



10/3/2014

Tim McDaniel
 Navistar, Inc. - SAP
 6125 Urbana Road
 P. O. Box 600
 Springfield, OH 45502

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
 Facility ID: 0812760220
 Permit Number: P0117558
 Permit Type: OAC Chapter 3745-31 Modification
 County: Clark

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
 77 South High Street, 17th Floor
 Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Regional Air Pollution Control Agency at (937)225-4435 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Erica R. Engel-Ishida, Interim Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA
RAPCA; Indiana



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
Navistar, Inc. - SAP**

Facility ID:	0812760220
Permit Number:	P0117558
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	10/3/2014
Effective:	10/3/2014



Division of Air Pollution Control
Permit-to-Install
for
Navistar, Inc. - SAP

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Final Permit-to-Install
Navistar, Inc. - SAP
Permit Number: P0117558
Facility ID: 0812760220
Effective Date: 10/3/2014

Authorization

Facility ID: 0812760220
Facility Description: heavy duty truck manufacturing
Application Number(s): A0047498
Permit Number: P0117558
Permit Description: Modification of two miscellaneous metal parts coating lines.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$400.00
Issue Date: 10/3/2014
Effective Date: 10/3/2014

This document constitutes issuance to:

Navistar, Inc. - SAP
6125 Urbana Road
P. O. Box 600
Springfield, OH 45502

of a Permit-to-Install for the emissions unit(s) identified on the following page.

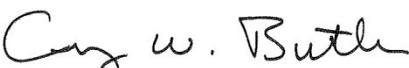
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Regional Air Pollution Control Agency
117 South Main Street
Dayton, OH 45422-1280
(937)225-4435

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Final Permit-to-Install
Navistar, Inc. - SAP
Permit Number: P0117558
Facility ID: 0812760220
Effective Date: 10/3/2014

Authorization (continued)

Permit Number: P0117558

Permit Description: Modification of two miscellaneous metal parts coating lines.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	K047
Company Equipment ID:	D92 Repair Air Dry Coating Booth
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	K048
Company Equipment ID:	D92 Repair Coating Booth and Oven
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install
Navistar, Inc. - SAP
Permit Number: P0117558
Facility ID: 0812760220
Effective Date: 10/3/2014

A. Standard Terms and Conditions



1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

- a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.



- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.
- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Regional Air Pollution Control Agency.



- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Regional Air Pollution Control Agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Regional Air Pollution Control Agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Regional Air Pollution Control Agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

- a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted



local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c) The permittee shall submit progress reports to the Regional Air Pollution Control Agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.



8. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Regional Air Pollution Control Agency.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Regional Air Pollution Control Agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s) not exempt from the requirement to obtain a Permit-to-Install.

11. Construction of New Sources(s) and Authorization to Install

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the



Director within a reasonable time before the termination date and the permittee shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.



13. Construction Compliance Certification

The applicant shall identify the following dates in the "Air Services" facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in "Air Services" once the transfer is legally completed. The change must be submitted through "Air Services" within thirty days of the ownership transfer date.

18. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

19. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.



Final Permit-to-Install
Navistar, Inc. - SAP
Permit Number: P0117558
Facility ID: 0812760220
Effective Date: 10/3/2014

B. Facility-Wide Terms and Conditions



1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

a) None.

2. 40 CFR Part 63, Subpart A

The permittee is subject to the general requirements specified in 40 CFR Part 63, Subpart A (including the table(s) and appendices referenced in Subpart A).

3. 40 CFR Part 63, Subpart M

a) The permittee shall comply with the applicable provisions of the NESHAP for Surface Coating of Miscellaneous Metal Parts and Products as promulgated by the United States Environmental Protection Agency under 40 CFR Part 63, Subpart M.

The final rules found in 40 CFR Part 63, Subpart M establish national emission standards for hazardous air pollutants (HAP), work practice standards, operating limitations, and compliance requirements for miscellaneous metal parts coating operations. The affected source is the collection of all of the following operations for or from the surface coating of miscellaneous metal parts and products:

- (1) all coating operations as defined in 40 CFR 63.3981;
- (2) all storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- (3) all manual and automated equipment and containers used for conveying coatings, thinners, other additives, purge, and cleaning materials; and
- (4) all storage containers and all manual and automated equipment and containers used for conveying waste materials generated by the coating operations.

b) The permittee, has chosen to use a combination of the “compliant material” and “without add-on control” options for these emissions units.

- (1) When using the “compliant material” option, the permittee shall not apply any coating in these emissions units with an organic HAP content greater than or equal to the limitation(s) contained in 40 CFR 63.3890; and all the thinners, additives, and cleaning/purge materials applied shall not contain organic HAP. If any individual coating applied does not meet the limitation of the rule, or any thinner, additive, and/or cleaning/purge material contains organic HAP, the mass average organic HAP emission rate shall be calculated as required in 40 CFR 63.3951 and 63.3952 for the compliance period.
- (2) When using the “without add-on control” option, the permittee shall maintain these emissions units in compliance with the applicable emission limitation at all times, as determined at the end of each month and on a rolling, 12-month basis following the initial compliance period, i.e., the mass average organic HAP emission rate shall be calculated each month as required in 40 CFR 63.3951 and 63.3952.



- c) The permittee shall comply with the applicable emissions limits operational limits and work practices of 40 CFR Part 63, Subpart Mmmm, including the following sections:

63.3890	Emissions limits
63.3892(a)	Operating limits
63.3893(a)	Work Practices
63.6(e)(1)	Start up Shutdown and Malfunction Plan

- d) The permittee shall comply with the applicable record keeping requirements of 40 CFR Part 63, Subpart Mmmm, including the following sections:

63.3930	Record keeping
63.3931	Records maintenance and duration
63.3940	Initial compliance demonstration date for compliant coatings
63.3941	Initial compliance demonstration procedures for compliant coatings
63.3942	Continuous compliance for compliant coatings
63.3950	Initial compliance demonstration without add-on controls
63.3951	Initial compliance demonstration procedures without add-on controls
63.3952	Continuous compliance without add-on controls

- e) The permittee shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart Mmmm, including the following sections:

63.3891(a)	Exceedance reporting for compliant coatings
63.3910	Notification requirements
63.3920(a)	Reporting requirements
63.3941(e)	Initial compliance reporting for compliant coatings
63.3951(e)	Initial compliance reporting without add-on controls

4. 40 CFR Part 63, Subpart Pppp

- a) The permittee shall comply with the applicable provisions of the NESHAP for Surface Coating of Plastic Parts and Products, as promulgated by the United States Environmental Protection Agency under 40 CFR Part 63, Subpart Pppp.

The final rules found in 40 CFR Part 63, Subpart Pppp establish national emission standards for HAP, work practice standards, operating limitations, and compliance requirements for plastic parts coating operations. The affected source is the collection of all of the following operations for or from the surface coating of plastic parts and products:



- (1) all coating operations as defined in 40 CFR 63.4581;
- (2) all storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- (3) all manual and automated equipment and containers used for conveying coatings, thinners, other additives, purge, and cleaning materials; and
- (4) all storage containers and all manual and automated equipment and containers used for conveying waste materials generated by the coating operations.

The permittee shall be subject to the requirements and limitations of this NESHAP on April 19, 2007, at which time the initial compliance period begins for the coating operations; and the initial compliance period ends on April 30, 2008.

b) The permittee, has chosen to use a combination of the “compliant material” and “without add-on control” options for these emissions units.

- (1) When using the “compliant material” option, the permittee shall not apply any coating in the coating operation(s) with an organic HAP content greater than or equal to the limitation(s) contained in 40 CFR 63.4490; and all the thinners, additives, and cleaning/purge materials applied shall not contain organic HAP. If any individual coating applied does not meet the limitation of the rule, or any thinner, additive, and/or cleaning/purge material contains organic HAP, the mass average organic HAP emission rate shall be calculated as required in 40 CFR 63.4551 and 63.4552 for the compliance period.
- (2) When using the “without add-on control” option, the permittee shall maintain the emissions unit(s) in compliance with the applicable emission limitation at all times, as determined at the end of each month and on a rolling, 12-month basis following the initial compliance period, i.e., the mass average organic HAP emission rate shall be calculated each month as required in 40 CFR 63.4551 and 63.4552.

c) The permittee shall comply with the applicable emissions limits operational limits and work practices of 40 CFR Part 63, Subpart PPPP, including the following sections:

63.4490(b)(1)	Emissions limits
63.4492	Operating limits
63.4493	Work Practices
63.6(e)(1)	Start up Shutdown and Malfunction Plan

d) The permittee shall comply with the applicable record keeping requirements of 40 CFR Part 63, Subpart PPPP, including the following sections:

63.4530	Record keeping
63.4531	Records maintenance and duration
63.4540	Initial compliance demonstration date for compliant coatings
63.4541	Initial compliance demonstration procedures for compliant coatings



63.4542	Continuous compliance for compliant coatings
63.4550	Initial compliance demonstration without add-on controls
63.4551	Initial compliance demonstration procedures without add-on controls
63.4552	Continuous compliance without add-on controls

- e) The permittee shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart P, including the following sections:

63.4510	Notification requirements
63.4520	Reporting requirements



Final Permit-to-Install
Navistar, Inc. - SAP
Permit Number: P0117558
Facility ID: 0812760220
Effective Date: 10/3/2014

C. Emissions Unit Terms and Conditions



1. K047, D92 Repair Air Dry Coating Booth

Operations, Property and/or Equipment Description:

Miscellaneous metal parts coating - paint repair booth that never uses more than eight gallons of coating per day.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) ORC 3704.03(T)	The volatile organic compound (VOC) emissions from coating use shall not exceed 0.90 ton as a rolling twelve-month average. The emissions limitation specified by this rule for particulate emissions is equivalent to the requirements established pursuant to OAC rule 3745-17-11(C). See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-11(C)	See c)(1), c)(2) and d)(3) through d)(5).
c.	OAC rule 3745-21-09(U)(2)(e)(i)	The permittee shall not use more than 8 gallons of coating material per day for the coating of miscellaneous metal parts.
d.	40 CFR Part 63 Subpart MMMM	See Section B.3.
e.	40 CFR Part 63 Subpart PPPP	See Section B.4.

(2) Additional Terms and Conditions

a. The 0.90 ton VOC as a rolling 12-month emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.



c) Operational Restrictions

- (1) The permittee shall install and operate a water wash or dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the water wash or dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
- (2) In the event the water wash or particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each day for the coating line.
 - a. the identification of each coating and thinner employed;
 - b. the volume, in gallons, of each coating and thinner employed; and
 - c. the total volume, in gallons, of all of the coatings and thinners employed.
- (2) The permittee shall collect and record the following information on a monthly basis for the coating and cleanup materials applied in this emissions unit:
 - a. the volume, in gallons, of each coating applied;
 - b. the VOC content (including water and exempt solvents) of each coating applied;
 - c. the total VOC emissions from all coatings applied (the sum of the d)(2)a. times d)(2)b. for all the individual coatings applied);

These monthly records shall be maintained for the purpose of determining annual VOC emissions for the emissions unit.

- (3) The permittee shall conduct periodic inspections of the water wash or dry filtration system to determine whether it is operating in accordance with the manufacturers recommendations, instructions, and/or operating manual and/or in accordance with any documented modifications deemed necessary by the permittee. The inspection frequency shall be based upon the recommendation of the manufacturer.
- (4) In addition to the recommended periodic inspections, the permittee shall conduct a comprehensive inspection of the water wash or dry filtration system at least once per year while the coating operations are shut down and shall perform any needed maintenance and repair.



- (5) The permittee shall maintain the following information for the water wash and dry filtration system:
- a. documentation of the manufacturer's recommendations, instructions, or operating manual, along with documentation of any modifications deemed necessary by the permittee;
 - b. any period(s) of time when the water wash and dry filtration system was not in service when the emissions unit was in operation;
 - c. any period(s) of time (during coating operations) when the water wash or dry filtration system was not operating according to the manufacturers recommendations and/or according to documented modifications to the manufacturer's recommendations deemed necessary by the permittee; and
 - d. records for each inspection (periodic and annual) of the water wash and dry filtration system to include the following information:
 - i. the date of the inspection;
 - ii. a description of each/any problem identified and the date it was corrected;
 - iii. a description of any maintenance and repairs performed and the date; and
 - iv. the name of person who performed the inspection.

The manufacturer's operation manual, along with any documented modifications determined necessary by the permittee, shall be maintained at the facility at all times. Records of malfunction, maintenance, and inspections of the water wash and dry filtration system shall be maintained for a period of not less than five years from the date of record and shall be made available to the Ohio EPA upon request.

e) Reporting Requirements

- (1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify any exceedances of the 0.90 ton VOC as a rolling twelve-month average emissions limitation. The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.



f) Testing Requirements

(1) Compliance with the Emission Limitations specified in b) shall be determined in accordance with the following methods:

a. Emissions Limitation:

The VOC emissions from coatings use shall not exceed 0.90 ton as a rolling twelve-month average.

Applicable Compliance Method:

Compliance is based on the maximum coating application rate of eight gallons per day multiplied by the worst case VOC content of 7.40 pounds of VOC per gallon and 365 days per year of operation divided by 2,000 pounds per ton and divided by 12 months.

b. Emissions Limitation:

Use no more than 8 gallons of coating material per day for the coating of miscellaneous metal parts.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(1).

g) Miscellaneous Requirements

(1) None.



2. K048, D92 Repair Coating Booth and Oven

Operations, Property and/or Equipment Description:

miscellaneous metal parts coating - paint repair booth with drying oven that uses compliant coatings

- a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.

- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) ORC 3704.03(T) As effective November 30, 2001	The emissions limitation specified by this rule for volatile organic compound (VOC) emissions is equivalent to the requirements established pursuant to OAC rule 3745-21-09(U)(1)(d), 40 CFR Part 63, Subpart Mmmm and 40 CFR Part 63, Subpart Pppp. The emissions limitation specified by this rule for particulate emissions is equivalent to the requirements established pursuant to OAC rule 3745-17-11(C). See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) As effective December 1, 2006	See b)(2)b.
c.	OAC rule 3745-17-11(C)	See c)(1), c)(2) and d)(3) through d)(5).
d.	OAC rule 3745-21-09(U)(1)(d)	The VOC content of the coatings applied in this emissions unit shall not exceed 3.5 pounds of VOC per gallon of coating excluding water and exempt solvents, as a daily volume-weighted average.
e.	40 CFR Part 63 Subpart Mmmm	See Section B.3.
f.	40 CFR Part 63 Subpart Pppp	See Section B.4.



- (2) Additional Terms and Conditions
- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.
 - b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than 10 tons/year. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.
- c) Operational Restrictions
- (1) The permittee shall install and operate a water wash or dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (2) In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee, having chosen to demonstrate compliance by means of a daily volume-weighted average VOC content, shall collect and record the following information each day:
 - a. the name and identification of each coating, as applied;
 - b. the mass of VOC per volume of coating (excluding water and exempt solvents) and the volume, in gallons, (excluding water and exempt solvents) of each coating, as applied; and
 - c. the daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for $C_{VOC,2}$, as follows:



$$(C_{voc,2})_A = \frac{\sum_i^n C_{voc,2i} L_{ci} (V_{si} + V_{voci})}{\sum_i^n L_{ci} (V_{si} + V_{voci})}$$

where:

$(C_{VOC,2})_A$ = daily volume-weighted average VOC content of all coatings, as applied.

$C_{VOC,2}$ = the VOC content in pounds of VOC per gallon of coating, excluding water and exempt solvents, calculated as follows:

$$C_{voc,2} = \frac{(D_c) (W_{voc})}{V_s + V_{voc}}$$

D_C = density of coating, in pounds of coating per gallon of coating.

V_S = the volume fraction of solids in coating, in gallons of solids per gallon of coating.

$$W_{voc} = W_{vm} - W_w - W_{ES}$$

W_{VM} = weight fraction of volatile matter in coating, in pound of volatile matter per pound of coating.

W_W = weight fraction of water in coating, in pound of water per pound of coating.

W_{ES} = weight fraction of exempt solvent in coating, in pound of exempt solvent per pound of coating.

$$V_{voc} = V_{vm} - V_w - V_{ES}$$

V_{VM} = volume fraction of volatile matter in coating, in gallon of volatile matter per gallon of coating.

V_W = volume fraction of water in coating, in gallon of water per gallon of coating.

V_{ES} = volume fraction of exempt solvent in coating, in gallon of exempt solvent per gallon of coating.

A = subscript denoting that the indicated VOC content is a weighted average of the coatings employed during time period Δt .

L_C = liquid volume of coating employed during time period Δt , in gallons of coating.

M_C = mass of coating employed during the time period Δt , in pounds of coating.

i = subscript denoting a specific coating employed during time period Δt .



n = total number of coatings employed during time period Δt .

t = time period specified for the weighted average VOC content.

- (2) The permittee shall collect and record the following information on a monthly basis for the coatings applied in this emissions unit:
 - a. the volume, in gallons, of each coating applied;
 - b. the VOC content (including water and exempt solvents) of each coating applied;
 - c. the total VOC emissions from all coatings applied (the sum of the d)(2)a. times d)(2)b. for all the individual coatings applied);

These monthly records shall be maintained for the purpose of determining annual VOC emissions for the emissions unit.

- (3) The permittee shall conduct periodic inspections of the water wash and dry filtration system to determine whether it is operating in accordance with the manufacturers recommendations, instructions, and/or operating manual and/or in accordance with any documented modifications deemed necessary by the permittee. The inspection frequency shall be based upon the recommendation of the manufacturer.
- (4) In addition to the recommended periodic inspections, the permittee shall conduct a comprehensive inspection of the water wash and dry filtration system at least once per year while the coating operations are shut down and shall perform any needed maintenance and repair.
- (5) The permittee shall maintain the following information for the water wash and dry filtration system:
 - a. documentation of the manufacturer's recommendations, instructions, or operating manual, along with documentation of any modifications deemed necessary by the permittee;
 - b. any period(s) of time when the water wash or dry filtration system was not in service when the emissions unit was in operation;
 - c. any period(s) of time (during coating operations) when the water wash or dry filtration system was not operating according to the manufacturers recommendations and/or according to documented modifications to the manufacturer's recommendations deemed necessary by the permittee; and
 - d. records for each inspection (periodic and annual) of the water wash or dry filtration system to include the following information:
 - i. the date of the inspection;
 - ii. a description of each/any problem identified and the date it was corrected;



- iii. a description of any maintenance and repairs performed and the date; and
- iv. the name of person who performed the inspection.

The manufacturer's operation manual, along with any documented modifications determined necessary by the permittee, shall be maintained at the facility at all times. Records of malfunction, maintenance, and inspections of the water wash and dry filtration system shall be maintained for a period of not less than five years from the date of record and shall be made available to the Ohio EPA upon request.

e) Reporting Requirements

- (1) The permittee shall notify the Ohio EPA district office or local air agency in writing of any daily record showing the daily volume-weighted average VOC content in excess of 3.5 pounds of VOC per gallon excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the appropriate Ohio EPA district office or local air agency within 45 days after the exceedance occurs for the daily volume-weighted average option.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify any deviations from the emission limitations, operational restrictions and/or control device operating parameter limitations. The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (3) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations specified in b) shall be determined in accordance with the following methods:

a. Emissions Limitation –

The VOC content of the coatings applied in this emissions unit shall not exceed 3.5 pounds of VOC per gallon of coating excluding water and exempt solvents, as a daily volume-weighted average.

Applicable Compliance Method –

Compliance shall be based upon the record keeping requirements of d)(1) and manufacturer coating formulation data. If requested, the VOC content of any coating shall be determined according to the requirements of U.S. EPA Reference Method 24 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

- (1) None.