

PROPOSED AIR POLLUTION CONTROL OPERATION PERMIT

EI FACILITY NO: 603110860

OPERATION PERMIT NO.: 603110860-P01

TYPE:

Operation Permit for Process(es): P01-P07, F01-F04, F10-F17, F20-F27, F32-F37
Operation Permit Action Type: Major Part 70

In compliance with the provisions of Chapter 285, Wis. Stats., and Chapters NR 400 to NR 499, Wis. Adm. Code,

Name of Source: Superior Silica Sands - Arland Plant

Street Address: 617 8th Avenue,
Clayton, Barron County, Wisconsin (**Dry Plant**)
819 7th Street,
Clayton, Barron County, Wisconsin (**Church Road Mine and Wet Plant**)
Town of Arland, Barron County, Wisconsin (**FLS and LP Mines and Wet Plants**)

Responsible Official, & Title: Richard Shearer, President and CEO

This operation permit expires on **[date will be inserted at the time of issuance]** [s. NR 407.09(1)(b)1., Wis. Adm. Code]. No permittee may continue operation of a source after the operation permit expires, unless the permittee submits a timely application for renewal of the permit. If a timely application for renewal has been submitted, the existing operation permit will not expire until the renewal application has been finally acted upon by DNR. [ss. 227.51(2), 285.62(8)(b), Wis. Stats. and NR 407.04(2), Wis. Adm. Code]. A renewal application must be submitted at least 6 months, but not more than 18 months, prior to the expiration date of the revised operation permit listed above [ss. 285.66(3)(a), Wis. Stats. and NR 407.04(2), Wis. Adm. Code].

Conditions of the construction permit marked with an asterisk (*) have been created outside of the Wisconsin's federally approved State Implementation Plan (SIP) and are not federally enforceable.

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Eau Claire, Wisconsin

PROPOSD

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By PROPOSED
Susan M. Lindem, Air Management Supervisor
West Central Region

PREAMBLE TO OPERATION PERMIT

An Asterisk (*) throughout this document denotes legal authority, limitations and conditions which are not federally enforceable [Section NR 407.09(3)(b), Wis. Adm. Code.].

The permit conditions in the Draft Permit resulting from the proposed project covered by construction permit 14-MHR-098 are shaded in gray and include construction permit number 14-MHR-098 in brackets [].

Historical Summary of Permits/Orders Issued to the Facility.

The following construction permits, orders, etc., will be adopted, under ss. 285.65(3), Wis. Stats., and NR 407.09(2)(d), Wis. Adm. Code, by Permit 603110860-P11 which then becomes the primary enforceable document: 14-MHR-069 and 15-MHR-064

Permit No.	Issued/Approved	Sources covered and desc. ¹	Permit status
14-MHR-069	December 8, 2014	Total Facility	Adopted by 15-MHR-064
15-MHR-064	June 29, 2016	F20-F26 and F32-F36	Expires December 30, 2017
603110860-P01	Proposed	Total Facility	Draft

¹ - Total Facility refers to all existing units at the facility at the time of issuance of the permit listed.

Stack and Process Index.

Process P01, Stack S01 – 120 MMBTU/hour Natural Gas-Fired Rotary Sand Dryer Rated at 500 tons/ hour
Process P02, Stack S02 – Dust Collection from Dryer and Screener Tower Building (located at dry plant)
Processes P03-P07, Stacks S03-S07 – Product Storage Silos (located at dry plant)
Fugitive Emission Source F01 – Five 200 ton/hr Truck Loadout Stations (located at dry plant) Loading of Trucks from Silos (located at dry plant)
Fugitive Emission Source F02 – Exterior Sand Conveyors & Bucket Elevators (located at the dry plant)
Fugitive Emission Source F03 – Storage and Truck Loading of Oversized Material (located at dry plant)
Fugitive Emission Source F04 – Paved Roads (located at dry plant)

Sources associated with Church Road Mine Site

Fugitive Emission Source F10 – Unpaved Roads (Backhoe Hauling of Mined Sand – Church Road Mine)
Fugitive Emission Source F11 – Unpaved Roads (Truck Hauling of Mined Sand – Church Road Mine)
Fugitive Emission Source F12 – Wet Plant Storage Piles (Church Road Mine)
Fugitive Emission Source F13 – Wet Plant Screening Operations (Church Road Mine)
Fugitive Emission Source F14 – Wet Sand Crusher (Church Road Mine)
Fugitive Emission Source F15 – Wet Plant Sand Handling Operations (Church Road Mine)
Fugitive Emission Source F16 – Unpaved Roads (Truck Hauling of Processed Wet Sand – Church Road Mine)
Fugitive Emission Source F17 – Unpaved Roads (Water Truck Traffic – Church Road)

Sources associated with FLS Mine Site

Fugitive Emission Source F20 – Wet Plant Sand Handling Operations (FLS Mine)
Fugitive Emission Source F21 – Wet Plant Screening Operations (FLS Mine)
Fugitive Emission Source F22 – Unpaved Roads (FLS Wet Plant)
Fugitive Emission Source F23 – Unpaved Roads (FLS Mine to FLS Wet Plant)
Fugitive Emission Source F24 – Wet Plant Processed Sand Storage Pile (FLS Mine)
Fugitive Emission Source F25 – Wet Sand Crusher (FLS Mine)
Fugitive Emission Source F26 – Drilling and Blasting (FLS Mine)
Fugitive Emission Source F27 – Unpaved Roads (Water Truck Traffic – FLS Mine)

Sources associated with LP Mine Site

Fugitive Emission Source F32 – Drilling and Blasting (LP Mine)
Fugitive Emission Source F33 – Wet Plant Sand Handling Operations (LP Mine)
Fugitive Emission Source F34 – Wet Plant Screening Operations (LP Mine)
Fugitive Emission Source F35 – Wet Plant Processed Sand Storage Pile (LP Mine)
Fugitive Emission Source F36 – Unpaved Roads (LP Mine)
Fugitive Emission Source F37 – Unpaved Roads (Water Truck Traffic – LP Mine)

Insignificant Emissions Units.

Maintenance of Grounds, Equipment, and Buildings (lawn care, painting, etc.)
Pollution Control Equipment Maintenance
Internal Combustion Engines Used for Warehousing and Material Transport
Fire Control Equipment
Janitorial Activities
Office Activities
Convenience Water Heating
Convenience Space Heating (< 5 million BTU/hr Burning Gas, Liquid, or Wood)
Purging of Natural Gas Lines
Sanitary Sewer and Plumbing Venting

Permit Shield. Unless precluded by the Administrator of the US EPA, compliance with all emission limitations in this operation permit is considered to be compliance with all emission limitations established under ss. 285.01 to 285.87, Wis. Stats., and emission limitations under the federal clean air act, that are applicable to the source if the permit includes the applicable limitation or if the Department determines that the emission limitations do not apply. The following emission limitations were reviewed in the analysis and preliminary determination and were determined not to apply to this stationary source: **None.**

Title I Conditions. The Wisconsin Department of Natural Resource issues Air Pollution Control Operation Permits for sources of air pollution, as required by chapter NR 407, Wis. Adm. Code, and Title V of the Clean Air Act (Act). In addition to implementing the operation permit program, operation permits usually contain "Title I Conditions", i.e., conditions established under the permit programs for new and modified emission units, pursuant to chapters NR 405, 406, and 408, Wis. Adm. Code, and Title I of the Act. This operation permit Title I conditions that were established in previously issued permits. The specific conditions in this operation permit that were established under Title I of the Act are identified by citation to the Title I permit number. Conditions that originated as Title I conditions may only be revised through appropriate Title I actions. Conditions revised concurrently with a revision or renewal of an operation permit are identified by citation to the original Title I permit number and are appended with the last three digits of operation permit number.

Part I - The headings for the areas in the permit are defined below. The legal authority for these limitations or methods follows them in [brackets].

Pollutant - This area will note which pollutant is being regulated by the permit.

Limitations - This area will list all applicable emission limitations that apply to the source, including case-by-case limitations such as Latest Available Control Techniques (LACT), Best Available Control Technology (BACT), or Lowest Achievable Emission Rate (LAER). It will also list any voluntary restrictions on hours of operation, raw material use, or production rate requested by the permittee to limit potential to emit.

Compliance Demonstration - The compliance demonstration methods outlined in this area may be used to demonstrate compliance with the associated emission limit or work practice standard listed under the corresponding **Limitations** column. The compliance demonstration area contains limits on parameters or other mechanisms that will be monitored periodically to ensure compliance with the limitations. The requirement to test as well as initial and periodic test schedules, if testing is required, will be stated here. Notwithstanding the compliance determination methods which the owner or operator of a sources is authorized to use under ch. NR 439, Wis. Adm. Code, the Department may use any relevant information or appropriate method to determine a source's compliance with applicable emission limitations.

Reference Test Methods, Recordkeeping, and Monitoring Requirements - Specific US EPA Reference test methods or other approved test methods will be contained in this area and are the methods that must be used whenever testing is required. A reference test method will be listed even if no testing is immediately required. Also included in this area are any recordkeeping requirements and their frequency and reporting requirements. Accuracy of monitoring equipment shall meet, at a minimum, the requirements of s. NR 439.055(3) and (4), Wis. Adm. Code, as specified in Part II of this permit.

Condition Type - This area will specify other conditions that are applicable to the entire facility that may not be tied to one specific pollutant.

Conditions - Specific conditions usually applicable to the entire facility or compliance requirements.

PART II - This section contains the general limitations that the permittee must abide by. These requirements are standard for most sources of air pollutants so they are included in this section with every permit.

Part I

A. Stack S01, Process P01, Control C01– One 120 mmBTU/hr natural gas or propane fired rotary dryer rated at 500 ton/hr, controlled with a baghouse (located at dry plant).		
1. Pollutant: Particulate matter		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from Stack S01 may not exceed each of the following:</p> <p>(a) 0.025 grains of particulate matter per dry standard cubic foot of exhaust gas,</p> <p>(b) 0.2 pounds of particulate matter per 1000 pounds of exhaust gas,</p> <p>(c) $17.31 * P^{0.16}$, where P = process weight rate (in tons per hour) [s. 285.65(13), Wis. Stats., 40 CFR s. 60.732(a); ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) The permittee may only fire natural gas or propane within Process P01. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) The permittee shall duct emissions generated by Process P01 to a baghouse (Control Device C01). [s. NR 406.10, Wis. Adm. Code, s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p> <p>(3) Control Device C01 shall be in line and operated at all times when Process P01 is in operation. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(4) A device capable of measuring the pressure drop across Control Device C01 shall be installed, calibrated, maintained, and operated properly. [s. NR 439.055(1)(a), Wis. Adm. Code., Permit # 14-MHR-069]</p> <p>(5) The pressure drop monitoring device must be certified by the manufacturer to be accurate within 5 percent of water column gauge pressure at the level of operation. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.734(d), s. NR 439.055(3)(b)-(c), Wis. Adm. Code; and Permit # 14-MHR-069]</p> <p>(6) The pressure drop across each fabric filter shall be maintained between 1-10 inches of</p>	<p>(1) <i>Reference Test Method for Particulate Matter Emissions:</i></p> <p>(a) Whenever compliance testing is required to demonstrate compliance with condition I.A.1.a.(1)(a), the permittee shall use Method 5 in 40 CFR part 60, Appendix A, to determine compliance¹. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm. [s. NR 439.06(1), Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR 60.736(b)(1), and Permit # 14-MHR-069]</p> <p>(b) Whenever particulate matter emission testing is required to demonstrate compliance with any condition I.A.1.a.(1)(b)-(c), the permittee shall use U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department. [s. NR 439.06(1), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall record the pressure drop across Control Device C01 once every 8 hours of operation or once per day the source is operated whichever yields the greater number of measurements. [s. NR 439.055(2) (b)1., Wis. Adm. Code., Permit # 14-MHR-069]</p> <p>(3) The permittee shall keep and maintain copies of the following records:</p> <p>(a) records specifying the fuels that Process P01 is physically capable of firing,</p> <p>(b) compliance emission testing results,</p>

¹ Note that s. NR 440.11(5), Wis. Adm. Code, requires concurrent opacity observations for the initial performance test.

A. Stack S01, Process P01, Control C01– One 120 mmBTU/hr natural gas or propane fired rotary dryer rated at 500 ton/hr, controlled with a baghouse (located at dry plant).		
1. Pollutant: Particulate matter		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>water column, or an alternate range approved by the department. [s. 285.65(3) , Wis. Stats., Permit # 14-MHR-069]</p> <p>(7) The permittee shall perform periodic inspections of Control Device C01 and perform maintenance and repairs as necessary. The interval between inspections may not exceed six (6) months. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p>	<p>(c) all inspections, checks and any maintenance or repairs performed on the baghouse system, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(4) The permittee shall maintain and implement a Malfunction Prevention and Abatement Plan for Control Device C01. The plan shall include the following:</p> <p>(a) installation, maintenance and routine calibration procedures for the control equipment instrumentation;</p> <p>(b) a requirement that instrumentation calibration shall take place at the frequency specified by the manufacturer but not less than once per year plus an inspection and/or calibration whenever instrumentation anomalies are noted;</p> <p>(c) a requirement that a copy of the operation and maintenance manual for the control equipment be maintained on site;</p> <p>(d) a maintenance schedule for the equipment based on the manufacturer's recommendations, but at intervals no less frequent than once per year;</p> <p>(e) a copy of the plan shall be kept at the plant; and</p> <p>(f) a definition of normal startup and shutdown. [s. NR 439.11, Wis. Adm. Code, Permit # 14-MHR-069]</p>

A. Stack S01, Process P01, Control C01– One 120 mmBTU/hr natural gas or propane fired rotary dryer rated at 500 ton/hr, controlled with a baghouse (located at dry plant).		
2. Pollutant: PM ₁₀ Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from Stack S01 may not exceed 5.1 pounds per hour.² [ss. 285.65(7) and (13), Wis. Stats., 40 CFR s. 60.732(a); ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p> <p><u>(2) Stack Parameters</u></p> <p>(a) The aboveground height of Stack S01 shall be at least 120 feet above ground level.</p> <p>(b) Stack S01 may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases.</p> <p>[s. 285.65(3), Wis. Stats., s. 406.10, Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>Note: These requirements are included because no increments or ambient air quality standards will be violated with these stack parameters.</p>	<p>(1) The permittee may only fire natural gas or propane within Process P01. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) Refer to I.A.1.b. for additional requirements.</p>	<p>(1) <i>Reference Test Method for PM₁₀ Emissions:</i> Whenever compliance emission testing is required to demonstrate compliance with condition condition I.A.2.a.(1) , the permittee shall use either of the following:</p> <p>(a) U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department., or</p> <p>(b) US EPA Method 201A, and US EPA Method 202 for condensible particulates, unless this method is determined by the department, in writing, to be technically infeasible for this stack.</p> <p>[s. NR 439.06(1)-(1m), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) Technical drawings, blueprints, or equivalent documents that demonstrate the aboveground height of Stack S01 shall be kept and maintained on site. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(3) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, 14-MHR-069]</p> <p>(4) Refer to I.A.1.c. for additional requirements.</p>

² Air quality modeling was conducted at 5.1 pounds per hour, a limit proposed by the permittee. At that emission rate, no violation of an ambient air quality standard was predicted and ensures the source can comply with the criteria for permit approval set forth in s. 285.63(1)(b), Wis. Stats.

A. Stack S01, Process P01, Control C01– One 120 mmBTU/hr natural gas or propane fired rotary dryer rated at 500 ton/hr, controlled with a baghouse (located at dry plant).		
3. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) The permittee may not cause or allow emissions of a shade or density greater than 10 percent opacity. [s. NR 431.05, Wis. Adm. Code, s. 285.65(13), Wis. Adm. Code, 40 CFR s. 60.732(b), and Permit # 14-MHR-069]	(1) Refer to I.A.1.b. for additional requirements.	<p>(1) <i>Reference Test Method for Visible Emissions:</i> Whenever compliance emission testing is required, US EPA Method 9 in 40 CFR part 60, Appendix A and the procedures in 40 CFR s. 60.11, shall be used to demonstrate compliance. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.736(b)(2), Permit # 12-MHR-157]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, 12-MHR-157]</p> <p>(3) Refer to I.A.1.c. for additional requirements.</p>

A. Stack S01, Process P01, Control C01– One 120 mmBTU/hr natural gas or propane fired rotary dryer rated at 500 ton/hr, controlled with a baghouse (located at dry plant).		
4. Pollutant: Carbon monoxide		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) Emissions may not exceed 0.342 pounds per million BTU of heat input. [s. 285.65(7), Wis. Stats., Permit # 14-MHR-069]	(1) The permittee may only fire natural gas or propane within Process P01. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]	<p>(1) <i>Reference Test Method for Carbon Monoxide Emissions:</i> Whenever compliance testing is required to demonstrate compliance with condition I.A.5.a.(1), the permittee shall use Method 10, 10A, or 10B in 40 CFR part 60, Appendix A, to determine compliance. [s. NR 439.06(4), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, 14-MHR-069]</p>

B. Stack S02, Process P02, Control C02– Dryer and Screener Building Dust Collection (located at dry plant)		
1. Pollutant: Particulate matter		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from Stack S02 may not exceed each of the following:</p> <p>(a) 0.014 grains of particulate matter per dry standard cubic foot of exhaust gas,</p> <p>(b) 0.2 pounds per 1000 pounds of exhaust gas,</p> <p>(c) $17.31 * P^{0.16}$, where P = process weight rate (in tons per hour) [s. 285.65 and (13), Wis. Stats., 40 CFR s. 60.672(a), ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) The permittee shall duct emissions generated by Process P02 to a dust collector (Control Device C02). [s. NR 406.10, Wis. Adm. Code, s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p> <p>(2) Control Device C02 shall be in line and operated at all times when Process P02 is in operation. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(3) Instrumentation to monitor the pressure drop across Control Device C02 shall be installed and operated properly. [s. 439.055(1)(e), Wis. Adm. Code; and Permit # 14-MHR-069]</p> <p>(4) The permittee shall measure and record the pressure drop across Control Device C02 once every 8 hours of operation or once per day, whichever yields the greater number of measurements. [s. NR 439.055(2)(b), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(5) The pressure drop across Control Device C02 shall be maintained between 1-10 inches of water column, or an alternate range approved by the department. [ss. 285.63(1)(b), 285.65(3) & (7), Wis. Stats., Permit # 14-MHR-069]</p> <p>(6) The permittee shall perform periodic inspections of Control Device C02 and perform maintenance and repairs as necessary. The interval between inspections may not exceed six (6) months. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p>	<p>(1) <i>Reference Test Method for Particulate Matter Emissions:</i></p> <p>(a) Whenever compliance emission testing is required to demonstrate compliance with condition I.B.1.a.(1)(a), the permittee shall use U.S. EPA Method 5 or 17 to demonstrate compliance. The sampling volume for each test run shall be at least 1.70 dscm (60 dscf).</p> <p>(b) Whenever particulate matter emission testing is required to demonstrate compliance with any condition I.B.1.a.(1)(b)-(c), the permittee shall use U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(1), s. NR 439.06(1), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall record the pressure drop across Control Device C02 once every 8 hours of operation or once per day the source is operated whichever yields the greater number of measurements. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The permittee shall keep and maintain copies of the following records:</p> <p>(a) compliance emission testing results,</p> <p>(b) all inspections, checks and any maintenance or repairs performed on Control Device C02, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p>

B. Stack S02, Process P02, Control C02– Dryer and Screener Building Dust Collection (located at dry plant)		
2. Pollutant: PM₁₀ emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from Stack S02 may not exceed 1.54 pounds per hour.³</p> <p>[ss. 285.65(7) and (13), Wis. Stats., 40 CFR s. 60.672(a), ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p> <p><u>(2) Stack Parameters</u></p> <p>(a) The aboveground height of Stack S02 shall be at least 110 feet above ground level.</p> <p>(b) Stack S02 may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases.</p> <p>[s. 285.65(3), Wis. Stats., s. 406.10, Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>Note: These requirements are included because no increments or ambient air quality standards will be violated with these stack parameters.</p>	<p>(1) Refer to 1.b. for additional requirements.</p>	<p>(1) <i>Reference Test Method for PM₁₀ Emissions:</i> Whenever compliance emission testing is required to demonstrate compliance with any condition I.B.2.a.(1), the permittee shall use either of the following:</p> <p>(a) U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department., or</p> <p>(b) US EPA Method 201A, and US EPA Method 202 for condensible particulates, unless an alternative or equivalent method is approved in writing by the department.</p> <p>[s. NR 439.06(1)-(1m), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) Technical drawings, blueprints, or equivalent documents that demonstrate the aboveground height of Stack S02 shall be kept and maintained on site. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(3) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, 14-MHR-069]</p> <p>(4) Refer to 1.c. for additional requirements.</p>

³ Air quality modeling was conducted at 1.54 pounds per hour, a limit proposed by the permittee. At that emission rate, no violation of an ambient air quality standard was predicted and ensures the source can comply with the criteria for permit approval set forth in s. 285.63(1)(b), Wis. Stats.

B. Stack S02, Process P02, Control C02– Dryer and Screener Building Dust Collection (located at dry plant)		
3. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(a), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) Refer to 1.b. for additional requirements.</p> <p>(2) The permittee shall 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 each Control Device C03-C07 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 filter device to normal operation. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.674(c), and 14-MHR-069]</p>	<p>(1) <u>Reference Test Method for Visible Emissions</u>: Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.</p> <p>[s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(2), Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of the following:</p> <p>(a) compliance emission testing results.</p> <p>(b) 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 s. 60.676(b).</p> <p>[s. 285.65(13), Wis. Stats., 40 CFR s 60.674(c), s. NR 439.04(1)(d), Wis. Adm. Code, Permit #14-MHR-069]</p>

C. Stacks S03-S07, Processes P03-P07, Control Devices C03-C07 – Five Sand Storage Silos. Silos are controlled with individual bin vent filters (located at dry plant)		
1. Pollutant: Particulate Matter		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from each Stack S03 – S07 may not exceed each of the following:</p> <p>(a) 0.014 grains of particulate matter per dry standard cubic foot of exhaust gas,</p> <p>(b) 0.2 pounds per 1000 pounds of exhaust gas,</p> <p>(c) $17.31 * P^{0.16}$, where P = process weight rate (in tons per hour)</p> <p>[s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(a), ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) The permittee shall duct emissions generated by each Process P03-P07 that comprise to bin vent filters (Control Devices C03-C07, respectively). [s. NR 406.10, Wis. Adm. Code, s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p> <p>(2) Each Control Device C03-C07 shall be in line and operated at all times when any Process P03-P07 is in operation. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(3) Instrumentation to monitor the pressure drop across each Control Device C03-C07 shall be installed and operated properly. [s. 439.055(1)(e), Wis. Adm. Code; and Permit # 15-MHR-064]</p> <p>(4) The permittee shall measure and record the pressure drop across each Control Device C03-C07 once every 8 hours of operation or once per day, whichever yields the greater number of measurements. [s. NR 439.055(2)(b), Wis. Adm. Code, Permit # 15-MHR-064]</p> <p>(5) The pressure drop across each Control Device C03-C07 shall be maintained between 1-6 inches of water column, or an alternate range approved by the department. [ss. 285.63(1)(b), 285.65(3) & (7), Wis. Stats., Permit # 15-MHR-064]</p> <p>(6) The permittee shall perform periodic inspections of each Control Device C03-C07 and perform maintenance and repairs as necessary. The interval between inspections</p>	<p>(1) <i>Reference Test Method for Particulate Matter Emissions:</i></p> <p>(a) Whenever compliance emission testing is required to demonstrate compliance with condition I.C.1.a.(1)(a), the permittee shall use U.S. EPA Method 5 or 17 to demonstrate compliance. The sampling volume for each test run shall be at least 1.70 dscm (60 dscf).</p> <p>(b) Whenever particulate matter emission testing to demonstrate compliance with any condition I.C.1.a.(1)(b)-(c), the permittee shall use U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department.</p> <p>[s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(1) s. NR 439.06(1), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall record the pressure drop across each Control Device C03-C07 once every 8 hours of operation or once per day the source is operated whichever yields the greater number of measurements. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 15-MHR-064]</p> <p>(3) The permittee shall keep and maintain copies of all inspections, checks and any maintenance or repairs performed on each Control Device C03-C07, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 15-MHR-064]</p>

C. Stacks S03-S07, Processes P03-P07, Control Devices C03-C07 – Five Sand Storage Silos. Silos are controlled with individual bin vent filters (located at dry plant)		
1. Pollutant: Particulate Matter		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	may not exceed six (6) months. [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]	

C. Stacks S03-S07, Processes P03-P07, Control Devices C03-C07 – Five Sand Storage Silos. Silos are controlled with individual bin vent filters (located at dry plant)		
2. Pollutant: PM₁₀ emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions from each Stack S03-S07 may not exceed 0.004 pounds per hour.⁴ [ss. 285.65(7) and (13), Wis. Stats., 40 CFR s. 60.672(a), ss. NR 415.05(1)(m) & (2), and 404.08(2), Wis. Adm. Code; and Permit # 14-MHR-069]</p> <p>(2) <u>Stack Parameters</u> The aboveground height of each Stack S03-S07 shall be at least 96 feet above ground level.</p> <p>[s. 285.65(3), Wis. Stats., s. 406.10, Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>Note: These requirements are included because no increments or ambient air quality standards will be violated with these stack parameters.</p>	<p>(1) Refer to 1.b. for additional requirements.</p>	<p>(1) <i>Reference Test Method for PM₁₀ Emissions:</i> Whenever compliance emission testing is required to demonstrate compliance with condition I.C.2.a.(1), the permittee shall use either of the following:</p> <p>(a) U.S. EPA Method 5, including condensible backhalf emissions (U.S. EPA Method 202), unless an alternative or equivalent method is approved in writing by the department., or</p> <p>(b) US EPA Method 201A, and US EPA Method 202 for condensible particulates, unless an alternative or equivalent method is approved in writing by the department.</p> <p>[s. NR 439.06(1)-(1m), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) Technical drawings, blueprints, or equivalent documents that demonstrate the aboveground height of each Stack S03-S07 shall be kept and maintained on site. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069 and 15-MHR-064]</p> <p>(3) The permittee shall keep and maintain copies of</p>

⁴ Air quality modeling was conducted at 0.004 pounds per hour, a limit proposed by the permittee. At that emission rate, no violation of an ambient air quality standard was predicted and ensures the source can comply with the criteria for permit approval set forth in s. 285.63(1)(b), Wis. Stats.

C. Stacks S03-S07, Processes P03-P07, Control Devices C03-C07 – Five Sand Storage Silos. Silos are controlled with individual bin vent filters (located at dry plant)		
2. Pollutant: PM₁₀ emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
		compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, 14-MHR-069] (4) Refer to 1.c. for additional requirements.

C. Stacks S03-S07, Processes P03-P07, Control Devices C03-C07 – Five Sand Storage Silos. Silos are controlled with individual bin vent filters (located at dry plant)		
3. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(a), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]	(1) Refer to 1.b. for additional requirements. (2) The permittee shall 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 each Control Device C03-C07 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 filter device to normal operation. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.674(c), and 14-MHR-069]	(1) <u>Reference Test Method for Visible Emissions</u> : Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance: (a) The minimum distance between the observer and the emission source shall be 15 feet. (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(2), Permit # 14-MHR-069] (2) The permittee shall keep and maintain copies of the following: (a) compliance emission testing results. (b) 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 s. 60.676(b). [s. 285.65(13), Wis. Stats., 40 CFR s 60.674(c), s. NR 439.04(1)(d), Wis. Adm. Code, Permits 14-MHR-069] (3) Refer to 1.c. for additional requirements.

D. Fugitive Emission Source F01 – Five 200 ton/hr Truck Loadout Stations (located at dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements to demonstrate compliance with condition I.D.1.a.(1):</p> <p>(a) Load trucks using retractable spouts.</p> <p>(b) After loading product to a truck or railcar, that truck bed or railcar shall be covered with a sealed top. Any trucks or railcars not equipped with sealed tops shall be covered using properly secured tarps or similar devices.</p> <p>(c) Conducting daily observations of the exterior sand conveyors and bucket elevators, and adding water, calcium chloride, or other acceptable and approved dust suppressant whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(d) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(e) During each day that the fugitive emission source operates, equipment and enclosures shall be inspected for physical integrity. Any equipment or seal leaks shall be repaired as soon as practicable and not later than 48 hours after being identified.</p> <p>(f) Vehicles shall be loaded to prevent their</p>	<p>(1) The permittee shall keep records of all inspections, checks, and any maintenance or repairs performed on each filter-style dust collector, and daily records of all precautions taken to prevent fugitive dust. [ss. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain the following records:</p> <p>(a) Listing of materials, equipment and spare parts that will be maintained in inventory.</p> <p>(b) Results of daily observations and follow-up observations, and the person who performed the observations, including the date. A record shall be maintained indicating the certification status of the person who performed the observations.</p> <p>(c) Daily records of all precautions taken to prevent fugitive dust.</p> <p>(d) Results of each inspection conducted, per Condition 1.b.(1)(e), including the date.</p> <p>(e) Each repair and corrective action conducted on any equipment or enclosure, including the date and specific equipment on which the repair or corrective action was conducted.</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p>

D. Fugitive Emission Source F01 – Five 200 ton/hr Truck Loadout Stations (located at dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>contents from dropping, leaking, blowing, or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within six (6) inches of the top of any side board, side panel, or tail gate. Otherwise, the haul trucks shall be covered, treated, secured, to prevent the escape of materials likely to become airborne during transport, prior to any transportation off site.</p> <p>[ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

D. Fugitive Emission Source F01 – Five 200 ton/hr Truck Loadout Stations (located at dry plant)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) Refer to 1.b. for additional requirements.</p> <p>(2) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5. [s. 285.65(13), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit # 14-MHR-069]</p>	<p>(1) <u>Reference Test Method for Visible Emissions</u>: Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(2), Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of the compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) Refer to 1.c. for additional requirements.</p>

E. Fugitive Emission Source F02 – Exterior Sand Conveyors & Bucket Elevators (located at dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may a person allow a structure, a parking lot, or a road to be used, constructed, altered, or repaired without taking such precautions. [s. NR 415.04, Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee may not cause, allow or permit any sand conveyor or bucket elevator, to be used without taking precautions to prevent particulate matter from becoming airborne. [s. NR 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements to demonstrate compliance with condition I.E.1.a.(1):</p> <p>(a) The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve.</p> <p>(b) Installation and use of hoods, enclosures, buildings, fans and air cleaning devices to enclose and vent the areas where materials are handled.</p> <p>(c) Conducting daily observations of the exterior sand conveyors and bucket elevators, and adding water or another dust suppressants whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(d) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(e) During each day that the fugitive emission source operates, equipment and enclosures shall be for physical integrity. Any equipment or seal leaks shall be repaired as soon as practicable and not later than 48 hours after being identified.</p>	<p>(1) The permittee shall keep and maintain the following records:</p> <p>(a) Listing of materials, equipment and spare parts that will be maintained in inventory.</p> <p>(b) Results of daily observations and follow-up observations, including the date. A record shall be maintained indicating the certification status of the person who performed the observations.</p> <p>(c) Daily records of all precautions taken to prevent fugitive dust.</p> <p>(d) Results of each inspection conducted, per Condition 1.b.(1)(e), including the date.</p> <p>(e) Each repair and corrective action conducted on any equipment or enclosure, including the date and specific equipment on which the repair or corrective action was conducted.</p> <p>[ss. NR 415.075(6) and NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p>

E. Fugitive Emission Source F02 – Exterior Sand Conveyors & Bucket Elevators (located at dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>[ss. NR 415.04 and 415.076(2), Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

E. Fugitive Emission Source F02 – Exterior Sand Conveyors & Bucket Elevators (located at dry plant)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) The permittee shall conduct compliance emission testing to demonstrate compliance with the emission limit specified in 2.a.(1) at the times specified below:</p> <p>(a) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.6, and</p> <p>(b) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5.</p> <p>[s. 285.65(3), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit #s 14-MHR-069 and 15-MHR-064]</p>	<p>(1) <u>Reference Test Method for Visible Emissions</u>: Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.</p> <p>[s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(c)(1), Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

F. Fugitive Emission Source F03 – Storage and Truck Loading of Oversized Material (located at the dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may the permittee allow a structure, a parking lot, or a road to be used, constructed, altered, or repaired, without taking such precautions. [ss. NR 415.075(2)(a), and 415.04 Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements to demonstrate compliance with condition I.F.1.a.(1):</p> <p>(a) Minimizing the drop distance when placing sand into the storage bin or onto a truck by optimizing mobile equipment usage techniques.</p> <p>(b) Conducting daily observations of the storage bin, and adding water or another dust suppressants to that pile whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(c) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(d) Encrusting agents approved by the department may be used on the storage bin intended for long term storage or inactivity.</p> <p>(e) During each day that the fugitive emission source operates, equipment and enclosures shall be inspected for physical integrity. Any equipment or seal leaks shall be repaired as soon as practicable and not later than 48 hours after being identified.</p> <p>(f) Vehicles shall be loaded to prevent their</p>	<p>(1) The permittee shall keep and maintain the following for Fugitive Emission Source F03:</p> <p>(a) Results of daily observations and follow-up observations, including the date. A record shall be maintained indicating the certification status of the person who performed the observations.</p> <p>(b) Daily records of all precautions taken to prevent fugitive dust.</p> <p>(c) Results of each inspection conducted, per Condition 1.b.(1)(e), including the date.</p> <p>(d) Each repair and corrective action conducted on any equipment or enclosure including the date and specific equipment on which the repair or corrective action was conducted..</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p>

F. Fugitive Emission Source F03 – Storage and Truck Loading of Oversized Material (located at the dry plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>contents from dropping, leaking, blowing, or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within six (6) inches of the top of any side board, side panel, or tail gate. Otherwise, the haul trucks shall be covered, treated, secured, to prevent the escape of materials likely to become airborne during transport, prior to any transportation off site.</p> <p>[ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

F. Fugitive Emission Source F03 – Storage and Truck Loading of Oversized Material (located at the dry plant)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) Refer to 1.b. for additional requirements.</p> <p>(2) The permittee shall conduct compliance emission testing to demonstrate compliance with the emission limit specified in 2.a.(1) at the times specified below:</p> <p>(a) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.5. and</p> <p>(b) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5. [s. 285.65(3), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit #s 14-MHR-069 and 15-MHR-064]</p>	<p>(1) <u>Reference Test Method for Visible Emissions</u>: Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(c)(1), Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

G. Fugitive Emission Source F04 – Paved Roads (Dry Plant)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) In addition to meeting the requirements in (1), the permittee shall control fugitive emissions from paved roads and other paved areas used by haul trucks so that visible emissions do not exceed 20 percent opacity at the source. [s. 415.075(2)(b), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) Fugitive Dust Preventative Measures In addition to the precautions specified in I.ZZZ.3.b.(2) and II.C.2., the permittee shall meet the following requirements to demonstrate compliance with condition I.G.1.a.(1):</p> <p>(a) Equipment to sweep paved roads and other paved areas shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(b) Sweep paved roads and other paved areas used by haul trucks inside the facility's property boundaries daily to prevent particulate matter from becoming airborne. After sweeping, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(c) Posting and maintenance of 10 MPH speed limit on paved roads and paved areas used by haul trucks inside the facility's property boundaries.</p> <p>(d) Clean up spillage on paved roads, and other paved areas used by haul trucks inside the facility's property boundaries immediately. [ss. NR 415.076(2) and 415.04(1), Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) An onsite fugitive dust observer shall make a visible emission observation at least once per day. The results of all observations shall be recorded and maintained at the facility for at least five (5) years. [s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p>	<p>(1) For Fugitive Emission Source F14, the permittee shall keep and maintain the following records:</p> <p>(a) results of daily observations and follow-up observations required under 1.b.</p> <p>(b) daily records of all precautions taken to prevent fugitive dust.</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code, 14-MHR-069]</p>

- H. Fugitive Emission Source F13 – Wet Plant Screening Operations (Church Road Mine, 520 ton/hour capacity)**
I. Fugitive Emission Source F15 – Wet Plant Sand Handling Operations (Church Road Mine, 520 ton/hour capacity)
J. Fugitive Emission Source F20 – Wet Plant Sand Handling Operations (FLS Mine, 500 ton/hour capacity)
K. Fugitive Emission Source F21 – Wet Plant Portable Screen (FLS Mine, 500 ton/hour capacity)
L. Fugitive Emission Source F33 – Wet Plant Sand Handling Operations (LP Mine, 350 ton/hour capacity)
M. Fugitive Emission Source F34 – Wet Plant Portable Screen (LP Mine, 350 ton/hr capacity)

1. Pollutant: Particulate Matter Emissions

a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may a person allow a structure, a parking lot, or a road to be used, constructed, altered, or repaired without taking such precautions. [s. NR 415.04 Wis. Adm. Code, Permit #s 12-MHR-157, 13-MHR-103, 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements to demonstrate compliance with condition I.H-M.1.a.(1):</p> <p>(a) The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve.</p> <p>(b) Installation and use of hoods, enclosures, buildings, fans and air cleaning devices to enclose and vent the areas where materials are handled.</p> <p>(c) Conducting daily observations of the exterior sand conveyors and bucket elevators, and adding water or another dust suppressant whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(d) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(e) During each day that the fugitive emission</p>	<p>(1) The permittee shall keep and maintain the following records:</p> <p>(a) Listing of materials, equipment and spare parts that will be maintained in inventory.</p> <p>(b) Results of daily observations and follow-up observations, including the date. A record shall be maintained indicating the certification status of the person who performed the observations.</p> <p>(c) Daily records of all precautions taken to prevent fugitive dust.</p> <p>(d) Results of each inspection conducted, per Condition 1.b.(1)(e), including the date.</p> <p>(e) Each repair and corrective action conducted on any equipment or enclosure, including the date and specific equipment on which the repair or corrective action was conducted.</p> <p>[ss. NR 415.075(6) and NR 439.04(1)(d), Wis. Adm. Code, Permit #s 12-MHR-157, 13-MHR-103, 13-MHR-207, 14-MHR-069]</p>

- H. Fugitive Emission Source F13 – Wet Plant Screening Operations (Church Road Mine, 520 ton/hour capacity)**
I. Fugitive Emission Source F15 – Wet Plant Sand Handling Operations (Church Road Mine, 520 ton/hour capacity)
J. Fugitive Emission Source F20 – Wet Plant Sand Handling Operations (FLS Mine, 500 ton/hour capacity)
K. Fugitive Emission Source F21 – Wet Plant Portable Screen (FLS Mine, 500 ton/hour capacity)
L. Fugitive Emission Source F33 – Wet Plant Sand Handling Operations (LP Mine, 350 ton/hour capacity)
M. Fugitive Emission Source F34 – Wet Plant Portable Screen (LP Mine, 350 ton/hr capacity)

1. Pollutant: Particulate Matter Emissions

a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>source operates, equipment and enclosures shall be inspected for physical integrity. Any equipment or seal leaks shall be repaired as soon as practicable and not later than 48 hours after being identified.</p> <p>[s. NR 415.04, Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit #s 12-MHR-157, 13-MHR-103, 13-MHR-207, 14-MHR-069]</p> <p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit #s 13-MHR-207 and 14-MHR-069]</p>	

H. Fugitive Emission Source F13 – Wet Plant Screening Operations (Church Road Mine, 520 ton/hour capacity) I. Fugitive Emission Source F15 – Wet Plant Sand Handling Operations (Church Road Mine, 520 ton/hour capacity) J. Fugitive Emission Source F20 – Wet Plant Sand Handling Operations (FLS Mine, 500 ton/hour capacity) K. Fugitive Emission Source F21 – Wet Plant Portable Screen (FLS Mine, 500 ton/hour capacity) L. Fugitive Emission Source F33 – Wet Plant Sand Handling Operations (LP Mine, 350 ton/hour capacity) M. Fugitive Emission Source F34 – Wet Plant Portable Screen (LP Mine, 350 ton/hr capacity)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit #s 12-MHR-157-R1, 13-MHR-103, and 14-MHR-069]	<p>(1) The permittee shall conduct compliance emission testing on each Fugitive Emission Source F13, F15, F20, F21, F33, and F34 to demonstrate compliance with the emission limit specified in 2.a.(1) at the times specified below:</p> <p>(a) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.5. and</p> <p>(b) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5. [s. 285.65(3), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit #s 12-MHR-157-R1 13-MHR-103, 14-MHR-069, and 15-MHR-064]</p>	<p>(1) <u>Reference Test Method for Visible Emissions</u>: Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(2), Permit #s 12-MHR-157, 12-MHR-157-R1, 14-MHR-069, and 15-MHR-064]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 12-MHR-157-R1, 13-MHR-103, 14-MHR-069, and 15-MHR-064]</p>

N. Fugitive Emission Source F10 – Unpaved Roads (Backhoe Hauling of Mined Sand – Church Road Mine) O. Fugitive Emission Source F11 – Unpaved Roads (Truck Hauling of Mined Sand – Church Road Mine) P. Fugitive Emission Source F16 – Unpaved Roads (Truck Hauling of Processed Wet Sand – Church Road Mine) Q. Fugitive Emission Source F17 – Unpaved Roads (Water Truck Traffic – Church Road) R. Fugitive Emission Source F22 – Unpaved Roads (FLS Wet Plant) S. Fugitive Emission Source F23 – Unpaved Roads (FLS Mine to FLS Wet Plant) T. Fugitive Emission Source F27 – Unpaved Roads (Water Truck Traffic – FLS Mine) U. Fugitive Emission Source F36 – Unpaved Roads (LP Mine) V. Fugitive Emission Source F37 – Unpaved Roads (Water Truck Traffic – LP Mine)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. [s. NR 415.04 Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) In addition to meeting the requirements in (1), the permittee shall control fugitive emissions from unpaved roads and other unpaved areas used by haul trucks so that visible emissions do not exceed 20 percent opacity at the source. [s. 415.075(2)(b) Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(2) and II.C.2., the permittee shall meet the following requirements:</p> <p>(a) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(b) The permittee shall apply water or another suppressant shall be applied to the active unpaved roads daily to prevent fugitive dust emissions, unless the permittee documents site and meteorological conditions which prevent particulate matter from becoming airborne. Whenever fugitive dust is observed, water or another suppressant shall be applied to the active haul roads to control emissions. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(c) Clean up material spillage on unpaved roads and other unpaved areas used by haul trucks inside the facility's property boundaries immediately.</p> <p>(d) Posting and maintenance of a 10 MPH</p>	<p>(1) The permittee shall keep and maintain the following for Fugitive Emission Sources F10, F11, F16, F17, F22, F23, F27, F36, and F37:</p> <p>(a) results of daily visible emissions observations and follow-up observations required under 1.b.</p> <p>(b) daily records of all precautions taken to prevent fugitive dust, and</p> <p>(c) dates when unpaved roads were not watered and records of the site and meteorological conditions for each of those days.</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code, Permit #s 14-MHR-069 and 15-MHR-064]</p>

- N. Fugitive Emission Source F10 – Unpaved Roads (Backhoe Hauling of Mined Sand – Church Road Mine)**
O. Fugitive Emission Source F11 – Unpaved Roads (Truck Hauling of Mined Sand – Church Road Mine)
P. Fugitive Emission Source F16 – Unpaved Roads (Truck Hauling of Processed Wet Sand – Church Road Mine)
Q. Fugitive Emission Source F17 – Unpaved Roads (Water Truck Traffic – Church Road)
R. Fugitive Emission Source F22 – Unpaved Roads (FLS Wet Plant)
S. Fugitive Emission Source F23 – Unpaved Roads (FLS Mine to FLS Wet Plant)
T. Fugitive Emission Source F27 – Unpaved Roads (Water Truck Traffic – FLS Mine)
U. Fugitive Emission Source F36 – Unpaved Roads (LP Mine)
V. Fugitive Emission Source F37 – Unpaved Roads (Water Truck Traffic – LP Mine)

1. Pollutant: Particulate Matter Emissions

a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>speed limit on unpaved roads, and other unpaved areas used by haul trucks inside the facility's property boundaries.</p> <p>[ss. NR 415.04(1) and 415.075(2)(a), Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(2) An onsite fugitive dust observer shall make an observation of each Fugitive Emission Source F10, F11, F16, F22, F23, and F36 at least once per day. The results of all observations shall be recorded and maintained at the facility for at least five (5) years. [s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p>	

W. Fugitive Emission Source F12 – Wet Plant Storage Piles (Church Road Mine)
X. Fugitive Emission Source F24 – Wet Plant Processed Sand Storage Pile (FLS Mine)
Y. Fugitive Emission Source F35 – Wet Plant Processed Sand Storage Pile (LP Mine)

1. Pollutant: Particulate Matter Emissions

a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may the permittee allow a structure, a parking lot, or a road to be used, constructed, altered, or repaired, without taking such precautions. [ss. NR 415.075(2)(a), and 415.04 Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements:</p> <p>(a) Minimizing the drop distance when placing sand onto a stockpile by optimizing mobile equipment usage techniques.</p> <p>(b) Conducting daily observations of the temporary outdoor sand pile, and adding water or another dust suppressants to that pile whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(c) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(d) Encrusting agents approved by the department may be used on any outdoor sand pile intended for long term storage or inactivity.</p> <p>[ss. NR 415.04(1) and 415.075(2)(a)., Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p>	<p>(1) The permittee shall keep and maintain the following for each Fugitive Emission Source F12, F24, and F35:</p> <p>(a) results of daily observations and follow-up observations required under 1.b.</p> <p>(b) daily records of all precautions taken to prevent fugitive dust, and</p> <p>(c) records of the site or meteorological conditions that include precipitation amounts, wind speeds, and outside air temperatures, for each day when water was not added to the temporary outdoor sand pile. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

W. Fugitive Emission Source F12 – Wet Plant Storage Piles (Church Road Mine) X. Fugitive Emission Source F24 – Wet Plant Processed Sand Storage Pile (FLS Mine) Y. Fugitive Emission Source F35 – Wet Plant Processed Sand Storage Pile (LP Mine)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions. [s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]	

W. Fugitive Emission Source F12 – Wet Plant Storage Piles (Church Road Mine) X. Fugitive Emission Source F24 – Wet Plant Processed Sand Storage Pile (FLS Mine) Y. Fugitive Emission Source F35 – Wet Plant Processed Sand Storage Pile (LP Mine)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) Emissions may not exceed 7 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]	(1) The permittee shall conduct compliance emission testing on each Fugitive Emission Source F12, F24 and F35 to demonstrate compliance with the emission limit specified in 2.a.(1) at the times specified below: (a) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.5. and (b) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5. [s. 285.65(3), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit #s 14-MHR-069 and 15-MHR-064]	(1) <u>Reference Test Method for Visible Emissions</u> : Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance: (a) The minimum distance between the observer and the emission source shall be 15 feet. (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, 40 CFR s. 60.675(c)(1), s. 285.65(13), Wis. Stats., Permit # 14-MHR-069] (2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]

Z. Fugitive Emission Source F14 – Wet Sand Crusher (Church Road Mine, 520 ton/hour capacity)		
AA. Fugitive Emission Source F25 – Wet Sand Crusher (FLS Mine, 500 ton/hr capacity)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit any crusher, screen, bucket elevator, belt conveyor, storage bin or any transfer point on belt conveyors to be used without taking precautions to prevent particulate matter from becoming airborne. [s. NR 415.076(2), Wis. Adm. Code, permit 14-MHR-069]</p>	<p>(1) <u>Fugitive Dust Preventative Measures</u> In addition to the precautions specified in I.ZZZ.3.b.(3) and II.C.2., the permittee shall meet the following requirements:</p> <p>(a) The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve.</p> <p>(b) Installation and use of hoods, enclosures, buildings, fans and air cleaning devices to enclose and vent the areas where materials are handled.</p> <p>(c) Conducting daily observations of the exterior sand conveyors and bucket elevators, and adding water or another dust suppressants whenever fugitive dust is observed to prevent particulate matter from becoming airborne, provided such application does not create a hydrocarbon, odor or water pollution problem. After application, a follow-up observation shall be performed to ensure the effectiveness of the control measures.</p> <p>(d) Equipment to apply water or dust suppressants shall be available at the facility, or on call for use at the site within a given operating day.</p> <p>(e) During each day that the fugitive emission source operates, equipment and enclosures shall be inspected for physical integrity. Any equipment or seal leaks shall be repaired as soon as practicable and not later than 48 hours after being identified.</p> <p>[s. NR 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) The permittee shall keep and maintain the following records:</p> <p>(a) Listing of materials, equipment and spare parts that will be maintained in inventory.</p> <p>(b) Results of daily observations and follow-up observations, including the date. A record shall be maintained indicating the certification status of the person who performed the observations.</p> <p>(c) Daily records of all precautions taken to prevent fugitive dust.</p> <p>(d) Results of each inspection conducted, per Condition 1.b.(1)(e), including the date.</p> <p>(e) Each repair and corrective action conducted on any equipment or enclosure, including the date and specific equipment on which the repair or corrective action was conducted.</p> <p>[ss. NR 415.075(6) and NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

Z. Fugitive Emission Source F14 – Wet Sand Crusher (Church Road Mine, 520 ton/hour capacity)		
AA. Fugitive Emission Source F25 – Wet Sand Crusher (FLS Mine, 500 ton/hr capacity)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>(2) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

Z. Fugitive Emission Source F14 – Wet Sand Crusher (Church Road Mine, 520 ton/hour capacity) AA. Fugitive Emission Source F25 – Wet Sand Crusher (FLS Mine, 500 ton/hr capacity)		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Emissions may not exceed 12 percent opacity. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.672(b), s. 431.05, Wis. Adm. Code; and Permit # 14-MHR-069]</p>	<p>(1) Refer to 1.b. for additional requirements.</p> <p>(2) The permittee shall conduct compliance emission testing on each Fugitive Emission Source F14 and F25 to demonstrate compliance with the emission limit specified in 2.a.(1) at the times specified below:</p> <p>(a) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.5.</p> <p>and</p> <p>(b) The permittee shall conduct a repeat opacity test within 5 years from the date of the previous test, as specified in I.ZZZ.5. [s. 285.65(3), Wis. Stats., 40 CFR ss. 60.8(a) and 60.672(b), and Permit #s 14-MHR-069 and 15-MHR-064]</p> <p>(3) The compliance test required in 2.b.(2) above shall be repeated once every five years. [s. 285.65(13), Wis. Stats., 40 CFR s. 60.675, Permit # 14-MHR-069]</p>	<p>(1)) <u>Reference Test Method for Visible Emissions:</u> Whenever visible emission testing is required, the permittee shall use U.S. EPA Method 9, with the following additions, to demonstrate compliance:</p> <p>(a) The minimum distance between the observer and the emission source shall be 15 feet.</p> <p>(b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed. [s. NR 439.06(9)(a)1., Wis. Adm. Code, s. 285.65(13), Wis. Stats., 40 CFR s. 60.675(b)(2), Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

BB. Fugitive Emission Source F26 – Drilling and Blasting (FLS Mine) CC. Fugitive Emission Source F32 – Drilling and Blasting (LP Mine)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause, allow or permit the use of any parking lot, road or other area by haul trucks or any drilling or blasting without taking precautions to prevent particulate matter from becoming airborne. [ss. NR 415.075(2)(a), and 415.04 , Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) In addition to meeting the requirements in (1), the permittee shall control fugitive emissions from drilling activities so that visible emissions do not exceed 20 percent opacity at the source. [ss. 415.075(2)(b) and 415.04, Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) Precautions shall be taken to the extent necessary so that any applicable requirements are met and shall include the following:</p> <p>(a) Using blast hole stemming materials that have been approved by the department or the Wisconsin Department of Safety and Professional Services when blasting.</p> <p>(b) All drilling activities shall be performed using a wet method, vacuum dust collection, or no precautions when unnecessary due to meteorological conditions or when drilling in damp or wet ground conditions and no visible dust is observed while drilling.</p> <p>[ss. NR 415.04(1) and 415.075(2)(a)4.-7., Wis. Adm. Code, s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) The permittee shall conduct an initial opacity test within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days from startup. The test shall be conducted as specified in I.ZZZ.5. [s. 285.65(3), Wis. Stats., s. NR 439.075(1)(b), Wis. Adm. Code, and Permit # 14-MHR-069]</p> <p>(3) Whenever the measure(s) utilized within this subsection and I.ZZZ.3.b.(3) and/or II.C.2. are found to be insufficient in preventing fugitive dust and particulate matter from becoming airborne, the permittee shall:</p> <p>(a) notify the department within 2 business days</p>	<p>(1) <i>Reference Test Method for Visible Emissions</i>: Whenever compliance emission testing is required, US EPA Method 9 in 40 CFR part 60, Appendix A and the procedures in s. NR 440.11, Wis. Adm. Code, shall be used to demonstrate compliance. [s. NR 439.06(9)(a)1., Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall keep and maintain daily records of all precautions taken to prevent fugitive dust during drilling and blasting activities. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The permittee shall keep and maintain the following records:</p> <p>(a) Blast hole stemming materials used.</p> <p>(b) For each blast hole stemming material used, documentation showing that that material has been approved by the department or the Wisconsin Department of Safety and Professional Services.</p> <p>(c) Dust observation during drilling and recommended precautions, if any, for a successive blast event to the drilling.</p> <p>(d) Copies of compliance emission testing results. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p>

BB. Fugitive Emission Source F26 – Drilling and Blasting (FLS Mine) CC. Fugitive Emission Source F32 – Drilling and Blasting (LP Mine)		
1. Pollutant: Particulate Matter Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>of any such event, and</p> <p>(b) submit to the department within 7 business days proposed additional and/or modified preventative measures to adequately minimize such emissions.</p> <p>[s. 285.65(3), Wis. Stats., ss. NR 415.04(1) and 415.076(2), Wis. Adm. Code, 14-MHR-069]</p>	

ZZZ. Conditions Applicable to the Entire Facility.		
1. Ambient Air Monitoring		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Except as provided under I.ZZZ.2.a.(2), The permittee shall set up, operate and report the results obtained with a particulate matter ambient air monitoring system. [s. NR 415.075(4)-(b), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee may apply for, and the department may grant, a variance from the monitoring requirements of this subsection if the applicant demonstrates that the general public will not be exposed to significant levels of particulate matter from the source, and that the source's emissions units and processes are controlled to a level which meets all applicable requirements. The department may review any variance granted under this paragraph on a biennial basis. Following its review, the department may modify, extend, or rescind the variance. [s. NR 415.075(4)(b), Wis. Adm. Code, and Permit # 14-MHR-069]</p>	<p>(1) Monitoring System Requirements: Except as provided under I.ZZZ.2.a.(2), the following monitoring system requirements shall apply:</p> <p>(a) The permittee shall perform ambient air monitoring in accordance with a monitoring plan approved by the Monitoring Section within the Department's Bureau of Air Management and as follows:</p> <p>(a)(i) Prior to initial operation of the monitors, the permittee shall obtain a monitoring site inspection by a DNR Air Monitoring Specialist to determine compliance with the siting criteria.</p> <p>(a)(ii) Ambient monitoring of baseline conditions shall be conducted according to one of the following time periods.</p> <p>(a)(ii)(A) A minimum of six months prior to operation of the facility,</p> <p>(a)(ii)(B) Beginning within 120 days after the issuance of Permit # 14-MHR-069, or</p> <p>(a)(ii)(C) As specified in the department-approved ambient air monitoring plan.</p> <p>(b) The ambient air monitoring during plant operations shall continue for a minimum of 24 consecutive months following initial startup of the facility.</p> <p>(c) Whenever an exceedance of any limit specified in I.ZZZ.2.a.(1)-(2) is detected by monitor(s), the permittee shall notify the Wisconsin Department of Natural Resources, Northern Region – Cumberland Service Center within 3 business days of the permittee receiving that information.</p>	<p>(1) Except as provided under I.ZZZ.2.a.(2), the following monitoring system requirements shall apply:</p> <p>(a) Monitoring shall be conducted for a 24-hour period on the 6-day schedule established by the U.S. Environmental Protection Agency, or more frequently if required by the department. The department may specify the schedule in the approved plan.</p> <p>(b) Monitoring results shall be submitted to the department on a monthly basis. Results for each month shall be postmarked or received by the department no later than the last day of the following month.</p> <p>[ss. NR 415.075(4)(a)3-4., and 415.075(b), Wis. Adm. Code, Permit # 14-MHR-069]</p>

ZZZ. Conditions Applicable to the Entire Facility.		
1. Ambient Air Monitoring		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	<p>The permittee shall provide the department with an explanation of the apparent cause(s), and identify the corrective action(s) the permittee deems appropriate and the schedule for implementation.⁵</p> <p>[ss. NR 406.04, 407.09(1)(c), and NR 415.075(4), 439.06, 439.075(b), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

⁵ Section NR 404.07, Wis. Adm. Code, addresses the interpretation of air quality data with respect to air standards. The department shall, for implementation purposes, take into account levels and variations in natural background levels of contaminants, the quality of air entering a region, abnormal local short-term activities and the numbers and types of persons and property located

EXHIBIT 1

ZZZ. Conditions Applicable to the Entire Facility.		
2. Fugitive Dust		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) No person may cause, allow or permit the use of any parking lot, storage pile, road or other area by haul trucks or any drilling or blasting without taking precautions to prevent particulate matter from becoming airborne. These precautions shall be taken to the extent necessary so that any applicable requirements are met. [s. NR 415.075(2), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) No person may cause, allow or permit any crusher, screen, bucket elevator, belt conveyor, storage bin or any transfer point on belt conveyors to be used without taking precautions to prevent particulate matter from becoming airborne. These precautions shall be taken to the extent necessary so that any applicable requirements are met. [s. NR 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The permittee keep and maintain a fugitive dust control plan. The plan shall be in writing and updated/revised as needed. [ss. NR 415.075(6) and NR 415.076(2), Permit # 14-MHR-069]</p> <p>(4) A certified visible emissions reader shall be available on site during daylight hours whenever the facility is in operation. [s. 285.65(3), Wis. Stats., and Permit # 14-MHR-069]</p> <p>(5) The permittee shall control fugitive</p>	<p>(1) An onsite fugitive dust observer shall make an observation for each process identified in I.ZZZ.2.a.(1) and (2) at the facility at least once per day. [s. NR 415.075(6), Wis. Adm. Code, and s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]</p> <p>(2) Precautions necessary for I.ZZZ.2.a.(1) shall include one or more of the following:</p> <p>(a) Application of asphalt, water or suitable chemicals on unpaved roads or other areas used by haul trucks which can create airborne dust, provided the application does not create a hydrocarbon, odor or water pollution problem.</p> <p>(b) Posting and maintenance of a 10 MPH speed limit on paved roads, unpaved roads, and other areas used by haul trucks inside the facility's property line.</p> <p>(c) Covering, treatment or securing of materials likely to become airborne from haul trucks during transport, prior to any transportation off site from the quarry or mine.</p> <p>(d) Use of wet drilling or other means of control approved by the department.</p> <p>(e) The use of blast hole stemming materials that have been approved by either the department or the Department of Safety and Professional Services.</p> <p>(f) Any precautions proposed by the owner or operator and accepted by the department in a permit or fugitive dust control plan.</p> <p>(g) Use of no precautions where control measures are unnecessary due to site or</p>	<p>(1) The permittee keep and maintain records of all observations conducted, and the person who performed the observations. A record shall be maintained indicating the certification status of the person who performed the observations. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 15-MHR-064]</p> <p>(2) The permittee shall keep and maintain daily records of all precautions taken including sufficient information justifying when no precautions were taken. [s. NR 439.04(1)(d), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) For the fugitive dust control plan, the permittee shall submit any revisions to the fugitive dust plan to the department within 30 days prior to the revisions taking effect. The department may require the permittee to revise the fugitive dust plan. [ss. NR 415.075(2)(c) and (6), Wis. Adm. Code, Permit # 14-MHR-069]</p>

ZZZ. Conditions Applicable to the Entire Facility.		
2. Fugitive Dust		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
emissions from Fugitive Emission Sources F01-F04, F10-F17, F20-F27, and F32-F37 so that no visible emissions are observed crossing any property boundary of the facility. ⁶ [s. 285.65(3), Wis. Stats., Permit # 14-MHR-069]	<p>meteorological conditions.</p> <p>[s. NR 415.075(2), Wis. Adm. Code, , Permit # 14-MHR-069]</p> <p>(3) Precautions necessary for I.ZZZ.2.a.(2) shall include one or more of the following:</p> <p>(a) Use, where possible, of water, or chemicals approved by the department, for control of dust.</p> <p>(b) Installation and use of hoods, enclosures, buildings, fans and air cleaning devices to enclose and vent the areas where materials are handled.</p> <p>(c) The use of spray bars or other wet dust suppression methods.</p> <p>(d) Any precautions proposed by the owner or operator and accepted by the department.</p> <p>(e) Use of no precautions where control measures are unnecessary due to site or meteorological conditions.</p> <p>[s. NR 415.076(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	

⁶ The permittee shall meet Condition I.ZZZ.2.a.(5) to ensure that necessary precautions are being taken to prevent particulate matter from becoming airborne, per Condition I.ZZZ.3.a.(1).

ZZZ. Conditions Applicable to the Entire Facility.		
3. Recordkeeping		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) All records required by this permit shall be maintained by the facility for a period of at least five (5) years. [s. NR 439.04(2), Wis. Adm. Code, Permit # 14-MHR-069] (2) All records required by this permit shall be made available to the Department upon request. [s. NR 439.05, Wis. Adm. Code, Permit # 14-MHR-069]	None	None

ZZZ. Conditions Applicable to the Entire Facility.		
4. Malfunction Prevention and Abatement Plan.		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) A malfunction prevention and abatement plan shall be prepared and followed for the facility. The owner or operator shall update the facility's Malfunction Prevention and Abatement Plan to include the new emission unit(s) within 60 days of the date each unit becomes operational. [s. NR 439.11(1), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) All air pollution control equipment shall be operated and maintained in conformance with good engineering practices (i.e. operated and maintained according to manufacturer's specifications and directions) to minimize the possibility for the exceedance of any emission limitations. [s. NR 439.11(4), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The facility shall submit the plan to the Wisconsin Department of Natural Resources Northern Region – Cumberland Service Center, 1341 2nd Ave., P.O. Box 397, Cumberland, WI 54829 for review, whenever the plan is updated. The department may amend the plan if deemed necessary for malfunction prevention or for the reduction of excess emissions during malfunctions. [s. NR 439.11(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) The malfunction prevention and abatement plan shall be developed to prevent, detect and correct malfunctions or equipment failures which may cause any applicable emissions limitation to be violated or which may cause air pollution. [s. NR 439.11(1), Wis. Adm. Code, Permit #s 14-MHR-069]</p> <p>(2) This malfunction prevention and abatement plan shall include installation, maintenance and routine calibration procedures for the process monitoring control equipment instrumentation, and control equipment parametric monitoring. This plan shall require an instrumentation calibration at the frequency specified by the manufacturer, yearly or at a frequency based on good engineering practice as established by operational history, whichever is more frequent. Inspection and calibration shall also be conducted whenever instrumentation anomalies are noted. [ss. NR 407.09(1)(c)1.c., NR 439.055(4) and s. NR 439.11, Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The malfunction prevention and abatement plan shall require a copy of the operation and maintenance manual for the control equipment to be maintained on site. The plan shall contain all of the elements in s. NR 439.11(1)(a) – (h), Wis. Adm. Code. [s. NR 439.11, Wis. Adm. Code, Permit # 14-MHR-069]</p>	None

ZZZ. Conditions Applicable to the Entire Facility.		
5. Stack Testing Requirements		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) If the compliance emission test(s) cannot be conducted within the time frames specified in this permit, the permit holder may request and the Department may approve, in writing, an extension of time to conduct the test(s). [s. NR 439.07, Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) All testing shall be performed with the emissions unit operating at capacity or as close to capacity as practicable and in accordance with approved procedures. If operation at capacity is not feasible, the source shall operate at a capacity level which is approved by the Department in writing. [s. NR 439.07(1), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The Department shall be informed at least 20 working days prior to a stack testing, so a Department representative can witness the testing. At the time of notification, a compliance emission test plan shall also be submitted to the Department for approval. When approved in writing, an equivalent test method may be substituted for the reference test method. The notification and test plan shall be submitted to the Wisconsin Department of Natural Resources, Northern Region,– Cumberland Service Center, 1341 2nd Ave., P.O. Box 397, Cumberland, WI 54829. [s. NR 439.07(2), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) Two copies of the report on any compliance emission tests shall be submitted to the Department for evaluation within 60 days following the completion of tests. [s. NR 439.07(9), Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>None</p>

ZZZ. Conditions Applicable to the Entire Facility.		
6. Compliance Reports/Records.		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) Upon issuance of the operation permit, the permittee shall submit periodic monitoring reports. [s. NR 407.09(1)(c)3., Wis. Adm. Code, Permit #s 14-MHR-069]</p> <p>(2) Upon issuance of the operation permit, the permittee shall submit periodic certification of compliance. [s. NR 407.09(4)(a)3., Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(3) The records required under this permit shall be retained for at least five (5) years and shall be made available to department personnel upon request during normal business hours. [s. NR 439.04, s. NR 439.05, Wis. Adm. Code, Permit # 14-MHR-069]</p>	<p>(1) The permittee shall submit a monitoring report which contains the results of monitoring or a summary of monitoring results required by this permit to the Department every six (6) months.</p> <p>(a) The time period to be addressed by each submittal is January 1 to June 30 and July 1 to December 31 of the previous year.</p> <p>(b) The report shall be submitted to the Wisconsin Department of Natural Resources Northern Region, – Cumberland Service Center, 1341 2nd Ave., P.O. Box 397, Cumberland, WI 54829 within 60 days after the end of each reporting period.</p> <p>(c) All deviations from and violations of applicable requirements shall be clearly identified in the submittal.</p> <p>(d) Each submittal shall be certified by a responsible official as to the truth, accuracy and completeness of the report.</p> <p>(e) The content of the submittal is described in item D. of Part II of the operation permit.</p> <p>[ss. NR 407.09(1)(c)3., NR 439.03(1)(b) and NR 440.73(6)(c), Wis. Adm. Code, Permit # 14-MHR-069]</p> <p>(2) The permittee shall submit an annual certification of compliance with the requirements of this permit to the Wisconsin Department of Natural Resources Northern Region, – Cumberland Service Center, 1341 2nd Ave., P.O. Box 397, Cumberland, WI 54829.</p> <p>(a) The time period to be addressed by each report is January 1 to December 31 of the preceding year.</p> <p>(b) The report shall be submitted to the Wisconsin Department of Natural Resources within 60 days after the end of each reporting period.</p> <p>(c) The information included in the report shall comply with the requirements of Part II, Section N of this permit.</p> <p>(d) Each report shall be certified by a responsible official as to the truth, accuracy and completeness of the report.</p> <p>[ss. NR 407.09(4)(a)3. & NR 439.03(1)(c), Wis. Adm. Code, Permit #s 14-MHR-069]</p>	None