



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
DEFIANCE COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.
Center

Application No: 03-10979

DATE: 10/28/2003

GM Powertrain Group, Defiance Plant
Dennis Veith
26437 St Rte 281 E
Defiance, OH 435120070

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

A handwritten signature in cursive script that reads "Michael W. Ahern".

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 10/28/2003
Effective Date: 10/28/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-10979

Application Number: 03-10979
APS Premise Number: 0320010001
Permit Fee: \$0
Name of Facility: GM Powertrain Group, Defiance Plant
Person to Contact: Dennis Veith
Address: 26437 St Rte 281 E
Defiance, OH 435120070

Location of proposed air contaminant source(s) [emissions unit(s)]:
**26427 St Rte 281 E
Defiance, Ohio**

Description of proposed emissions unit(s):
Modification to PTI 03-10979, issued 6/19/03. Modification involves correcting errors from the original permit, issued 2/11/98.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. 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:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. 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:
 - i. Reports of any required monitoring and/or record keeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. 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 record keeping 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 appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., 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.
- iv. 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.

2. 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 appropriate Ohio EPA District Office or local air 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).

3. 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.

4. 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.

5. Severability Clause

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.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. 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 reissuance, or modification, or for denial of a permit renewal application.
- 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, reopened, 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, reopening 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.

7. 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 this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that 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, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. 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:
 - i. 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.
 - ii. 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.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. 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 appropriate Ohio EPA District Office or local air 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:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. 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.

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Modification Issued: 10/28/2003

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10. Permit To Operate Application

- a. If 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 the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. 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.

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B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air 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 record keeping 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 appropriate Ohio EPA District Office or local air 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, i.e., 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.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete

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within a reasonable time a continuing program of installation or modification. 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 party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. 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 the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install 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.

6. 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.

7. Applicability

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This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

8. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	13.14

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PTI Application: 03-10070
Modif

Facility ID: 0320010001

Emissions Unit ID: **F004**

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
<p>F004 - Magnetic metal separation and storage. This permit serves as an Administrative modification to PTI 03-10979, originally issued 5/11/98 and modified on 6/19/03. This modification involves correcting errors from the original permit.</p>	<p>OAC rule 3745-31-05 (A)(3)</p> <p>OAC rule 3745-17-07 (B)</p> <p>OAC rule 3745-17-08 (B)</p>
<p>screening, conveyor and truck loading - core waste crushing, screening, and truck loading operations</p>	<p>OAC rule 3745-31-05 (A)(3)</p>
<p>load-in and load-out of storage piles (See A.I.2.f. for identification of storage piles.)</p>	<p>OAC rule 3745-31-05 (A)(3)</p>
<p>wind erosion from storage piles (See A.I.2.f. for identification of storage piles.)</p>	<p>OAC rule 3745-31-05 (A)(3)</p>

Applicable Emissions
Limitations/Control
Measures

6.57 tons particulate
emissions (PE)/yr

visible emissions of fugitive dust (See
A.I.2.g.and A.I.2.h.)

See A.I.2.c.

See A.I.2.c.

opacity restrictions (See
A.I.2.b.)

best available control
measures that are sufficient
to minimize or eliminate
visible emissions of fugitive
dust (See A.I.2.d.and
A.I.2.e.)

opacity restrictions (See
A.I.2.b)

best available control
measures that are sufficient
to minimize or eliminate
visible emissions of fugitive
dust (See A.I.2.d.and
A.I.2.e.)

Visible PE shall not exceed
0% opacity, except for a
period of time not to exceed
one minute during any 60-
minute period.

best available control
measures that are sufficient
to minimize or eliminate

2. Additional Terms and Conditions

2.a The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

magnetic metal separation, screening, conveyor and truck loading - core waste crushing, screening, truck loading operations, and load in and load out of the storage piles.

2.b Visible PE shall not exceed the following opacity restrictions:

- i. 10% opacity, as a 6-minute average from transfer points on belt conveyors, crushing, screening and magnetic separating operations; and
- ii. 20% opacity, as a 3-minute average from truck loading, front end loading, and truck loading and conveyor discharge to storage piles.

2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3475-31-05 (A)(3).

2.d The permittee shall employ best available control measures on all of the material handling operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the material handling operations with the following methods in order to ensure compliance:

- i. Minimizing the drop height between material transfer points; and
- ii. Applying water as a dust suppressant as needed.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The above-mentioned control measure(s) shall be employed for each material handling operation if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. The permittee shall maintain use of the control measures until it is determined they are no longer necessary.

2.f The storage piles that are covered by this permit and subject to the requirements of OAC rule 3475-31-05 (A)(3) are listed below:

storage pile identification: all metal separation and exempt waste storage piles

- 2.g** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to apply water as a dust suppressant, as needed, to the storage piles.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.h** The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

- 1.** The permittee shall maintain annual records of the total tons of material processed in this emissions unit.
- 2.** Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following minimum frequencies:

material handling operation(s): all magnetic metal separation, screening, conveyor and truck loading - core waste crushing, screening, truck loading operations, and load in and load out of the storage piles

minimum inspection frequency: daily, during normal operations

- 3.** Visible emissions observations shall not be required to follow the procedures specified in 40 CFR Part 60, Appendix A, Method 9 or Method 22.
- 4.** The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

5. The permittee shall maintain records of the following information:
- a. The date and reason any required inspection was not performed;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement additional control measure(s);
 - c. The dates the additional control measure(s) was (were) implemented as a result of an inspection conducted in accordance with this permit; and
 - d. On a calendar quarter basis, the total number of days additional control measure(s) was (were) implemented as a result of an inspection conducted in accordance with this permit.

The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

6. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed the next day after such event(s) has (have) ended.
7. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
8. The permittee shall maintain records of the following information:
- a. The date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. The dates the control measures were implemented; and
 - d. On a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 8.d. shall be kept separately for (I) the load-in operations, (ii) the load-

out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with paragraph A.I.c.ii. of the General Terms and Conditions of this permit, that identify any of the following occurrences for material handling operations:
 - a. Each day during which an inspection was not performed by the required frequency; and
 - b. Each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The permittee shall submit deviation reports in accordance with paragraph A.I.c.ii. of the General Terms and Conditions of this permit that identify any of the following occurrences:
 - a. Each day during which an inspection of the pile surfaces (wind erosion) was not performed by the required frequency, excluding a storage pile surface inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I.1. of the Terms and Conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
6.57 tons PE/yr

Applicable Compliance Method:
Compliance with the annual limitation may be determined by summing the PE from the three emissions generating activities: material handling, wind erosion of storage piles, and core waste crushing and screening. PE will be calculated for the material handling operations (including storage pile load-in/out) utilizing AP-42 emission factors, Section 13.2.4 (1/95); for the storage piles (i.e. wind erosion) utilizing U.S. EPA's "Handbook: Dust Control at Hazardous Waste Sites" (EPA/540/2-85/003, 11/85, pg 4-2) and Ohio EPA's RACM Document Table 2.1.2-2 (for silt loading percentages); and for the core waste crushing and screening operations utilizing AP-42 emissions factors, Section 11.19.2 (6/03)."
 - b. Emission Limitation:
Visible PE shall not exceed 10% opacity, as a 6-minute average from transfer points on

belt conveyors, crushing, screening and magnetic separating operations.

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

c. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 3-minute average from truck loading, front end loading, and conveyor discharge to storage piles.

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

d. Emission Limitation:

Visible PE shall not exceed 0% opacity, except for a period of time not to exceed one minute during any 60-minute period from wind erosion of the storage piles.

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - Magnetic metal separation and storage.	None	None

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
F005 - Magnetic metal separation and storage. This permit serves as an Administrative modification to PTI 03-10979, originally issued 5/11/98 and modified on 6/19/03. This modification involves correcting errors from the original permit.	OAC rule 3745-31-05 (A)(3) OAC rule 3745-17-07 (B) OAC rule 3745-17-08 (B)
screening, conveyor and truck loading - core waste crushing, screening, and truck loading operations	OAC rule 3745-31-05 (A)(3)
load-in and load-out of storage piles (See A.I.2.f. for identification of storage piles.)	OAC rule 3745-31-05 (A)(3)
wind erosion from storage piles (See A.I.2.f. for identification of storage piles.)	OAC rule 3745-31-05 (A)(3)

GM P

PTI A

Modification Issued: 10/28/2003

Emissions Unit ID: F005

Applicable Emissions Limitations/Control Measures	
6.57 tons particulate emissions (PE)/yr	<p>minute period.</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.g.and A.I.2.h.)</p> <p>See A.I.2.c.</p> <p>See A.I.2.c.</p>
opacity restrictions (See A.I.2.b.)	
best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.d.and A.I.2.e.)	
opacity restrictions (See A.I.2.b)	
best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.d.and A.I.2.e.)	
Visible PE shall not exceed 0% opacity, except for a period of time not to exceed one minute during any 60-	

2. Additional Terms and Conditions

2.a The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

magnetic metal separation, screening, conveyor and truck loading - core waste crushing, screening, truck loading operations, and load in and load out of the storage piles.

2.b Visible PE shall not exceed the following opacity restrictions:

i. 10% opacity, as a 6-minute average from transfer points on belt conveyors, crushing, screening and magnetic separating operations; and

ii. 20% opacity, as a 3-minute average from truck loading, front end loading, and truck loading and conveyor discharge to storage piles.

2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3475-31-05 (A)(3).

2.d The permittee shall employ best available control measures on all of the material handling operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the material handling operations with the following methods in order to ensure compliance:

i. Minimizing the drop height between material transfer points; and

ii. Applying water as a dust suppressant as needed.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The above-mentioned control measure(s) shall be employed for each material handling operation if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. The permittee shall maintain use of the control measures until it is determined they are no longer necessary.

2.f The storage piles that are covered by this permit and subject to the requirements of OAC rule 3475-31-05 (A)(3) are listed below:

storage pile identification: all metal separation and exempt waste storage piles

- 2.g** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to apply water as a dust suppressant, as needed, to the storage piles.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.h** The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

- 1.** The permittee shall maintain annual records of the total tons of material processed in this emissions unit.
- 2.** Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following minimum frequencies:

material handling operation(s): all magnetic metal separation, screening, conveyor and truck loading - core waste crushing, screening, truck loading operations, and load in and load out of the storage piles

minimum inspection frequency: daily, during normal operations

- 3.** Visible emissions observations shall not be required to follow the procedures specified in 40 CFR Part 60, Appendix A, Method 9 or Method 22.
- 4.** The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

5. The permittee shall maintain records of the following information:
 - a. The date and reason any required inspection was not performed;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement additional control measure(s);
 - c. The dates the additional control measure(s) was (were) implemented as a result of an inspection conducted in accordance with this permit; and
 - d. On a calendar quarter basis, the total number of days additional control measure(s) was (were) implemented as a result of an inspection conducted in accordance with this permit.

The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

6. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed the next day after such event(s) has (have) ended.
7. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
8. The permittee shall maintain records of the following information:
 - a. The date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. The dates the control measures were implemented; and
 - d. On a calendar quarter basis, the total number of days the control measures were

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implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 8.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with paragraph A.I.c.ii. of the General Terms and Conditions of this permit, that identify any of the following occurrences for material handling operations:
 - a. Each day during which an inspection was not performed by the required frequency; and
 - b. Each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The permittee shall submit deviation reports in accordance with paragraph A.I.c.ii. of the General Terms and Conditions of this permit that identify any of the following occurrences:
 - a. Each day during which an inspection of the pile surfaces (wind erosion) was not performed by the required frequency, excluding a storage pile surface inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I.1. of the Terms and Conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
6.57 tons PE/yr

Applicable Compliance Method:

Compliance with the annual limitation may be determined by summing the PE from the three emissions generating activities: material handling, wind erosion of storage piles, and core waste crushing and screening. PE will be calculated for the material handling operations (including storage pile load-in/out) utilizing AP-42 emission factors, Section 13.2.4 (1/95); for the storage piles (i.e. wind erosion) utilizing U.S. EPA's "Handbook: Dust Control at Hazardous Waste Sites" (EPA/540/2-85/003, 11/85, pg 4-2) and Ohio EPA's RACM Document Table 2.1.2-2 (for silt loading percentages); and for the core

waste crushing and screening operations utilizing AP-42 emissions factors, Section 11.19.2 (6/03)."

- b. Emission Limitation:
Visible PE shall not exceed 10% opacity, as a 6-minute average from transfer points on belt conveyors, crushing, screening and magnetic separating operations.
- Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.
- c. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 3-minute average from truck loading, front end loading, and conveyor discharge to storage piles.
- Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.
- d. Emission Limitation:
Visible PE shall not exceed 0% opacity, except for a period of time not to exceed one minute during any 60-minute period from wind erosion of the storage piles.
- Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F005 - Magnetic metal separation and storage.	None	None

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None