



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

June 27, 2024

VIA ELECTRONIC MAIL

Sarah Strain
Madison-Kipp
1600 Rich Road
Richmond, IN 47374
sstrain@Madison-Kipp.com

Re: Inspection Summary Letter
Madison-Kipp
Source ID 177-00125
Richmond, Wayne County

Dear Sarah Strain:

On June 25, 2024, a representative of the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), conducted an inspection of Madison-Kipp, located at 1600 Rich Road in Richmond, Indiana. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Inspection Type: Commitment
Inspection Results: No violations were observed

Please direct any questions to me at 317-233-0033 or by email at rhayes@IDEM.IN.gov.

Sincerely,

Rebecca Hayes, Compliance Inspector
Compliance Section 1
Office of Air Quality

ACES ID: 298826

ENCLOSURE

cc: Rebecca Hayes, Compliance and Enforcement Branch, Office of Air Quality

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FIELD INSPECTION REPORT**



SOURCE INFORMATION	
SOURCE NAME	Madison-Kipp
SOURCE LOCATION	1600 Rich Road, Richmond, Indiana Wayne County
MAILING ADDRESS	1600 Rich Road, Richmond, IN 47374
PLANT ID	177-00125
<u>PERMIT INFORMATION</u>	Permit Type: MSOP Permit Number: 45798 Permit Expiration Date: 12/27/2031 (issued 10/20/2022) VFC Document No.(hyperlink): 83382140
ATTAINMENT STATUS	<input checked="" type="checkbox"/> Attainment for all criteria pollutants <input type="checkbox"/> Nonattainment for <input type="checkbox"/> SO ₂ <input type="checkbox"/> CO <input type="checkbox"/> O ₃ <input type="checkbox"/> NO ₂ <input type="checkbox"/> Pb <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5}
SOURCE STATUS	<input type="checkbox"/> PSD Major (326 IAC 2-2) <input type="checkbox"/> Major Source of HAPs <input type="checkbox"/> Emission Offset (326 IAC 2-3) <input type="checkbox"/> Area Source of HAPs <input type="checkbox"/> Acid Rain (326 IAC 21)
<u>SOURCE DESCRIPTION</u>	stationary new automotive aluminum die-casting parts manufacturing plant

INSPECTION INFORMATION			
INSPECTED BY	Rebecca Hayes		
INSPECTION DATE AND TIME	June 25, 2024	TIME IN: 12:00 pm	TIME OUT: 2:30 pm
REPORTED BY	Rebecca Hayes	REPORT DATE: 6/27/2024	
<u>COMPLIANCE PERIOD REVIEWED</u>	7/18/2017 to 6/25/2024		
<u>INSPECTION NOTIFICATION</u>	<input checked="" type="checkbox"/> Unannounced <input type="checkbox"/> Announced:		
INSPECTION OBJECTIVE(S)	<input type="checkbox"/> Compliance Monitoring Strategy (CMS) <input type="checkbox"/> Mega-Site: <input type="checkbox"/> FCE <input type="checkbox"/> PCE <input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Commitment <input type="checkbox"/> Complaint <input type="checkbox"/> Surveillance	
ACES TRACKING NUMBER(S)	Inspection: 298826	Complaint:	Violation/Warning:
RM TRACKING NUMBER(S)	Complaint:		
<u>INSPECTION BACKGROUND</u>	Full compliance inspection		

SOURCE PERSONNEL INTERVIEWED			
Name	Title	Phone Number	Email Address
Sarah Strain	Corporate Quality Systems Manager	765-561-4324	sstrain@Madison-Kipp.com

INSPECTION AND COMPLAINT HISTORY (PREVIOUS 5 YEARS)			
<i>Date</i>	<i>Inspection/Complaint Type</i>	<i>Result</i>	<i>Comments</i>
7/18/2017	Commitment	No Violations Noted	

COMPLIANCE HISTORY (PREVIOUS 5 YEARS)			
Informal Enforcement Actions			
<i>Date Issued</i>	<i>Action Taken</i>	<i>Describe Violation(s)</i>	
12/27/2022	Violation Letter	Late permit renewal application Construction and operation of grit blaster without a permit	
Formal Enforcement Actions			
<i>Case Number</i>	<i>Enforcement Type</i>	<i>Civil Penalty</i>	<i>Describe Violation(s)</i>
none		\$	
Other Relevant Actions			
<i>Action Taken</i>	<i>Comments</i>		
none			

PERMIT SECTION D.1			
Emission Units and Control Devices:			
<p>Three (3) natural gas-fired aluminum melting reverberatory furnace, each using flux and no controls</p> <ul style="list-style-type: none"> • identified as M80001, constructed in 2016, with a maximum melt rate of 1.65 tons of clean aluminum charge per hour, heat input capacity of 3.97 MMBtu/hr; exhausting to stack MF-1S • identified as M80002, constructed in 2016, with a maximum melt rate of 1.34 tons of clean aluminum charge per hour, heat input capacity of 1.99 MMBtu/hr; exhausting to stack MF-2S • identified as M80003, approved in 2022 for construction, with a maximum melt rate of 3.0 tons of clean aluminum charge per hour, heat input capacity of 3.06 MMBtu/hr; exhausting to stack MF-3S <p>Seven (7) high pressure die casting machines along with each of their associated electric holding furnaces, identified as RCC01 through RCC07, each constructed in 2016 with maximum capacity of 1,800 lbs aluminum per hour, using no control and exhausting inside</p> <p>One (1) In-Line Grit Blaster, identified as RGB01, constructed in 2019, with a maximum capacity of 6,250 pounds of aluminum casting per hour, with a maximum shot usage rate of 608 pounds per hour, controlled by dust collector, exhausting to a stack</p>			
Pollutants with Emission Limits or Applicable Standards:			
<input type="checkbox"/> SO ₂ <input type="checkbox"/> NO _x <input type="checkbox"/> CO <input type="checkbox"/> VOC <input checked="" type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> HAPS			
Applicable Rules:			
326 IAC 6.5-1-2			
Requirement:	Applicable	Violation Noted	
Emission Limitations and Standards	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Preventive Maintenance Plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Compliance Determination Requirements	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Testing Requirements	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Compliance Monitoring Requirements	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Recordkeeping Requirements	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Types of Records Reviewed: VE notations on grit blaster			
Reporting Requirements	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Observations and Comments:			
<p>This facility was issued MSOP 37366 on 10/20/2016 as a new source under the name of Omen Casting Group. And during the previous inspection on 7/18/2017, most of the equipment had not been constructed yet. The 2 original melting furnaces started operations in late 2017 and early 2018. The facility then recently installed a third larger furnace. Operation of the larger furnace is meeting all the current business needs, so the 2 older furnaces are currently idle. Furnace M80003 and various casting stations were operating during the inspection.</p> <p>The grit blaster is operated on a batch type of schedule and was not operating during the inspection. They are currently tracking daily visible emissions notations when the unit is operating on a manual log sheet. They are also doing pressure drop monitoring; however, this is not required by the permit. I was able to review historical record of the visible emission notations during the inspection as well and they were found to be adequate.</p>			
<i>Emission Unit or Control Device</i>	<i>Parameter</i>	<i>Permitted Value/Range</i>	<i>Observation</i>
Grit Blaster (RGB01)	Visible emissions notations	Normal/abnormal	Not operating during inspection
Permit Section Compliance Status:			

PERMIT SECTION D.1

No violations were observed or determined for this permit section at the time of the inspection.
 The following violations were determined for this permit section at the time of the inspection:

ADDITIONAL SOURCE COMPLIANCE REVIEW:

The following reports are required and were reviewed:
 Annual Compliance Certification(s) Deviation & Compliance Monitoring Report(s)
 Annual Notification(s) Emission Statement(s)

The reports are consistent with inspection observations. Yes No N/A

The permit accurately represents emission units observed on site. Yes No N/A

Compliance assistance was provided during the inspection. Yes No N/A

The source is required to have a Risk Management Plan [40 CFR 68]. Yes No

If yes, the source has a plan. Yes No N/A

If yes, the employees have been trained. Yes No N/A

Additional Information and Comments:

Additional Source Compliance Review Status:

No violations were observed or determined for this permit section at the time of the inspection.
 The following violations were determined for this permit section at the time of the inspection:

INSPECTION FINDINGS

No violations were observed or determined at the time of the inspection.
 The following violations were determined at the time of the inspection:

RECOMMENDED ACTION	Issue inspection summary letter.
EXIT INTERVIEW	I explained my findings, recommendations, and conclusions with source contacts prior to exiting the facility.