



August 7, 2020

Ken Ideker
V. P.
Ideker, Inc. PORT-0805
4614 S. 40th Street
St. Joseph, MO 64503

RE: New Source Review Permit Amendment - Permit Number: 042020-007B
Project Number: 2020-07-022; Installation Number: 777-0805

Dear Ken Ideker:

In an email from Joe Nasserri dated July 20, 2020, it stated that two stacker belts were going to be added to PORT-0805 while operating at Mosby Quarry in Clay County, S8 T52N R30W. Two 90 HP engines manufactured in 2019 would be used to supply power to these two stackers. The MHDR of the portable crusher is 400 tons per hour and the stackers were calculated at that rate. Emissions from the stacker/conveyors were calculated using emission factors from AP-42 Section 11.19.2 “Crushed Stone Processing and Pulverized Mineral Processing,” August 2004. The uncontrolled emission factors were used because the inherent moisture content of the crushed rock is less than 1.5 % by weight. PORT-0805 is a track mounted crusher, but the new stackers are not track mounted so the emissions from the two 90 HP engines were included in the updated potential to emit which will allow this portable plant to remain at this site for up to 24 consecutive months. Emissions from the two 90 HP diesel engines were calculated using emission factors from AP-42 Section 3.3 “Gasoline and Diesel Industrial Engines,” October 1996.

Emissions from the portable with two additional stackers and 90 HP engine are summarized in Table 1.

Table 1: Emissions Summary (tons per year)

Pollutant	<i>De Minimis</i> Level/SMAL	Existing Actual Emissions	Potential Emissions of Process Equipment ^a	Potential Emissions of the Application ^b	Conditioned Potential Emissions ^c
PM	25.0	N/A	69.05	322.75	36.76
PM ₁₀	15.0	N/A	25.29	131.73	<15.00
PM _{2.5}	10.0	N/A	3.50	22.00	2.51
SO _x	40.0	N/A	0.01	0.01	0.00
NO _x	40.0	N/A	0.52	0.52	0.06
VOC	40.0	N/A	0.25	0.25	0.03
CO	100.0	N/A	6.48	6.48	0.74
Total HAPs	25.0	N/A	2.08E-02	2.08E-02	2.37E-03

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Please be aware that New Source Performance Standards (NSPS), Subpart IIII applies to the engine and if it remains at that site longer than 12 months, Subpart ZZZZ applies. Subpart OOO does apply to the stackers/conveyors. Any testing, monitoring or record keeping required by NSPS must be followed in order for this installation to remain in compliance.

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 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.oa.mo.gov/ahc.

If you have any questions regarding this amendment, please do not hesitate to contact Kathy Kolb, 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:kka

Enclosures

c: Kansas City Regional Office
PAMS File: 2020-07-022

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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 (3)(E). "Conditions required by permitting authority."

PORT ID Number: PORT-0805

Site ID Number: 047-0193

Site Name: Mosby Quarry

Site Address: US 69 & Cameron Road, Mosby, MO

Site County: Clay S8 T52N R30W

1. **Superseding Condition**
The conditions of this permit supersede all the Site-Specific Special Conditions found in the previously issued Permit Number 042020-007A issued by the Air Pollution Control Program.
2. **Best Management Practices (BMPs) Requirement**
Ideker, Inc. PORT-0805 shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing Best Management Practices as defined in Attachment AA.
3. **Annual PM₁₀ Emission Limit**
 - A. Ideker, Inc. PORT-0805 shall emit less than 15.0 tons of PM₁₀ in any consecutive 12-month period from PORT-0805 and associated haul roads and storage piles while operating at this site. The SSM emissions including those reported to the Air Pollution Control Program's Compliance/Enforcement Section in accordance with the requirements of 10 CSR 10-6.050 *Start-Up, Shutdown, and Malfunction Conditions* shall be included in the limit.
 - B. Ideker, Inc. PORT-0805 shall demonstrate compliance with Special Condition 3.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

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SPECIAL CONDITIONS:

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

4. **Fuel Requirement-Diesel Engine**
Ideker, Inc. PORT-0805 shall burn exclusively ultra low sulfur diesel in their engines EP-08 and EP-09 with a sulfur content less than or equal to 0.0015% by weight.
5. **Record Keeping Requirement**
Ideker, Inc. PORT-0805 shall maintain all records required by this permit for not less than five years and make them available to any Missouri Department of Natural Resources' personnel upon request.
6. **Reporting Requirement**
Ideker, Inc. PORT-0805 shall report to the Air Pollution Control Program, Compliance/Enforcement Section at P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov, no later than ten days after any exceedances of the limitations imposed by this permit.

Attachment AA: Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the portable plant is operating.

1. Pavement
 - A. The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions¹ while the plant is operating.
 - B. Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Application of Chemical Dust Suppressants
 - A. The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
 - B. The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer's recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources' personnel upon request.

3. Application of Water-Documented Daily
 - A. The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
 - B. Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
 - C. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
 - D. The operator shall record the date and volume of water application or the amount of precipitation that day. The operators shall also record the rationale for not watering (e.g. freezing conditions or not operating).
 - E. The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources' personnel upon request.

¹ For purposes of this document, Control of Fugitive Emissions means to control particulate matter that is not collected by a capture system and visible emissions to the extent necessary to prevent violations of the air pollution law or regulation. (Note: control of visible emission is not the only factor to consider in protection of ambient air quality.)