State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

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MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

8/19/2008

Certified Mail
Facility ID: 0387000376
Permit Number: P0087900
County: Wood

Jeff Richards
Charter Steel
6255 U.S. Highway 23 South
Risingsun, OH 43457

RE: DRAFT AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, The Sentinel-Tribune. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.state.oh.us/dapc in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*
Ohio EPA-NWDO; Michigan; Indiana

Wood County

PUBLIC NOTICE
ISSUANCE OF DRAFT AIR POLLUTION Title V Permit
Charter Steel

Issue Date: 8/19/2008
Permit Number: P0087900
Permit Type: Renewal
Permit Description: Renewal Title V Application
Facility ID: 0387000376
Facility Location: Charter Steel
6255 U.S. Highway 23 South,
Risingsun, OH 43457
Facility Description: Metal Heat Treating

Chris Korleski, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio, has issued a draft action of an air pollution control Title V operating permit for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Donald Waltermeyer at Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road or (419)352-8461. The permit, which includes a detailed description of the operations, and associated statement of basis for the permit requirements, can be downloaded from the Web page: www.epa.state.oh.us/dapc

Statement of Basis For Title V Permit

Part I - General	
Company Name	Charter Steel - Risingsun, Ohio
Premise Number	0387000376
What makes this facility a Title V facility?	HAPs
Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	YES
Were there any Acommon control@ issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	NO
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A
Please identify the affected unit(s)and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC3	N/A

rule 3745-77-08(D)	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	N/A

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2	77-07		Lists insignificant emission units subject to a PTI and/or one or more applicable requirements.
B.3		40 CFR, Part 63, Subpart CCC	States applicability of 40 CFR, Part 63, Subpart CCC.
B.5		40 CFR, Part 64	States applicability of CAM rule.

X **Instructions for Part II:**

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an AN@ in the column under ASIP.@ If the basis for the term

and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a AY@ should be noted in the AOther@ column, and if not, an AN@ should be noted. Whether the basis for the term and condition is the ASIP@ or AOther,@ an explanation of each term and condition in Part II must be provided in the AComments@ section.

Part III (Requirements Within the State and Federally Enforceable Section)
Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.

EU(s)	Limitation	Basis		N	OR	M	S	ENF	R	St	Rp	S	ET	Misc	Comments
		SIP (3745-)	Other												
P001	None	17-07(A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC Rule 3745-17-07 (A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P901	None	17-07(A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P901	None	17-07(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-This emissions unit is exempt from the visible particulate emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because this fugitive dust source is not located within the geographical areas specified in Appendix A of OAC rule 3745-17-08. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P901	None	17-08(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-This emissions unit is exempt from the requirements specified in OAC rule 3745-17-08(B), pursuant to OAC rule 3745-17-08(A)(1), because this fugitive dust source is not located within the geographical areas specified in Appendix A of OAC rule 3745-17-08. M, R, Rp & ET-There are no emissions limitations

															established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P001	None	17-11(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds/hour.* Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14). *The burning of natural gas is the only source of PE from this emissions unit. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P901	None	17-11(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P001	Exempt	18-06(E)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-There are no sulfur dioxide emission limitations established by OAC Chapter 3745-18 for this emissions unit because the process weight rate is less than 1,000 pounds/hour. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P001	None	21-08(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND-The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

															On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P001	12.2 lbs HCl/hr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR-The pressure drop across the scrubber shall be maintained within 5.5-7.5 inches of H2O, the scrubbing liquid recirculation rate shall be maintained within the range of 100-300 gallons per minute, the scrubbing liquid pH shall be maintained within the range of 5.5-8.5 and the makeup water flow rate shall be maintained within the range of 1-2.5 gallons per minute. M & R include once/shift records of scrubber pressure drop, scrubber liquid recirculation rate, scrubber liquid pH and scrubber makeup water flow rate. A CEM is not economically justified. CAM is not currently applicable.
P001	53.4 tons HCl/yr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR-The pressure drop across the scrubber shall be maintained within 5.5-7.5 inches of H2O, the scrubbing liquid recirculation rate shall be maintained within the range of 100-300 gallons per minute, the scrubbing liquid pH shall be maintained within the range of 5.5-8.5 and the makeup water flow rate shall be maintained within the range of 1-2.5 gallons per minute. M & R include once/shift records of scrubber pressure drop, scrubber liquid recirculation rate, scrubber liquid pH and scrubber makeup water flow rate. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on maximum hourly

															potential to emit and actual annual hours of operation are sufficient to show compliance.
P001	0.6 lb NOx/hr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR- Combust only natural gas. Monitoring includes type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the controlled (with low NOx burners) emission factor from AP-42, Table 1.4-1 (revised 7/98) of 50 lbs NOx/mm cu. ft. are sufficient to show compliance.
P001	2.6 tons NOx/yr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR- Combust only natural gas. Monitoring includes type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on maximum hourly potential to emit and actual annual hours of operation are sufficient to show compliance.
P001	0.1 lb PE/hr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR-The pressure drop across the scrubber shall be maintained within 5.5-7.5 inches of H2O, the scrubbing liquid recirculation rate shall be maintained within the range of 100-300 gallons per minute, the scrubbing liquid pH shall be maintained within the range of 5.5-8.5, the makeup water flow rate shall be maintained within the range of 1-2.5 gallons per minute and combust only natural gas. M & R include once/shift records of scrubber pressure drop, scrubber liquid recirculation rate, scrubber liquid pH, scrubber makeup water flow rate and type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft. are sufficient to show compliance.
P001	0.4 ton PE/yr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR-The pressure drop across the scrubber shall be maintained within 5.5-7.5 inches of H2O, the

															scrubbing liquid recirculation rate shall be maintained within the range of 100-300 gallons per minute, the scrubbing liquid pH shall be maintained within the range of 5.5-8.5, the makeup water flow rate shall be maintained within the range of 1-2.5 gallons per minute and combust only natural gas. M & R include once/shift records of scrubber pressure drop, scrubber liquid recirculation rate, scrubber liquid pH, scrubber makeup water flow rate and type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on maximum hourly potential to emit and actual annual hours of operation are sufficient to show compliance.
P001	1.0 lbs CO/hr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR- Combust only natural gas. Monitoring includes type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the emission factor from AP-42, Table 1.4-1 (revised 7/98) of 84 lbs CO/mm cu. ft. are sufficient to show compliance.
P001	4.4 tons CO/yr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR- Combust only natural gas. Monitoring includes type of fuel and fuel usage. A CEM is not economically justified. CAM is not currently applicable. ET-Calculations based on maximum hourly potential to emit and actual annual hours of operation are sufficient to show compliance.
P901	0.01 gr PE/dscf	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET-The PE/dscf emission limitation was established in accordance with the maximum outlet concentration for the baghouse.
P901	0.81 lb PE/hr	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET-Calculations based on multiplying 0.01 gr PE/dscf by the maximum volumetric air flow of 9,500 dscfm, and the appropriate conversion factors of 7000 grains/lb and 60 minutes/hr are sufficient to show compliance.

P901	3.55 tons PE/yr	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET-Calculations based on maximum hourly potential to emit and actual annual hours of operation are sufficient to show compliance.
P901	2.51 tons fugitive PE/yr	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET-Calculations based on multiplying the maximum process weight (108,098 tons iron/yr) by the appropriate emissions factor from An Inventory of Iron Foundry Emissions, Bernard S. Gutow, Modern Castings, January 1972 (15.5 lbs PE/ton), the percentage of emissions not captured by the control system (99.0%), a control efficiency for building enclosure (70.0%), and a conversion factor of 1 ton/2000 lbs are sufficient to show compliance.
P901	Visible particulate fugitive emissions from this emissions unit shall not exceed 20% opacity as a 3-minute average.	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET-The M, R & Rp requirements are sufficient to demonstrate compliance without requiring forma l Method 9 readings being conducted.
P001	18 ppmv HCl	N	40 CFR, Part 63, Subpart CCC	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR-The pressure drop across the scrubber shall be maintained within 5.5-7.5 inches of H2O, the scrubbing liquid recirculation rate shall be maintained within the range of 100-300 gallons per minute, the scrubbing liquid pH shall be maintained within the range of 5.5-8.5 and the makeup water flow rate shall be maintained within the range of 1-2.5 gallons per minute. M & R include once/shift records of scrubber pressure drop, scrubber liquid recirculation rate, scrubber liquid pH and scrubber makeup water flow rate. A CEM is not economically justified. CAM is not currently applicable.

EU = emissions unit ID
ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)

OR = operational restriction
M = monitoring requirements
St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement
ENF = did noncompliance issues drive the monitoring requirements?
R = record keeping requirements
Rp = reporting requirements
ET = emission testing requirements (not including compliance method terms)
Misc = miscellaneous requirements

X **Instructions for Part III:**

X All non-insignificant EUs must be included in this table. For each EU, or group of similar EUs, each emission limitation and control requirement specified in section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.

X If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an AN@ in the column under ASIP.@ If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a AY@ should be noted in the AOther@ column, and if not, an AN@ should be noted. If the basis for the term and condition is AOther,@ an explanation of the basis must be provided in the AComments@ section. If OAC rule 3745-31-05 is cited in the AOther@ column, please indicate in the AComments@ section whether or not <u>all</u> of the requirements have been transferred from the permit to install.

$ To complete the remainder of the table after ABasis,@ except for the AComments@ section, simply specify a AY@ for yes or an AN@ for no. For the AM,@ AR,@ ARp,@ and AET@ columns, if AN@ is specified, there should be a brief explanation in the AComments@ section as to why there are no requirements. If a brief explanation is provided in the AComments@ section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the AComments@ section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value) corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the AMonitoring,@ ARecord Keeping,@ or AReporting@ requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the AMonitoring,@ ARecord Keeping,@ or AReporting@ requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an emission test frequency, a simple note referencing the Engineering Guide in the AComments@ section would be sufficient.

Also, if a AY@ is noted under AOR,@ AMisc,@ ASt,@ AND,@ or AENF@ an explanation of the requirements must be provided in the AComments@ section. In addition
to a general explanation of the AOR,@ AMisc,@ ASt,@ AND,@ and/or AENF@ the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.

2. If a control plan and schedule is included in the AMiscellaneous Requirements@ section of the permit, provide an explanation in the AComments@ section of the violation, basis for the violation, and the company=s proposed control plan and schedule.
3. If the AND@ column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.

A. If the AENF@ column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an AN@ is noted in the AOR,@ AMisc,@ ASt,@ AND,@ or AENF@ columns.

X **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Please provide enough of a description for someone wishing to review the changes to the permit language to be able to identify where the change is made in the permit document. This brief description should be identified in the appropriate row in the first table of this form by replacing the AN/A@ in the applicable row(s). Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the AComments@ area. Please update the term-specific text in the SOB as warranted (full insertion or replacement is acceptable; bold italic and strike out is not needed). Note all modification/reopening rows should remain AN/A@ when developing the SOB during the initial permit development. Note: APA=s and Off-permit changes do not need to be noted in the SOB.

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

DRAFT

Air Pollution Title V Permit
for
Charter Steel

Facility ID: 0387000376
Permit Number: P0087900
Permit Type: Renewal
Issued: 8/19/2008
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Title V Permit
for
Charter Steel

Table of Contents

Authorization 1
A. Standard Terms and Conditions 2
1. Federally Enforceable Standard Terms and Conditions 3
2. Monitoring and Related Record Keeping and Reporting Requirements 3
3. Scheduled Maintenance 6
4. Risk Management Plans 6
5. Title IV Provisions 6
6. Severability Clause 7
7. General Requirements 7
8. Fees 8
9. Marketable Permit Programs 8
10. Reasonably Anticipated Operating Scenarios 8
11. Reopening for Cause 8
12. Federal and State Enforceability 9
13. Compliance Requirements 9
14. Permit Shield 10
15. Operational Flexibility 10
16. Emergencies 11
17. Off-Permit Changes 11
18. Compliance Method Requirements 11
19. Insignificant Activities or Emissions Levels 12
20. Permit to Install Requirement 12
21. Air Pollution Nuisance 12
22. Permanent Shutdown of an Emissions Unit 12
23. Title VI Provisions 12
24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only 13
25. Records Retention Requirements Under State Law Only 13
26. Inspections and Information Requests 13
27. Scheduled Maintenance/Malfunction Reporting 14
28. Permit Transfers 14

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 14

B. Facility-Wide Terms and Conditions 15

C. Emissions Unit Terms and Conditions 18

1. P001, Pickling Line #1 19

2. P901, Shotblast Unit #1 28

Authorization

Facility ID: 0387000376
Facility Description: Metal Heat Treating and Cold Finishing of Steel Shapes.
Application Number(s): A0018987, A0018988
Permit Number: P0087900
Permit Description: Renewal Title V Application
Permit Type: Renewal
Issue Date: 8/19/2008
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Charter Steel
6255 U.S. Highway 23 South
Risingsun, OH 43457

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

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. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
(Authority for term: ORC 3704.036(A))

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.
(Authority for term: OAC rule 3745-77-07(A)(5))

6. 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.
(Authority for term: OAC rule 3745-77-07(A)(6))

7. 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, in accordance with Standard Term and Condition A.11 below. 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.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate

statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. 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.
(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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 paragraph (E) of OAC rule 3745-77-03.

(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 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:

(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.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the

Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.
(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the

permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.
(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible 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 responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from 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, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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 (i.e., postmarked) 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.)

25. Records Retention Requirements Under State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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 verbal or written request, the permittee shall also furnish to the Director of the Ohio

EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.
(Authority for term: OAC rule 3745-77-07(C))

27. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

28. 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.
(Authority for term: OAC rule 3745-77-01(C))

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

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) 3.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirement contained in a permit-to-install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18 and 3745-21.

   a) P005 – annealing furnace #5 (PTI #03-16330);

   b) P006 – annealing furnace #6 (PTI #03-16330);

   c) P007 – annealing furnace #7 (PTI #03-16330);

   d) P008 – annealing furnace #8 (PTI #03-16330);

   e) P009 – annealing furnace #1 (PTI #03-17227);

   f) P010 – annealing furnace #2 (PTI #03-17227);

   g) P011 – annealing furnace #3 (PTI #03-17227);

   h) P012 – annealing furnace #4 (PTI #03-17227); and

   i) Z001 – 7.45 mmBtu/hr air makeup unit.

   [Authority for term: OAC rule 3745-77-07(A)(13)]

3. The following insignificant emissions units are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

   a) Z002 – Endo gas (Rx) generator #1;

   b) Z003 – paved roadways and parking areas;

   c) Z007 – Endo gas (Rx) generator #3;

   d) Z008 – Endo gas (Rx) generator #2;

   e) Z009 – Endo gas (Rx) generator #4;

   f) Z012 – Endo gas (Rx) generator #5; and

   g) Z013 – Endo gas (Rx) generator #6.

4. The following emissions units contained in this permit are subject to 40 CFR, Part 63, Subpart CCC: P001. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

[Authority for term: 40 CFR, Part 63, Subpart CCC]

5. Pursuant to 40 CFR, Part 64, the permittee has submitted, and the Ohio EPA has approved a compliance assurance monitoring plan for emissions unit P901 at this facility. The permittee shall comply with the provisions of the plan during any operation of the aforementioned emissions units.

   [Authority for term: 40 CFR, Part 64]

C. Emissions Unit Terms and Conditions

1. P001, Pickling Line #1

Operations, Property and/or Equipment Description:

Pickling Line #1 - Cleaning and coating of wire and rod in coil form (w/ a total of 12.56 MMBTU/hr from two boilers)

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 operations(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. 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.	40 CFR, Part 63, Subpart CCC	18 parts per million, by volume, (ppmv) of hydrochloric acid (HCl) See b)(2)a.
b.	40 CFR, Part 63, Subpart A	General Provisions [See b)(2)b.]
c.	OAC rule 3745-17-11(B)	none [See b)(2)c.]
d.	OAC rule 3745-17-07(A)	none [See b)(2)d.]
e.	OAC rules 3745-21-08(B)	See section b)(2)e.
f.	OAC rule 3745-18-06(E)	None, exempt pursuant to OAC rule 3745-18-06(C). [See b)(2)f.]
g.	OAC rule 3745-31-05(A)(3) (PTI #03-13374, issued 6/28/00)	12.2 pounds HCl/hour and 53.4 tons HCl/year 0.6 pound nitrogen oxides (NOx)/hour and 2.6 tons NOx /year 0.1 pound particulate emissions (PE)/hour and 0.4 ton PE/year 1.0 pound carbon monoxide (CO)/hour and 4.4 tons CO/year The requirements of this rule also include compliance with the requirements of 40 CFR, Part 63, Subpart CCC and Subpart A and OAC rules 3745-18-06(E) and 3745-21-08(B).

(2) Additional Terms and Conditions

a. The permittee has chosen to demonstrate compliance with 40 CFR, Part 63.1158(a)(2)(i) by employing four scrubbers. The HCl concentration in the exhaust gases from the scrubbers shall not exceed 18 ppmv.

b. This emissions unit is subject to the applicable requirements of 40 CFR, Part 63, Subpart A, as found in Table 1 of 40 CFR, Part 63, Subpart CCC.

c. The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds/hour.* Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(17).

*The burning of natural gas is the only source of PE from this emissions unit.

d. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC Rule 3745-17-07 (A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

e. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

f. There are no sulfur dioxide emission limitations established by OAC Chapter 3745-18 for this emissions unit because the process weight rate is less than 1,000 pounds/hour.

c) Operational Restrictions

(1) The pressure drop across each scrubber shall be maintained within the range of 5.5 - 7.5 inches of water while the emissions unit is in operation.

[OAC rule 3745-77-07(A)(1) and PTI #03-13374]

(2) The scrubbing liquid recirculation rate for each scrubber shall be maintained within the range of 100 - 300 gallons/minute while the emissions unit is in operation.

[OAC rule 3745-77-07(A)(1) and PTI #03-13374]

(3) The scrubbing liquid pH for each scrubber shall be maintained within the range of 5.5 - 8.5 while the emissions unit is in operation.

[OAC rule 3745-77-07(A)(1) and PTI #03-13374]

(4) The makeup water flow rate for each scrubber shall be maintained within the range of 1 - 2.5 gallons/minute while the emissions unit is in operation.

[OAC rule 3745-77-07(A)(1) and PTI #03-13374]

(5) In accordance with 40 CFR, Part 63.6 (e), the permittee shall operate the emissions unit, including the associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the level required by the standard at all times, including during any period of startup, shutdown, or malfunction. Malfunctions must be corrected as soon as practical after their occurrence in accordance with the startup, shutdown and malfunction plan [see Section g)(3)].

[OAC rule 3745-77-07(A)(1), PTI #03-13374 and 40 CFR, Part 63, Subpart CCC]

(6) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate and maintain equipment to continuously monitor the parameters identified in sections c)(1) – (4) for each scrubber while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). Each monitoring device shall be certified by the manufacturer to be accurate to within 5 percent and shall be calibrated in accordance with the manufacturer's instructions but not less frequently than once per year.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall record each parameter, as identified in sections c)(1) – (4), for each scrubber on a once/shift basis. The permittee shall also maintain a log of all periods of time during which any of the scrubbers was down while the emissions unit was in operation.

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

(3) In accordance with 40 CFR, Part 63.10 (b)(2), the permittee shall maintain records of the following information and retain the records for 5 years from the date of each record:

a. The occurrence and duration of each startup, shutdown, or malfunction of operation (i.e., process equipment).

b. The occurrence and duration of each malfunction of the air pollution control equipment.

c. All maintenance performed on the air pollution control equipment.

d. Actions taken during periods of startup, shutdown, and malfunction and the dates of such actions (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation)

when these actions are different from the procedures specified in the startup, shutdown, and malfunction plan.

e. All information necessary to demonstrate conformance with the startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. This information can be recorded in a checklist or similar form (see 40 CFR, Part 63.10 (b)(2)(v)).

f. All required measurements needed to demonstrate compliance with the standard and to support data that the source is required to report, including, but not limited to, performance test measurements (including initial and any subsequent performance tests) and measurements as may be necessary to determine the conditions of the initial test or subsequent tests.

g. All results of initial or subsequent performance tests.

h. If the permittee has been granted a waiver from record keeping or reporting requirements under 40 CFR, Part 63.10 (f), any information demonstrating whether a source is meeting the requirements for a waiver of record keeping or reporting requirements.

i. the permittee has been granted a waiver from the initial performance test under 40 CFR, Part 63.7 (h), a copy of the full request and the Administrator's approval or disapproval.

j. All documentation supporting initial notifications and notifications of compliance status required by 40 CFR, Part 63.9.

k. Records of any applicability determination, including supporting analyses.

l. The records for the most recent 2 years of operation must be maintained on site. Records for the previous 3 years may be maintained off site.

[OAC rule 3745-77-07(C)(1), PTI #03-13374 and 40 CFR, Part 63, Subpart CCC]

(4) The permittee shall keep the written operations and maintenance plan [See g)(3)] on record after it is developed to be made available for inspection, upon request, by the Director for the life of the facility. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e., superseded) versions of the plan on record to be made available for inspection by the Director for a period of 5 years after each revision to the plan.

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

(5) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) In accordance with 40 CFR, Part 63.10 (d)(5)(i), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the startup, shutdown, and malfunction plan, the permittee shall state such information in a semiannual report. The report, to be certified by the permittee, shall be submitted semiannually and delivered or postmarked by the 30th day following the end of each calendar half.

[OAC rule 3745-77-07(C)(1), PTI #03-13374 and 40 CFR, Part 63 Subpart CCC]

(2) Any time an action taken by an permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall comply with all requirements of 40 CFR, Part 63.10 (d)(5)(ii).

[OAC rule 3745-77-07(C)(1), PTI #03-13374 and 40 CFR, Part 63 Subpart CCC]

(3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(4) The permittee shall submit deviation (excursion) reports that identify all periods of time during which any of the parameters, identified in sections c)(1) – (4), for each scrubber did not comply with the allowable ranges specified in sections c)(1) – (4) of the terms and conditions of this permit. The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

(5) The permittee shall submit quarterly summary reports that include a log of the downtime of all periods during which any of the scrubbers was down while the emissions unit was in operation. These reports shall be submitted by March 31, June 30, September 30 and December 31 of each year and shall cover the previous calendar quarter.

[OAC rule 3745-77-07(C)(1) and PTI #03-13374

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted approximately 2.5 years after issuance of this permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and the outlet concentration for HCl.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate: Method 26A, "Determination of Hydrogen

Halide and Halogen Emissions from Stationery Sources-Isokinetic Method." The minimum sampling time for each run shall be 60 minutes and the minimum sample volume shall be 0.85 dry standard cubic meters (30 dry standard cubic feet).

d. The concentrations of HCl shall be calculated for each run as follows:

C1HCl (ppmv) = 0.659 C2HCl (mg/dscm)

where:

C1HCl (ppmv) = the concentration of HCl, in ppmv

C2HCl (mg/dscm) = the concentration of HCl, in milligrams per dry standard cubic meter as calculated by the procedure given in Method 26A

0.659 = conversion factor

The permittee may use equivalent alternative measurement methods approved by the Director.

e. Compliance with the applicable concentration standard shall be determined by the average of three consecutive runs or by the average of any three of four consecutive runs. Each run shall be conducted under conditions representative of normal process operations.

f. The test(s) shall be conducted while the emissions units is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

g. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northwest District Office's refusal to accept the results of the emission test(s).

h. Personnel from the Ohio EPA, Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

i. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northwest District Office.

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

(2) Compliance with the emissions limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitations: HCl emissions shall not exceed 18 ppmv, 12.2 pounds HCl/hour and 53.4 tons HCl/year

Applicable Compliance Method Compliance with the allowable outlet HCl concentration and the pounds/hour HCl emission limitation shall be based upon the results of emission testing conducted in accordance with Methods 1 - 4 and 26A of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable HCl emission limitation shall be assumed as long as compliance with the hourly allowable HCl emission limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

[OAC rule 3745-77-07(C)(1), PTI #03-13374 and 40 CFR, Part 63, Subpart CCC]

b. Emission Limitations: 0.1 pound PE/hour and 0.4 ton PE/year

Applicable Compliance Method Compliance with the allowable pound PE/hour limitation may be demonstrated by multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft.

If required, compliance with the hourly allowable PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable PE limitation shall be assumed as long as compliance with the hourly allowable PE limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

c. Emission Limitations: 0.6 pound NOx/hour and 2.6 tons NOx/year

Applicable Compliance Method Compliance with the allowable pound NOx/hour emission limitation may be demonstrated by multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the controlled (with low NOx burners) emission factor from AP-42, Table 1.4-1 (revised 7/98) of 50 lbs NOx/mm cu. ft.

If required, compliance with the hourly allowable NOx emission limitation shall be determined in accordance with Methods 1 - 4 and 7 of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable NOx emission limitation shall be assumed as long as compliance with the hourly allowable NOx emission limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

d. Emission Limitations: 1.0 pound CO/hour and 4.4 tons CO/year

Applicable Compliance Method Compliance with the allowable pound CO/hour emission limitation shall be demonstrated by multiplying the maximum hourly natural gas consumption rate (11,962 cubic feet/hour) by the emission factor from AP-42, Table 1.4-1 (revised 7/98) of 84 lbs CO/mm cu. ft.

If required, compliance with the hourly allowable CO emission limitation shall be determined in accordance with Methods 1 - 4 and 10 of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable CO emission limitation shall be assumed as long as compliance with the hourly allowable CO emission limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

[OAC rule 3745-77-07(C)(1) and PTI #03-13374]

g) Miscellaneous Requirements

(1) In delegating implementation and enforcement authority to a State under 40 CFR, Part 63, Subpart E, the following authorities shall be retained by the Administrator and not transferred to a State:

a. Approval of alternative emission standards to those standards specified in 40 CFR, Part 63.1157 and 63.1158.

b. Approval of alternative measurement methods for HCl to those specified in 40 CFR, Part 63.1161(d)(1).

c. Approval of alternative monitoring requirements to those specified in 40 CFR, Part 63.1162(a)(2) through 63.1162 (a)(5) and 63.1162 (b)(1) through 63.1162 (b)(3).

d. Waiver of record keeping requirements specified in 40 CFR, Part 63.1165.

The following authorities shall be delegated to State: All other authorities, including approval of an alternative schedule for conducting performance tests to the requirement specified in 40 CFR, Part 63.1162 (a)(1).

[40 CFR, Part 63, Subpart E]

(2) In accordance with 40 CFR, Part 63.6 (e)(3), the permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, or malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard.

[40 CFR, Part 63, Subpart E]

(3) The permittee shall comply with the operation and maintenance requirements in 40 CFR, Part 63.6 (e). In addition to these requirements, the permittee shall prepare an operation and maintenance plan for each emission control device to be implemented no later than the compliance date. The plan shall be incorporated by reference into the Title V permit. All such plans must be consistent with good maintenance practices and, for a scrubber emission control device, must at a minimum:

a. Require monitoring and recording the pressure drop across the scrubber once per shift while the scrubber is operating in order to identify changes that may indicate a need for maintenance.

b. Require the manufacturer's recommended maintenance at the recommended intervals on fresh solvent pumps, recirculating pumps, discharge pumps, and other liquid pumps, in addition to exhaust system and scrubber fans and motors associated with those pumps and fans.

c. Require cleaning of the scrubber internals and mist eliminators at intervals sufficient to prevent buildup of solids or other fouling.

d. Require an inspection of each scrubber at intervals of no less than 3 months with:

i. Cleaning or replacement of any plugged spray nozzles or other liquid delivery devices.

ii. Repair or replacement of missing, misaligned, or damaged baffles, trays, or other internal components.

iii. Repair or replacement of droplet eliminator elements as needed.

iv. Repair or replacement of heat exchanger elements used to control the temperature of fluids entering or leaving the scrubber.

v. Adjustment of damper settings for consistency with the required air flow.

e. If the scrubber is not equipped with a viewport or access hatch allowing visual inspection, alternative means of inspection approved by the Administrator may be used.

f. The permittee shall initiate procedures for corrective action within 1 working day of detection of any operating problem and complete all corrective actions as soon as practicable. Procedures to be initiated are the applicable actions that are specified in the maintenance plan.

g. The permittee shall maintain a record of each inspection, including each item identified in condition VI.3.d, that is signed by the responsible maintenance official and that shows the date of each inspection, the problem identified, a description of the repair, replacement or other corrective action taken.

[40 CFR, Part 63, Subpart E]

2. P901, Shotblast Unit #1

Operations, Property and/or Equipment Description:

Shotblast Unit #1 - Blast cleaning of steel using metal shot

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 operations(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. 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) (PTI #03-13506, issued 2/27/07)	See b)(2)a. Stack Emissions: 0.01 gr particulate emissions (PE)/dscf, 0.81 lb PE/hr and 3.55 TPY PE (All PE stack emissions are assumed to be PM10.) Opacity restrictions [See b)(2)b.] Fugitive Emissions: 2.51 tons PE/yr Opacity restrictions [See b)(2)c].
b.	OAC rule 3745-17-11(B)(3)	See b)(2)d.
c.	OAC rule 3745-17-07(A)	See b)(2)d.
d.	OAC rule 3745-17-07(B)	none [See b)(2)e.]
e.	OAC rule 3745-17-08(B)	none [See b)(2)f.]
f.	40 CFR, Part 64	See d)(1) thru (6) and e)(1).

(2) Additional Terms and Conditions

a. Best available technology (BAT) for this emissions unit has been determined to be the use of a baghouse (2 in series).

b. Visible particulate stack emissions shall not exceed 5% opacity, as a 6-minute average. The visible PE limitation shall not apply to the exception listed in OAC rule 3745-17-07(A)(3)(c).

c. Visible particulate fugitive emissions from this emissions unit shall not exceed 20% opacity, as a 3-minute average. The visible particulate fugitive emission limitation shall not apply to the exception listed in OAC rule 3745-17-07(B)(11)(f).

d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

e. This emissions unit is exempt from the visible particulate emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because this fugitive dust source is not located within the geographical areas specified in Appendix A of OAC rule 3745-17-08.

f. This emissions unit is exempt from the requirements specified in OAC rule 3745-17-08(B), pursuant to OAC rule 3745-17-08(A)(1), because this fugitive dust source is not located within the geographical areas specified in Appendix A of OAC rule 3745-17-08.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop, in inches of water, across the baghouse on a daily basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began and the magnitude of the deviation at that time;

b. the date(s) the investigation was conducted;

c. the names of the personnel who conducted the investigation; and

d. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable pressure drop range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

e. a description of the corrective action;

f. the date it was completed;

g. the date and time the deviation ended;

h. the total period of time (in minutes) during which there was a deviation;

i. the pressure drop readings immediately after the corrective action; and

j. the names of the personnel who performed the work.

Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The pressure drop across the baghouse shall be maintained within the range of 1 to 7 inches of water while this emissions unit is in operation.

This range is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

[OAC rule 3745-77-07(C)(1), PTI #03-13506 and 40 CFR, Part 64]

(2) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is the static pressure drop across the baghouse, which was established in accordance with the manufacturer's recommendations. When the static pressure drop show operation outside the indicator range(s), the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan. The baghouse shall not be configured to have bypass capability.

[OAC 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[OAC 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying

the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC 3745-77-07(C)(1) and 40 CFR, Part 64]

(5) Baghouse operating parameters shall be re-verified as a result of any changes to the operating conditions of the baghouse or emissions unit. In addition to periodic monitoring of the baghouse operating parameters, the permittee also has an inspection and maintenance program for the baghouse, including but not limited to:

a. checking the bags / filters for deterioration or degradation;

b. checking the cleaning system for proper operation; and

c. checking the hoppers and conveyance systems for proper operation.

Based on the results of the monitoring and inspection program, repairs to the baghouse shall be made as needed. If the current CAM indicators and/or the baghouse inspection program is considered inadequate, the permittee shall develop a Quality Improvement Plan.

[OAC 3745-77-07(C)(1) and 40 CFR, Part 64]

(6) The permittee shall maintain a supply of replacement parts necessary to ensure ongoing proper operation of the baghouse system, including, but not limited to:

a. filter bags;

b. timing boards and solenoid coils (for blow down function);

c. diaphragms and diaphragm seal kits;

d. spare set of belts; and

e. spare bearings for blower motor.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(7) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate fugitive emissions from the building containing this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emissions incident; and

e. any corrective actions taken to eliminate the visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse field was outside of the acceptable range;

b. an identification of each incident of deviation described in (a) where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

[OAC rule 3745-77-07(C)(1), PTI #03-13506 and 40 CFR, Part 64]

(2) The permittee shall submit semiannual written reports which:

a. identify all days during which any visible particulate fugitive emissions were observed from the building containing this emissions unit; and

b. describe any corrective actions taken to eliminate the visible particulate fugitive emissions.

These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

f) Testing Requirements

(1) Compliance with the emissions limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emissions Limitation: 0.01 gr PE/dscf

Applicable Compliance Method: The PE/dscf emission limitation was established in accordance with the maximum outlet concentration for the baghouse. If required, compliance with the PE/dscf emission limitation shall be based on stack

testing using the methods and procedures specified in Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

b. Emissions Limitation: 0.81 lbs PE/hr and 3.57 TPY PE (Stack Emissions)

Applicable Compliance Method: Compliance with the lbs/hr and TPY limits shall be determined by multiplying the maximum outlet grain loading concentration of 0.01 gr PE/dscf by the maximum volumetric air flow of 9,500 dscfm, and the appropriate conversion factors of 7000 grains/lb, 60 minutes/hr, 1 ton/2000 lbs, and the emissions unit's maximum operating schedule of 8760 hrs/yr. If required, compliance with the hourly PE emissions rate shall be based on stack testing using the methods and procedures specified in Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

c. Emissions Limitation: Visible particulate emissions shall not exceed 5% opacity as a 6-minute average. The visible particulate emission limitation shall not apply to the exception listed in OAC rule 3745-17-07(A)(3)(c).

Applicable Compliance Method: Visible emissions observations shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

d. Emissions Limitation: 2.51 TPY PE (Fugitive Emissions)

Applicable Compliance Method: The permittee shall demonstrate compliance with this emission limitation by multiplying the maximum process weight (108,098 tons iron/yr) by the appropriate emissions factor from An Inventory of Iron Foundry Emissions, Bernard S. Gutow, Modern Castings, January 1972 (15.5 lbs PE/ton), the percentage of emissions not captured by the control system (99.0%), a control efficiency for building enclosure (70.0%), and a conversion factor of 1 ton/2000 lbs.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

e. Emissions Limitation: Visible particulate fugitive emissions from this emissions unit shall not exceed 20% opacity as a 3-minute average. The visible emission limitation shall not apply to the exception listed in OAC rule 3745-17-07(B)(11)(f).

Applicable Compliance Method: Visible fugitive emissions observations shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-13506]

g) Miscellaneous Requirements

(1) None.