

**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

**MISSOURI AIR CONSERVATION COMMISSION**

**PERMIT TO CONSTRUCT**

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 072020-009      Project Number: 2020-03-036  
Installation Number: 147-0023

Parent Company: Kawasaki Heavy Industries Ltd.

Parent Company Address: 1-1 Kawasaki-Cho, Akashi, Japan


Installation Name: Kawasaki Motors Manufacturing Corp.

Installation Address: #1 Horsepower Dr., Maryville, MO 64468

Location Information: Nodaway County, S31, T64N, R35W

Application for Authority to Construct was made for:  
Installation of Assembly Line 14 (AET14) and the addition of two run up stands each for Assembly Lines 2, 3, and 5 (AET2,3,5). This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

- 
- Standard Conditions (on reverse) are applicable to this permit.
- Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

  
\_\_\_\_\_  
Director or Designee  
Department of Natural Resources

July 21, 2020  
\_\_\_\_\_  
Effective Date

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department's regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department's personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 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 AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:  
Missouri Department of Natural Resources  
Air Pollution Control Program  
P.O. Box 176  
Jefferson City, MO 65102-0176  
(573) 751-4817

The regional office information can be found at the following website:  
<http://dnr.mo.gov/regions/>

**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 to 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."*

Kawasaki Motors Manufacturing Corp.  
Nodaway County, S31, T64N, R35W

1. **Superseding Condition**  
The conditions of this permit supersede Special Condition 2 found in the previously issued construction permit 012018-004 issued by the Air Pollution Control Program.
2. **Emission Limitations – Installation**
  - A. Kawasaki Motors Manufacturing Corporation shall emit less than 250.0 tons of VOCs from the entire installation in any consecutive 12-month period.
  - B. Kawasaki Motors Manufacturing Corporation shall emit less than the SMAL or 10.0 tons individually and 25.0 tons combined of HAPs from the entire installation in any consecutive 12-month period.
  - C. Kawasaki Motors Manufacturing Corporation shall emit less than 250.0 tons of CO from the entire installation in any consecutive 12-month period.
  - D. Kawasaki Motors Manufacturing Corporation must determine the total amount of VOC, HAPs and CO emitted from the installation. Attachment A and B or equivalent forms approved by the Air Pollution Control Program shall be used to calculate emission associated with this project. These project emissions shall be added to the installation emissions from Attachments E through G of OP2015-038A and Attachments A through C of Construction Permit 012018-004, or shall be included in equivalent approved forms in order to demonstrate compliance with Special Conditions 2.A, 2.B and 2.C.
  - E. Kawasaki Motors Manufacturing Corporation shall maintain records of:
    - 1) Safety Data Sheets (SDS) for all materials used at the installation;
    - 2) Flux manufacturer's declarations of flux fluorides binding to dross for all fluxes used (i.e. sf350, sf206 and COVERAL 777).

**SPECIAL CONDITIONS:**

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

3. Record Keeping and Reporting Requirements
  - A. Kawasaki Motors Manufacturing Corp. shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include SDS for all materials used.
  - B. Kawasaki Motors Manufacturing Corp. shall report to the Air Pollution Control Program's Compliance/Enforcement Section, by mail at P.O. Box 176, Jefferson City, MO 65102 or by email at [AirComplianceReporting@dnr.mo.gov](mailto:AirComplianceReporting@dnr.mo.gov), no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE  
SECTION (5) REVIEW

Project Number: 2020-03-036  
Installation ID Number: 147-0023  
Permit Number: 072020-009

Installation Address:

Kawasaki Motors Manufacturing Corp.  
#1 Horsepower Dr.  
Maryville, MO 64468

Parent Company:

Kawasaki Heavy Industries Ltd.  
1-1 Kawasaki-Cho  
Akashi, Japan

Nodaway County, S31, T64N, R35W

REVIEW SUMMARY

- Kawasaki Motors Manufacturing Corp. has applied for authority to install Assembly Line 14 (AET14) and add two run up stands each for Assembly Lines 2, 3, and 5 (AET2,3,5).
- The application was deemed complete on March 20, 2020.
- No HAP emissions are expected from the proposed equipment.
- None of the New Source Performance Standards (NSPS) apply to the project.
- None of the NESHAPs apply to this installation. None of the currently promulgated MACT regulations apply to the proposed equipment.
- No air pollution control equipment is being used in association with the new equipment.
- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all pollutants are below de minimis levels.
- This installation is located in Nodaway County, an attainment/unclassifiable area for all criteria pollutants.
- This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.
- Ambient air quality modeling was not performed since potential emissions of the application are below de minimis levels.

- Emissions testing is not required for the equipment as a part of this permit. Testing may be required as part of other state, federal or applicable rules.
- A Part 70 Operating Permit modification is required for this installation within 1 year of commencement of operations.
- Approval of this permit is recommended with special conditions.

## INSTALLATION DESCRIPTION

Kawasaki Motors Manufacturing Corporation operates a gasoline engine manufacturing installation in Maryville, Missouri, (Nodaway County). Kawasaki Motors builds engines ranging from 4.5 horsepower (hp) up to 35.0 hp. These engines are primarily used in walk-behind lawn mowers, riding lawn mowers and all-terrain vehicles.

Kawasaki Motors Manufacturing Corporation is not considered an existing major source for construction permitting because of the 250-ton annual limit for applicable pollutants. For New Source Review purposes, it is considered a minor source. The installation holds a Part 70 State Operating Permit most recently renewed in permit OP2015-038. A new Part 70 State Operating Permit renewal (Project Number 2020-04-035) is currently in progress.

The following projects for Kawasaki Motors Manufacturing Corporation have been processed by the Air Pollution Control Program.

**Table 1: NSR Permit History**

Permit Number	Description
No Permit Required	2019-10-039 Machine Replacement
No Permit Required	2019-09-033 Crankcase Line
012018-004A	2018-02-045 Increase Production
012018-004	2017-08-050 Production Lines
No Permit Required	2017-08-012 Impregnation and Generator
Permit Required	2017-05-053 Add Line
OP2015-038A	2016-06-025 Emergency Generator
082016-012	2016-05-062 Die Casting
No Permit Required	2015-12-007 Machining Line Like Kind Replacement
OP2015-038	2014-07-041 Part 70 Operating Permit Renewal
No Permit Required	2014-03-044 Painting Process
No Permit Required	2012-04-051 Emergency Generator
082008-007A	2012-02-074 Remove emission limitation
102009-004A	2012-02-030 Remove emission limitation
OP2010-039C	2012-02-031 Part 70 Operating Permit Modification
OP2010-039B	2012-01-059 Consolidation of natural gas recording (change of form)
OP2010-039A	2011-10-032 Consolidation of record keeping points (change of form)

Permit Number	Description
No Permit Required	2011-05-019 Assembly lines
No Permit Required	2010-04-002 Die Casting furnace
102009-004A	2009-10-028 Corrections to issued permit
012010-003	2009-09-023 Burn-off furnace
OP2010-039	2009-07-005 Part 70 Operating Permit
102009-004	2009-02-033 new die casting machine, new crankcase machining line and new cylinder head machining line
082008-007	2008-04-002 Furnace Replacement
092007-011	2007-05-059 Endurance testing Facility
062007-004	2006-10-085: Use of aviation fuel
	2006-09-062: Use of aviation fuel-applicability determination
092005-001A	2006-04-058: Amendment remove conditions
No Permit Required	2006-03-045: Die casting and crankcase machining
	2006-03-047: Part 70 Operating Permit Amendment
	2005-10-020: Update Part 70 Operating Permit
092005-001	2005-05-106: Install four new processes
	2004-11-068: Intermediate Operating Permit Amendment
012005-002	2004-10-003: Add two small engine assembly lines
032004-006	2003-10-049: Installation of a machining operation
No Permit Required	2003-06-036: Engine testing exhaust fans
	2003-05-092: Intermediate Operating Permit Amendment
082003-011	2003-05-091: Installation of a engine assembly line
	2003-02-097: Applicability, permit required for new lines.
	2002-06-097: Intermediate Operating Permit application
	2002-05-002: Correction or amendment change retaining compound.
No Permit Required	2001-05-090: 680cc LPG engines.
No Permit Required	2001-03-092: Installation of natural gas engines.
062001-001	2001-02-113: Installation of a wet vacuum impregnation system to seal porosity in aluminum parts
112000-010	2000-09-054: Installation of two (2) gasoline engine assembly lines
0699-024	1999-03-119: Installation of an assembly line for building internal combustion engines and installation of an electrode position paint system
	1998-05-636: major source review, closed out
0598-012	1998-02-0221: Addition of a wet paint booth and a process heater
	147-0023-020: Intermediate Operating Permit Application
0897-034	147-0023-017: Installation of a gasoline engine assembly line
0797-005	3340-0023-017: Installation of four (4) machining lines and six (6) heating/ventilation units
0494-009	3340-0023-016: Installation of an aluminum die casting machine and a machine process
0493-011	3340-0023-015: Installation of two (2) aluminum die casts and melting furnaces

Permit Number	Description
0193-001	3340-0023-011: Installation of a powder paint booth
1291-004	3340-0023-009: Addition of chromate aluminum parts
	3340-0023-008: Amendment to 0791-001
0791-001	3340-0023-007: Installation of gasoline engine assembly line and aluminum scrap furnaces
1190-004	3340-0023-006: Addition of connecting rod machine line and injection molding
0890-001	3340-0023-005: Installation of aluminum die cast engines
082016-012	2016-05-062 : Melting furnace and die cast machine

## PROJECT DESCRIPTION

Kawasaki Motors Manufacturing Company proposes to install a new assembly line, identified as Assembly Line 14 (AET14). The MHDR for Assembly Line 14 will be 81 engines per hour. There are two main sources of air emissions from the new assembly line (AET14): the combustion of gasoline in the run up test stands, and the use of brakewash for cleaning the engines. The new assembly line will operate in a similar fashion to the existing lines. The engine runs while the RPM and idle adjustments are made. The engine is shut off and the oil and gasoline are drained out of the engine. The engine then goes on down the line to packaging area to be boxed for shipment.

Kawaski Motors Manufacturing Company also propose to add two run up stands each for existing Assembly Lines 2, 3, and 5 (AET2,3,5). This will increase the engine testing MHDR by an additional 22 engines per hour for a total of 112 engines per hour each for Assembly Lines 2, 3, and 5. As confirmed by the applicant, the addition of these run up stands will have very little to no increase in brakewash fluid. The extension of these lines are designed for the installation to run long blocks. These are engines that are basically incomplete. Very little brakewash is used in this process and it would be too minimal to record.

The total emissions for this project are below de minimis levels but above the insignificant levels for CO and VOC, thus requiring a permit. The emissions come from the engine testing and the brakewash fluid. No controls are associated with these units.

**Table 2: New/Modified Project Emission Units**

Emission unit	Description	MHDR
AET14 (GR-AE) <sup>1</sup>	Assembly line 14	81 engines/hr Brakewash: 2.1 oz/engine Gasoline: 0.025 gal/engine
AET2 (GR-AE) <sup>2</sup>	Assembly line 2	Increase: 22 engines/hr Total: 112 engines/hr Gasoline: 0.025 gal/engine
AET3 (GR-AE) <sup>2</sup>	Assembly line 3	Increase: 22 engines/hr Total: 112 engines/hr Gasoline: 0.025 gal/engine



AET5 (GR-AE) <sup>2</sup>	Assembly line 5	Increase: 22 engines/hr Total: 112 engines/hr Gasoline: 0.025 gal/engine
---------------------------	-----------------	--

<sup>1</sup> New Equipment

<sup>2</sup> Modified Equipment

### EMISSIONS/CONTROLS EVALUATION

The potential emissions from the test stands were calculated using the emission factors for gasoline engine testing taken from AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants (March 1990). The PTE for gasoline usage at the test stands was calculated at 0.025 gal/engine of unleaded fuel. The assembled motors use just enough fuel to get the motor running before they are shut down; therefore the size of the motor does not greatly affect fuel usage.

Mass balance analysis and the Safety Data Sheet were used when calculating the PTE of the brakewash fluid used in Assembly Line 14. It was determined that 2.1 oz. of brakewash fluid was used per engine. As stated in the SDS, the fluid had a 100% VOC weight content and no HAPs.

Table 3 provides an emissions summary for this project. Existing potential emissions were taken from emission limits established in NSR Permit 012018-004. Existing actual emissions were taken from the installation's 2019 EIQ. Potential emissions of the application represent the potential of the new equipment and modified equipment, assuming continuous operation (8760 hours per year).

**Table 3: Emissions Summary (tpy)**

Pollutant	Regulatory <i>De Minimis</i> Levels	Existing Potential Emissions	Existing Actual Emissions (2019 EIQ)	Potential Emissions of the Project	New Installation Conditioned Potential
PM	25.0	N/D	N/D	N/D	N/D
PM <sub>10</sub>	15.0	N/D	24.56	0.06	N/D
PM <sub>2.5</sub>	10.0	N/D	12.51	0.06	N/D
SO <sub>x</sub>	40.0	N/A	0.21	0.05	N/A
NO <sub>x</sub>	40.0	< 40	5.14	0.91	< 40
VOC	40.0	< 250	91.35	1.31	< 250
CO	100.0	< 250	93.34	34.95	< 250
HAPs	10.0/25.0	< 10.0/25.0	0.0002	N/A	< 10.0/25.0

N/A = Not Applicable; N/D = Not Determined

### PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all pollutants are below de minimis levels.

## APPLICABLE REQUIREMENTS

Kawasaki Motors Manufacturing Corp. shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.

## GENERAL REQUIREMENTS

- *Operating Permits*, 10 CSR 10-6.065
- *Start-Up, Shutdown, and Malfunction Conditions*, 10 CSR 10-6.050
- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
  - Per 10 CSR 10-6.110(4)(B)2.B(II) and (4)(B)2.C(II) a full EIQ is required every year for Part 70 installations.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

## STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, it is recommended that this permit be granted with special conditions.

## PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated March 20, 2020, received March 20, 2020, designating Kawasaki Heavy Industries Ltd. as the owner and operator of the installation.
- Brakewash Fluid Safety Data Sheet.

## Attachment A – VOC, CO, and HAP Monthly Compliance Worksheet \*

Kawasaki Motors Manufacturing Corp.  
 Nodaway County, S31, T64N, R35W  
 Project Number: 2020-03-036  
 Installation ID Number: 147-0023  
 Permit Number: 072020-009

This sheet covers the period from \_\_\_\_\_ to \_\_\_\_\_.  
(month, year) (month, year)

Emission Point	Usage Units	(a) Monthly Usage Amt.	(b)VOC Emission Factor	(b)HAP Emission Factor	(b)CO Emission Factor	(c) VOC (lb)	(c) HAP (lb)	(c) CO (lb)
Example: Gasoline Emission Point	gallons	76.50	0.148 lb/gal	0.0	3.94 lb/gal	11.3	0.0	301.41
AET14 (unleaded gasoline)	gallons		0.148 lb/gal	0.0	3.94 lb/gal			
AET2 (unleaded gasoline)	gallons		0.148 lb/gal	0.0	3.94 lb/gal			
AET3 (unleaded gasoline)	gallons		0.148 lb/gal	0.0	3.94 lb/gal			
AET5 (unleaded gasoline)	gallons		0.148 lb/gal	0.0	3.94 lb/gal			
(d) Total Monthly lbs:								
(e) Total Monthly Tons:								

1. Enter usage amount (a)
2. Multiply (a)\*corresponding (b) = corresponding (c)
3. Add all Column (c) for each pollutant in corresponding row (d)
4. (d)/2000 lb = (e) tons of each pollutant

All VOC emissions from the site must be counted. A 12-Month rolling VOC installation wide emission total of less than or equal to **250.0 tons** indicates compliance.

All CO emissions from the site must be counted. A 12-Month rolling CO installation wide emission total of less than or equal to **250.0 tons** indicates compliance.

A rolling 12-Month HAP installation wide emission total of less than or equal to **SMAL/10.0 tons** individually of HAPs or **25.0 tons** of combined HAPs indicates compliance.

**\*Note: This sheet is only for the project emissions associated with the gasoline emissions from AET14, AET2, AET3, and AET5. Emissions from this sheet shall be added to the appropriate tracking sheets in OP2015-038A or other approved forms.**

## Attachment B - Material VOC Monthly Compliance Worksheet \*

Kawasaki Motors Manufacturing Corp.  
 Nodaway County, S31, T64N, R35W  
 Project Number: 2020-03-036  
 Installation ID Number: 147-0023  
 Permit Number: 072020-009

**For Month** \_\_\_\_\_ **Year** \_\_\_\_\_

Point	Product	Part #	VOC %	Density (lb/gal)	Usage (gal)	VOC (lbs)
GR-AE	AET 14 (brakewash fluid)		100.0%	5.92		
Monthly VOC Emissions (tons):						

1.  $VOC (\%) * Density * Usage \text{ (gallons)} = VOC \text{ (lbs)}$
2.  $VOC \text{ (lbs)} / 2,000 \text{ lbs} = VOC \text{ (tons)}$

All VOC emissions from the site must be counted. A 12-Month rolling VOC emission total of all VOC emissions at the installation of less than or equal to **250.0 tons** indicates compliance.

**\*Note: This sheet is only for the project VOC emissions associated with the brakewash fluid usage in Assembly Line 14. Emissions from this sheet shall be added to the appropriate tracking sheets established in previous permits.**

## APPENDIX A

### Abbreviations and Acronyms

<b>%</b> ..... percent	<b>Mgal</b> ..... 1,000 gallons
<b>°F</b> ..... degrees Fahrenheit	<b>MW</b> ..... megawatt
<b>acfm</b> ..... actual cubic feet per minute	<b>MHDR</b> ..... maximum hourly design rate
<b>BACT</b> ..... Best Available Control Technology	<b>MMBtu</b> .... Million British thermal units
<b>BMPs</b> ..... Best Management Practices	<b>MMCF</b> ..... million cubic feet
<b>Btu</b> ..... British thermal unit	<b>MSDS</b> ..... Material Safety Data Sheet
<b>CAM</b> ..... Compliance Assurance Monitoring	<b>NAAQS</b> .... National Ambient Air Quality Standards
<b>CAS</b> ..... Chemical Abstracts Service	<b>NESHAPs</b> National Emissions Standards for Hazardous Air Pollutants
<b>CEMS</b> ..... Continuous Emission Monitor System	<b>NO<sub>x</sub></b> .....nitrogen oxides
<b>CFR</b> ..... Code of Federal Regulations	<b>NSPS</b> ..... New Source Performance Standards
<b>CO</b> ..... carbon monoxide	<b>NSR</b> ..... New Source Review
<b>CO<sub>2</sub></b> ..... carbon dioxide	<b>PM</b> .....particulate matter
<b>CO<sub>2e</sub></b> ..... carbon dioxide equivalent	<b>PM<sub>2.5</sub></b> ..... particulate matter less than 2.5 microns in aerodynamic diameter
<b>COMS</b> ..... Continuous Opacity Monitoring System	<b>PM<sub>10</sub></b> ..... particulate matter less than 10 microns in aerodynamic diameter
<b>CSR</b> ..... Code of State Regulations	<b>ppm</b> ..... parts per million
<b>dscf</b> ..... dry standard cubic feet	<b>PSD</b> ..... Prevention of Significant Deterioration
<b>EIQ</b> ..... Emission Inventory Questionnaire	<b>PTE</b> ..... potential to emit
<b>EP</b> ..... Emission Point	<b>RACT</b> ..... Reasonable Available Control Technology
<b>EPA</b> ..... Environmental Protection Agency	<b>RAL</b> ..... Risk Assessment Level
<b>EU</b> ..... Emission Unit	<b>SCC</b> ..... Source Classification Code
<b>fps</b> ..... feet per second	<b>scfm</b> ..... standard cubic feet per minute
<b>ft</b> ..... feet	<b>SDS</b> ..... Safety Data Sheet
<b>GACT</b> ..... Generally Available Control Technology	<b>SIC</b> ..... Standard Industrial Classification
<b>GHG</b> ..... Greenhouse Gas	<b>SIP</b> ..... State Implementation Plan
<b>gpm</b> ..... gallons per minute	<b>SMAL</b> ..... Screening Model Action Levels
<b>gr</b> ..... grains	<b>SO<sub>x</sub></b> ..... sulfur oxides
<b>GWP</b> ..... Global Warming Potential	<b>SO<sub>2</sub></b> ..... sulfur dioxide
<b>HAP</b> ..... Hazardous Air Pollutant	<b>SSM</b> ..... Startup, Shutdown & Malfunction
<b>hr</b> ..... hour	<b>tph</b> ..... tons per hour
<b>hp</b> ..... horsepower	<b>tpy</b> ..... tons per year
<b>lb</b> ..... pound	<b>VMT</b> ..... vehicle miles traveled
<b>lbs/hr</b> ..... pounds per hour	<b>VOC</b> ..... Volatile Organic Compound
<b>MACT</b> ..... Maximum Achievable Control Technology	
<b>µg/m<sup>3</sup></b> ..... micrograms per cubic meter	
<b>m/s</b> ..... meters per second	



Missouri Department of dnr.mo.gov

# NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

July 21, 2020

Todd Turner  
Environmental Supervisor  
Kawasaki Motors Manufacturing Corp.  
#1 Horsepower Dr.  
Maryville, MO 64468

RE: New Source Review Permit - Project Number: 2020-03-036

Dear Todd Turner:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at the following website: <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.

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](http://www.oa.mo.gov/ahc).

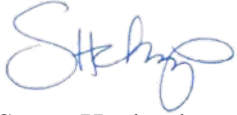


Todd Turner  
Page Two

If you have any questions regarding this permit, please do not hesitate to contact Jonathan Halla, at the Department of Natural Resources' 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

A handwritten signature in blue ink, appearing to read "S Heckenkamp".

Susan Heckenkamp  
New Source Review Unit Chief

SH:hja

Enclosures

c: Kansas City Regional Office  
PAMS File: 2020-03-036

Permit Number: 072020-009