- e) If an identified source elects to rely on this Section to demonstrate compliance with this Subpart, the identified source must:
 - 1) Demonstrate to the Agency that it will achieve equivalent air quality benefits from PM₁₀ emission reductions at the participating source as would be achieved from the identified source subject to this Subpart;
 - 2) The PM₁₀ emissions reductions from the participating source that the identified source is relying upon to demonstrate compliance with this Subpart must be reflected as federally enforceable permit conditions of the participating source's permit;
 - 3) The participating source implements any emissions reductions for fugitive emissions of PM₁₀ within ninety (90) days after the identified source would have been required to implement Level I or Level II measures pursuant to this Subpart; and
 - 4) The participating source submits a reasonable schedule for implementation of any PM₁₀ emission reductions from controls on process emission units, fuel combustion emission units, or other fugitive emissions of PM₁₀ at the participating source not subject to control under Sections 212.304, 212.305, 212.306, 212.308, 212.316(a) through (e), 212.424 or 212.464, not to exceed two (2) years from the date of notification to the identified source that Level I or Level II measures, as appropriate, are required.