



Missouri Department of

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NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

FEB 06 2018

Mr. David Olchawa
Central Region Environmental Manager
FML Sand, LLC
3450 E. 2056th Road
Wedron, IL 60557

RE: New Source Review Permit Correction - Permit Number: 112015-001A
Project Number: 2017-06-026; Installation Number: 157-0037

Dear Mr. Olchawa:

Upon reviewing permit #: 112015-001 with FML it was brought up that there were errors in the permit that went unnoticed before the permit was issued. One problem noticed was that the PM₁₀ emission limitation special conditions (Special Condition 2) refer to a 25 tph crushing and washing operation. The only crushing and washing plant onsite was permitted in permit #: 012011-007 at 330 tph but was bottlenecked by the dryers to 275 tph. For this reason, the special condition 2.A and 2.B were corrected in this document to accurately reflect the equipment on site. While reviewing the tracking sheets associated with this special condition it was noticed that there was an error with the Attachment B rock crushing and washing operation emission factor. The factor of 0.0027 lb/ton of PM₁₀ was used when it should reflect the same emission factor (0.0051 lb/ton of PM₁₀) used in Attachment A for the washing and crushing operation. Therefore, Attachment B was also corrected in this document and should be used to show compliance with Special Condition 2. Attachment A of Permit #: 112015-001 can still be used to show compliance with Special Condition 2.A. in this correction.

After this review the facility will consist of one 330 tph rock crushing and washing operation, a 25 tph drying operation, a 100 tph drying operation, and a 150 tph drying operation. The maximum annual production rate of rock crushing and washing is 275 tph because the three dryers act as bottlenecks for the installation.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed



Recycled paper

Mr. David Olchawa
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filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.ao.mo.gov/ahc.

If you have any questions regarding this correction, please do not hesitate to contact Jordan Hull, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



Kendall B. Hale
Permits Section Chief

KBH;jhj

Enclosures

c: Southeast Regional Office
PAMS File: 2017-06-026

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Permit No.	112015-001A
Project No.	2017-06-026

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

EP-31*	Dry Product Conveyors (2)
EP-32*	Dry Product Elevators (2)
EP-33**	Dry Product Silos (8)
EP-33A**	Truck Loadout from Silos (8)

*These EPs are controlled by the existing cyclone and impingement scrubber in series (CD-09).

**These EPs are controlled by the new baghouse (CD-16).

- C. FML Sand, LLC shall demonstrate compliance with Special Condition 2.A and 2.B. using Attachment A and Attachment B or other equivalent forms that have been approved by the Air Pollution Control Program, including electronic forms.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Table 2: Equipment/Activities of the 150 tons per hour drying operation

Emission Point	Description
EP-13	Storage Piles
EP-14	Storage Pile Load Out
EP-43	Hopper
EP-44	Belt Feeder
EP-45	Dryer Feed Conveyor
EP-46	Dryer
EP-47	Conveyor to Elevator D2-2
EP-48	Elevator to Screens
EP-35	Screens (6)
EP-49	Dry Product Conveyors (4)
EP-50	Dry Product Elevators (4)
EP-51	200 ton Silos (6)
EP-51A	Truck Loadout from 200 ton Silos
EP-52	40 ton Waste Silo
EP-52A	Truck Loadout from Waste Silo

- B. FML Sand, LLC shall emit less than 15.0 tons of PM₁₀ combined in any consecutive 12-month period from the 100 tph drying plant and the washing/crushing plant. Equipment and activities from these operations are listed in Table 1 and Table 3.

Table 3: Equipment/Activities of the 100 tons per hour drying operation

Emission Point	Description
EP-13*	Storage Piles
EP-14*	Storage Pile Load Out
EP-15*	Dryer Feed Conveyor
EP-16*	Fluid Bed Dryer
EP-17**	Dry Feed Conveyor DC-2 (3)
EP-18**	Dry Feed Elevator DE-1
EP-19**	Dry Screen (4 Rotex)
EP-20**	Dry Product Screw Conveyors (4)
EP-21**	Dry Product Elevators (6)
EP-22*	Dry Product Silos (4)
EP-22A*	Truck Loadout from Silos
EP-23*	Product Haul Road
EP-30*	Dry Screens (3)

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

FML Sand, LLC
Perry County, S28, T36N, R10E

1. Superseding Condition
 - A. The conditions of this permit supersede the following special conditions found in the previously issued construction permit 112015-001 issued by the Air Pollution Control Program.
 - 1) Special Condition 2.- Annual Emission Limits

2. Annual Emission Limits
 - A. FML Sand, LLC shall emit less than 15.0 tons of particulate matter less than ten microns in aerodynamic diameter (PM₁₀) in any consecutive 12-month period from the 150 ton per hour (tph) drying plant and the washing/crushing plant combined. Equipment and activities from these operations are listed in Table 1 and Table 2.

Table 1: Equipment/Activities of the Rock Crushing/Washing Operation

Equipment	Description
EP-2	Loading of Fragmented Stone
EP-3	Haul Road
EP-4	Unloading of Fragmented Stone
EP-5	Grizzly Feeder
EP-6	Primary Crusher
EP-6A	Underconveyor
EP-7	Quarry Conveyor QC-1 to Primary Wet Scalping Screen
EP-10	Secondary Crusher
EP-11	Quarry Conveyor QC-3 to Secondary Crusher
EP-12	Quarry Conveyor QC-4 to QC-1
EP-12A	Quarry Conveyor Reject Sand