



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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CONSTRUCTION PERMIT -- NSPS SOURCE

PERMITTEE

Mississippi Sand, LLC
Attn: Tony Giordano
2320 Creve Coeur Mill Road
Maryland Heights, Missouri 63043

Application No.: 11110006 I.D. No.: 099831AAF
Applicant's Designation: Frac Sand Plant Date Received: May 15, 2012
Subject: Industrial Sand Processing Plant
Date Issued: September 27, 2012
Location: Route 71, Ottawa, LaSalle County

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of a sand processing plant that includes:

Wet Plant I that includes:

- One Belt Feeder
- Eighteen (18) Conveyors
- Five (5) Stackers
- Two Crushers
- Four (4) Dewatering Cyclones
- Four (4) Screens
- Thirteen (13) Feeders
- Two (2) Feed Hoppers
- Two (2) Hydrosizers

Wet Plant II that includes:

- One Belt Feeder
- Five (5) Conveyors
- Two (2) Feed Hoppers
- One Screen

Dry Sand Processes that includes:

- One Sand Dryer Controlled By Baghouse BGH01
- Dry Sand Process Building Baghouse BGH02
- Five (5) Belt Feeders
- Six (6) Bucket Elevators
- Five (5) Conveyors With Baghouse Control
- Six (6) Conveyors Without Baghouse Control
- Five (5) Screens
- Three (3) Feed Hoppers

Sand Storage that includes:

- One Stacker
- Five (5) Storage Silos Controlled By Vent Filters

Truck Loadout that includes:

- Four (4) Bulk Loadout Spouts Controlled By Vent Filters

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 above listed equipment not constituting a new major source or major modification pursuant to Title I of the Clean Air Act, specifically 40 CFR 52.21, 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 Particulate Matter (PM), Particulate Matter less than 10 microns (PM_{10}), and Particulate Matter less than 2.5 microns ($PM_{2.5}$) from the source below the levels that would trigger the applicability of these rules. The source has demonstrated that it is not a potentially major source of other regulated air pollutants.
- b. The operation of the equipment listed above is allowed under this construction permit for a period of 240 days after initial startup of this equipment.
- c. The operation of the emission units under this construction permit shall not begin until construction of the associated air pollution control equipment is complete and reasonable measures short of actual operation have been taken to verify proper operation.
- 2a. This source is subject to the New Source Performance Standards (NSPS) for Standards of Performance for Calciners and Dryers in Mineral Industries 40 CFR 60 Subparts A and UUU. The Illinois EPA is administrating the NSPS in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Pursuant to 40 CFR 60.730(a), the affected facility to which the provisions of Subpart UUU apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility.
- c. Pursuant to 40 CFR 60.732, each owner or operator of any affected facility that is subject to the requirements of Subpart UUU shall comply with the emission limitations set forth in 40 CFR 60.732 on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:
 - i. Contains particulate matter (PM) in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and
 - ii. Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

- d. Pursuant to 40 CFR 60.734(a), with the exception of the process units described in paragraphs (b), (c), and (d) of 40 CFR 60.734, the owner or operator of an affected facility subject to the provisions of Subpart UUU who uses a dry control device to comply with the mass emission standard shall install, calibrate, maintain, and operate a continuous monitoring system to measure and record the opacity of emissions discharged into the atmosphere from the control device.
- e. Pursuant to 40 CFR 60.734(b), in lieu of a continuous opacity monitoring system, the owner or operator of a ball clay vibrating grate dryer, a bentonite rotary dryer, a diatomite flash dryer, a diatomite rotary calciner, a feldspar rotary dryer, a fire clay rotary dryer, an industrial sand fluid bed dryer, a kaolin rotary calciner, a perlite rotary dryer, a roofing granules fluid bed dryer, a roofing granules rotary dryer, a talc rotary calciner, a titanium dioxide spray dryer, a titanium dioxide fluid bed dryer, a vermiculite fluid bed dryer, or a vermiculite rotary dryer who uses a dry control device may have a certified visible emissions observer measure and record three 6-minute averages of the opacity of visible emissions to the atmosphere each day of operation in accordance with Method 9 of appendix A of Part 60.
- f. Pursuant to 40 CFR 60.735(a), records of the measurements required in 40 CFR 60.734 shall be retained for at least 2 years.
- g. Pursuant to 40 CFR 60.735(c), each owner or operator shall submit written reports semiannually of exceedances of control device operating parameters required to be monitored by 40 CFR 60.734. For the purpose of these reports, exceedances are defined as follows:
 - (1) All 6-minute periods during which the average opacity from dry control devices is greater than 10 percent.
- h. Pursuant to 40 CFR 60.736(a), in conducting the performance tests required in 40 CFR 60.8, the owner or operator shall use the test methods in appendix A of Part 60 or other methods and procedures as specified in 40 CFR 60.736, except as provided in 40 CFR 60.8(b).
- i. Pursuant to 40 CFR 60.736(b), the owner or operator shall determine compliance with the particulate matter standards in 40 CFR 60.732 as follows:
 - (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.
 - (2) Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity from stack emissions.

- 3a. This source is subject to the New Source Performance Standard (NSPS) for Nonmetallic Mineral Processing Plants, 40 CFR 60 Subparts A and 000. The Illinois EPA is administrating NSPS in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Pursuant to 40 CFR 60.670(a), except as provided in 40 CFR 60.670(a)(2), (b), (c), and (d), the provisions of 40 CFR 60 Subpart 000 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.
- c. Pursuant to 40 CFR 60.672(a), affected facilities must meet the stack emission limits and compliance requirements in Table 2 of 40 CFR 60 Subpart 000 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 60.8. The requirements in Table 2 of 40 CFR 60 Subpart 000 apply for affected facilities with capture systems used to capture and transport particulate matter to a control device.

Table 2 to 40 CFR Subpart 000 – Stack Emission Limits for Affected Facilities With Capture Systems

| For * * * | The owner or operator must meet a PM limit of * * * | And the owner or operator must meet an opacity limit of * * * | 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 commence construction, modification, or reconstruction on or after April 22, 2008 | 0.032 g/dscm (0.014 gr/dscf) a | Not applicable (except for individual enclosed storage bins) 7 percent for dry control devices on individual enclosed storage bins | Monitoring of baghouses according to 40 60.674(c), (d), or (e) and 40 CFR 60.676(b). |

- d. 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 000 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 000 apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

Table 3 to 40 CFR 60 Subpart 000 – Fugitive Emission Limits

| | | | |
|--|--|--|---|
| <p>For * * *</p> | <p>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) * * *</p> | <p>The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used * * *</p> | <p>The owner or operator must demonstrate compliance with these limits by conducting * * *</p> |
| <p>Affected facilities (as defined in 40 CFR 60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008</p> | <p>7 percent opacity</p> | <p>12 percent opacity</p> | <p>An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and</p> |
| | | | <p>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.</p> |

- 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 the 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 000.
- f. Pursuant to 40 CFR 60.672(f), any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of 40 CFR 60 Subpart 000 but must meet the applicable stack opacity limit and compliance requirements in Table 2 of 40 CFR 60 Subpart 000. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.
- 4a. 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 m (1000 ft) 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. 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 212.321(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 35 Ill. Adm. Code 212.321(c).

5. Pursuant to 35 Ill. Adm. Code 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
6. 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/hr (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.
- 7a. 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.
- 8a. 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 material or installation of controls, in order to eliminate the odor nuisance.
- b. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the emission units and pollution control equipment such that the emission units and pollution control equipment are kept in proper working condition and not cause a violation of the Illinois Environmental Protection Act or regulations promulgated therein.

- c. Pollution control devices shall be in operation at all times when the associated emission unit(s) is in operation and emitting air contaminants.
- 9. The surface moisture content of the sand in Wet Plants I and II shall be maintained at a level of at least 4.0% by weight. The moisture content of a representative sample of the sand from two locations in each of Wet Plant I and II shall be measured at least once per week using ASTM Procedures (C566-97) for total moisture content of material and the moisture content values recorded.
- 10. Emissions and operation of the emission units shall not exceed the following limits:

a. Wet Plant I:

| Item of Equipment | Throughput | | | E M I S S I O N S | | | | |
|--------------------------|------------|-------------|---------|-------------------|--------|----------|----------------------------|--------|
| | (T/Mo) | (T/Yr) | (lb/T) | PM (T/Mo) | (T/Yr) | (lb/T) | PM ₁₀ (T/Mo) | (T/Yr) |
| 18-belt conveyors | 13,140,000 | 105,120,000 | 0.00014 | 0.92 | 7.36 | 0.000046 | 0.30 | 2.42 |
| 5- Radial Stacker | 2,628,000 | 21,024,000 | 0.0024 | 3.15 | 25.23 | 0.0011 | 1.45 | 11.56 |
| 1- Belt Feeder | 547,500 | 4,380,000 | 0.00014 | 0.04 | 0.31 | 0.000046 | 0.01 | 0.10 |
| 4-Dewatering Cyclones | 1,314,000 | 10,512,000 | 0.00052 | 0.34 | 2.73 | 0.00025 | 0.16 | 1.31 |
| 4-Screens | 1,533,000 | 12,264,000 | 0.0022 | 1.69 | 13.49 | 0.00074 | 0.57 | 4.54 |
| 2-Feed Hoppers | 1,423,500 | 11,388,000 | 0.00014 | 0.10 | 0.80 | 0.000046 | 0.03 | 0.26 |
| 13-Feeders | 3,504,000 | 28,032,000 | 0.00014 | 0.25 | 1.96 | 0.000046 | 0.08 | 0.64 |
| 2-Hydrosizers | 657,000 | 5,256,000 | 0.00014 | 0.05 | 0.37 | 0.000046 | 0.02 | 0.12 |
| 2-Crushers | 1,204,500 | 9,636,000 | 0.0012 | 0.72 | 5.78 | 0.00054 | 0.33 | 2.60 |
| | | | | Total: | 58.03 | | | 23.55 |

These limits are based information in the application and AP-42 emission factors. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

b. Wet Plant II:

| Item of Equipment | Throughput | | | E M I S S I O N S | | | | |
|-------------------------|------------|------------|---------|-------------------|--------|----------|----------------------------|--------|
| | (T/Mo) | (T/Yr) | (lb/T) | PM (T/Mo) | (T/Yr) | (lb/T) | PM ₁₀ (T/Mo) | (T/Yr) |
| 5-Belt Conveyors | 3,504,000 | 28,032,000 | 0.00014 | 0.25 | 1.96 | 0.000046 | 0.08 | 0.64 |
| 1-Belt Feeder | 876,000 | 7,008,000 | 0.00014 | 0.06 | 0.49 | 0.000046 | 0.02 | 0.16 |
| 2-Feed Hoppers | 1,314,000 | 10,512,000 | 0.00014 | 0.09 | 0.74 | 0.000046 | 0.03 | 0.24 |
| 1-Single Deck Screen | 438,000 | 3,504,000 | 0.0022 | 0.48 | 3.85 | 0.00074 | 0.16 | 1.30 |
| | | | | Total: | 7.04 | | | 2.34 |

These limits are based information in the application and AP-42 emission factors. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

c. Dry Sand Processes:

| Item of Equipment | Throughput | | (lb/T) | E M I S S I O N S | | | PM ₁₀ | |
|---------------------------|------------|-----------|---------|-------------------|--------|----------|------------------|--------|
| | (T/Mo) | (T/Yr) | | PM | (T/Mo) | (T/Yr) | (lb/T) | (T/Mo) |
| 1-Dryer with Baghouse | 219,000 | 1,752,000 | 0.01 * | 2.24 | 17.95 | 0.01 * | 2.24 | 17.95 |
| 5-Belt Conveyors** | 766,500 | 6,132,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5-Belt Conveyors | 985,500 | 7,884,000 | 0.00014 | 0.05 | 0.55 | 0.000046 | 0.02 | 0.18 |
| 1-Belt Conveyor | 109,500 | 876,000 | 0.0099 | 0.54 | 4.34 | 0.0016 | 0.09 | 0.70 |
| 5-Belt Feeders** | 545,310 | 4,362,480 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6-Bucket Elevators | 1,204,500 | 9,636,000 | 0.00014 | 0.08 | 0.67 | 0.000046 | 0.03 | 0.22 |
| 5-Dry Screens** | 545,310 | 4,362,480 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-Feed Hoppers | 547,500 | 4,380,000 | 0.0099 | 2.71 | 21.68 | 0.0016 | 0.44 | 3.50 |
| Process Building Baghouse | | | 0.01 * | | 12.76 | 0.01 * | | 12.76 |
| | | | | Total: | 57.95 | | | 35.31 |

* Based on grain loading of 0.01 grains per dry standard cubic feet and flow rate of 47,800 (scfm) for the sand dryer baghouse and 34,000 (scfm) for the process building baghouse.

** Controlled by process building baghouse.

These limits are based information in the application and AP-42 emission factors. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

d. Sand Storage:

| Item of Equipment | Throughput | | (lb/T) | E M I S S I O N S | | | PM ₁₀ | |
|-------------------|------------|-----------|--------|-------------------|--------|--------|------------------|--------|
| | (T/Mo) | (T/Yr) | | PM | (T/Mo) | (T/Yr) | (lb/T) | (T/Mo) |
| 5-Storage Silos | 985,500 | 7,884,000 | 0.0099 | 4.88 | 39.03 | 0.0016 | 0.79 | 6.31 |
| | | | | Total: | 39.03 | | | 6.31 |

These limits are based information in the application and AP-42 emission factors. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

e. Truck Loadout:

| Item of Equipment | Throughput | | (lb/T) | E M I S S I O N S | | | PM ₁₀ | |
|-------------------|------------|-----------|--------|-------------------|--------|--------|------------------|--------|
| | (T/Mo) | (T/Yr) | | PM | (T/Mo) | (T/Yr) | (lb/T) | (T/Mo) |
| 4-Loading Spouts | 876,000 | 7,008,000 | 0.017 | 0.08 | 0.66 | 0.008 | 0.04 | 0.31 |
| | | | | Total: | 0.66 | | | 0.31 |

These limits are based information in the application and AP-42 emission factors. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

f. Operation and combustion emissions of the dryer shall not exceed the following limits:

- i. Natural Gas Usage: 60.23 mmscf/month, 481.80 mmscf/year.
- ii. Emissions from the combustion of natural gas:

| <u>Pollutant</u> | <u>Emission Factor</u> | <u>Emissions</u> | |
|--|------------------------|------------------|-----------|
| | (lbs/mmscf) | (Tons/Mo) | (Tons/Yr) |
| Carbon Monoxide (CO) | 244.8 | 7.37 | 58.97 |
| Nitrogen Oxides (NO _x) | 173.4 | 5.22 | 41.77 |
| Particulate Matter (PM, PM ₁₀) | 7.6 | 0.23 | 1.83 |
| Sulfur Dioxide (SO ₂) | 0.6 | 0.02 | 0.14 |
| Volatile Organic Material (VOM) | 5.5 | 0.17 | 1.32 |

These limits are based on the maximum firing rate (56.0 mmBtu/hour), 8,760 hours per year of operation, and standard emission factors (Tables 1.4-1 and 1.4-2, AP-42, Fifth Edition, Volume I, Supplement D, July 1998) for PM/PM₁₀, SO₂, and VOM, and dryer manufacturer emission factors for CO and NO_x. The limits on PM₁₀ also limit the emissions of PM_{2.5}.

g. Operation and combustion emissions of the dryer shall not exceed the following limits:

i. Propane (Auxiliary/Backup Fuel only) Usage: 670,160 gallons/month, 5,361,310 gallons/year.

ii. Emissions from the combustion of propane:

| <u>Pollutant</u> | <u>Emission Factor</u> | <u>Emissions</u> | |
|--|------------------------|------------------|-----------|
| | (lbs/1000 gal) | (Tons/Mo) | (Tons/Yr) |
| Carbon Monoxide (CO) | 7.5 | 2.51 | 20.10 |
| Nitrogen Oxides (NO _x) | 13.0 | 4.36 | 34.85 |
| Particulate Matter (PM, PM ₁₀) | 0.7 | 0.23 | 1.88 |
| Sulfur Dioxide (SO ₂) | 0.5 | 0.17 | 1.34 |
| Volatile Organic Material (VOM) | 1.0 | 0.34 | 2.68 |

These limits are based on the maximum firing rate (56.0 mmBtu/hour), a heat content of 91.5 mmBtu/1000 gallons of propane, a maximum sulfur content of 5% for propane, and standard emission factors (Table 1.5-1, AP-42, Fifth Edition, Volume I, Updated, July 2008). The limits on PM₁₀ also limit the emissions of PM_{2.5}.

h. Compliance with the 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).

11a. 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.
- 12a. 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.

- b. Pursuant to 40 CFR 60.11(e)(2), except as provided in 40 CFR 60.11(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.
- 13a. 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. Pursuant to 40 CFR 60.675(b), the owner or operator shall determine compliance with the PM standards in 40 CFR 60.672(a) as follows:
 - i. Except as specified in 40 CFR 60.675(e)(3) and (4), Method 5 of Appendix A-3 of 40 CFR Part 60 or Method 17 of Appendix A-6 of 40 CFR Part 60 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR Part 60, Appendix A-3), 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.

- ii. Method 9 of Appendix A-4 of 40 CFR Part 60 and the procedures in 40 CFR 60.11 shall be used to determine opacity.
- c. 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.
- ii. A. Pursuant to 40 CFR 60.675(c)(2)(i), in determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under 40 CFR 60.672(f), using Method 9 (40 CFR Part 60, Appendix A-4), the duration of the Method 9 (40 CFR Part 60, Appendix A-4) observations shall be 1 hour (ten 6-minute averages).
- B. Pursuant to 40 CFR 60.675(c)(2)(ii), the duration of the Method 9 (40 CFR Part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.
- iii. 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 of 40 CFR 60 Subpart 000 must be based on the average of the five 6-minute averages.
- d. Pursuant to 40 CFR 60.675(d)(1), to demonstrate compliance with the fugitive emission limits for buildings specified in 40 CFR 60.672(e)(1), the owner or operator must complete the testing specified in 40 CFR 60.675(d)(1) and (2). Performance tests must be conducted while all affected facilities inside the building are operating. If

the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR Part 60, Appendix A-4) performance test according to 40 CFR 60.675(d) and 40 CFR 60.11.

- e. Pursuant to 40 CFR 60.675(f), to comply with 40 CFR 60.676(d), the owner or operator shall record the measurements as required in 40 CFR 60.676(c) using the monitoring devices in 40 CFR 60.674(a)(1) and (2) during each particulate matter run and shall determine the averages.
 - f. 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 permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.
- 14a. 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 Condition 15 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.

- 15a. 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. 35 Ill. Adm. Code 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.
- 16a. 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, the particulate matter (PM, PM₁₀, PM_{2.5}) emissions and opacity from the affected facilities shall be measured, as required by 40 CFR Part 60 Subpart A, 40 CFR 60.672, 60.674, 60.675, 60.732, 60.734, and 60.736, during conditions which are representative of the maximum performance. The Illinois EPA may provide additional time for the performance of this testing upon written request from the Permittee which shows that it is not feasible to perform representative testing within the specified timeframes.

- 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 Part 51, Appendix M, 40 CFR Part 60, Appendix A, and 40 CFR Part 61, Appendix B for USEPA test methods.

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| 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 Methods 5/201A |
| Visual Determination of the Opacity of Emissions from Stationary Sources | USEPA Method 9 |
| Determination of Particulate Emissions from Stationary Sources (In-Stack Filtration Method) | USEPA Method 17 |
| Determination of Condensable Particulate Matter Emissions from Stationary Sources | USEPA Method 202 |

- c. At least 30 days prior to the actual date of testing, the Permittee shall submit a written test plan to the Illinois EPA, Compliance Section. This plan shall include as a minimum:
- i. The name (or other identification) of the emission unit(s) and pollution control equipment 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 stacks 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, 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 facsimile, at least 5 days prior to the scheduled date of testing or immediately, if the delay occurs in the 5 days prior to the scheduled date. This notification shall also include the new date and time for testing, if set, or a separate notification shall be sent with this information when it is set.
- 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 30 days after the test results are compiled, but no later than 60 days after the date of testing or sampling. The Final Test Report shall include as a minimum:
- i. General information describing the test, including the name and identification of the emission source which was tested, date of 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, scrubbant flow rate, etc.), if any.
- g. Satisfactory completion of this testing so as to demonstrate compliance with applicable emission standards and permit conditions is a prerequisite to issuance of an operating permit.
- 17a. 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).
- (1) 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 Subpart 000 provided that the affected facility meets the criteria in paragraphs (a)(1)(i) and (ii) below:
 - (i) 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

- (ii) 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.
 - (2) 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.
- b. Pursuant to 40 CFR 60.674(c), except as specified in 40 CFR 60.674(d) or (e), the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 (40 CFR Part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR Part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 40 CFR 60.675(b) simultaneously with a Method 22 (40 CFR Part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of 40 CFR 60 Subpart 000. The revised visible emissions success level must be incorporated into the permit for the affected facility.
- 18a. 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.

19. 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.
20. 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.
- 21a. The Permittee shall maintain records of the following to demonstrate compliance with the conditions of this permit:
 - i. Records addressing use of good operating practices for the baghouses:
 - A. Records for periodic inspection of the baghouse with date, individual performing the inspection, and nature of inspection; and
 - B. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
 - ii. Total amount of material processed through the crushers (tons/month and tons/year);
 - iii. Total amount of material screened (tons/month and tons/year);
 - iv. Total amount of material transferred by conveyors (tons/month and tons/year);
 - v. Total amount of material processed through the dryer (tons/month and tons/year);
 - vi. Propane consumption of the dryer (gallons/month and gallons/year);
 - vii. Natural gas consumption of the dryer (mmscf/month and mmscf/year); and

- viii. Monthly and annual CO, NO_x, PM, PM₁₀, PM_{2.5}, SO₂, and VOM emissions from the source with supporting calculations (tons/month and tons/year).
 - b. 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 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.
- 22a. Pursuant to 40 CFR 60.7(a), 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:
- i. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.
 - ii. 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.
- b. Pursuant to 40 CFR 60.676(f), the owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 (40 CFR Part 60, Appendix A-4) to demonstrate compliance with 40 CFR 60.672(b), (e) and (f).
 - c. Pursuant to 40 CFR 60.676(h), the requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart 000.
 - d. Pursuant to 40 CFR 60.676(i)(1), a notification of the actual date of initial startup of each affected facility shall be submitted to the Illinois EPA or USEPA. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Illinois EPA or USEPA. The notification shall be postmarked within 15 days after such date and shall include a

description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

23. 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.
- 24a. 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 exceedance or deviation and efforts to reduce emissions and future occurrences.
- b. Two (2) copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5407 North University Street
Peoria, Illinois 61614

If you have any questions on this, please call Mike Dragovich at 217/785-1705.

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

Date Signed: _____

ECB:MJD:jws

cc: Region 2