John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/30/2013

Certified Mail

Tom DeNoi
Titan Tire Corporation of Bryan
927 S. Union Street
Bryan, OH 43506

Facility ID: 0386010003
Permit Number: P0105044
County: Williams

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 Environmental Protection Agency (EPA) Weekly Review and the local newspaper, The Bryan Times. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

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 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

PUBLIC NOTICE
7/30/2013 Issuance of Draft Air Pollution Title V Permit

Titan Tire Corporation of Bryan
927 S. Union Street,
Bryan, OH 43506
Williams County
FACILITY DESC.: Tire Manufacturing (except Retreading)
PERMIT #: P0105044
PERMIT TYPE: Renewal
PERMIT DESC: Renewal Title V operating permit for tire and inner tubes production facility.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: http://epa.ohio.gov/dapc/permitsonline.aspx by entering the permit # or: Andrea Moore, Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402. Ph: (419)352-8461

Statement of Basis For Air Pollution Title V Permit

Facility ID:	0386010003
Facility Name:	Titan Tire Corporation of Bryan
Facility Description:	Tires and Inner Tubes
Facility Address:	927 S. Union Street, Bryan, OH 43506
Permit #:	P0105044, Renewal

This facility is subject to Title V because it is major for:

☐ Lead ☐ Sulfur Dioxide ☐ Carbon Monoxide ☒ Volatile Organic Compounds ☐ Nitrogen Oxides
☐ Particulate Matter ≤ 10 microns ☐ Single Hazardous Air Pollutant ☐ Combined Hazardous Air Pollutants
☐ Maximum Available Control Technology Standard(s) ☐ GHG ☐ Title IV

A. Standard Terms and Conditions

Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01(U)?	YES
Were there any "common 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)	P010 – P0112616, issued 2/1/13 – EU not included in previous Title V permit P016 – P0109768, issued 10/25/12 – EU not included in previous Title V permit P017 – P0112616, issued 2/1/13 – EU not included in previous Title V permit B005 – 03-17392, issued 6/5/08 - EU not included in previous Title V permit P005 – P0113469, issued 3/29/13 – Administrative Modification to PTI 03-3218 to change emission limitations to better represent BAT based on updated emission factors.
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 OAC rule 3745-77-08(D)	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 resulting from a renewal per OAC rule 3745-77-08(E)	*Addition of EU P010 (PTI# P0112616), P016 (PTI# P0109768), P017 (PTI# P0112616), & B005 (PTI# 03-17392) which were not included in initial Title V permit *B001-B003 added OAC rule 3745-18-06 to applicable rule/requirements with reference to the exemption when burning only natural gas. *B003 – Equipment description changed from Boiler #3 to 81 mmBtu/hr NG fired boiler, with #6 fuel oil as back-up. Added 40 CFR, Part 63, Subpart JJJJJJ & 40 CFR 63.1-16 as applicable rules. ICR all applicable portions of the aforementioned rules. Added fuel oil quality specification of greater than 150,000 btu/gallon oil with compliance being determined by using analytical results provided by the permittee or oil supplier for each shipment of oil received. Updated monitoring and recordkeeping requirements for fuel oil shipments. Updated reporting requirements to include reporting associated with quality of fuel oil burned. Updated testing requirements for SO2 limitation based on formula to calculate sulfur dioxide emissions from liquid fuel samples. *B006-B008 added to permit as insignificant EU's with applicable requirements (No PTI's for these units as they are PTI exempt sources) *P002 – Changed EU description from Process Mixer #1 to 6.3 TPH rubber mixer milling operation, with 2 baghouses (drop mill baghouse and mixer baghouse). OAC rule 3745-17-11(B) allowables changed as they were previously miscalculated. Pressure drop monitoring, recordkeeping, and reporting replaced with daily visible emission checks and associated reporting requirements. *P003 – Changed EU description from Carbon Black Unloading System to 10 TPY carbon black unloading system, with baghouse. OAC rule 3745-17-11(B) allowables changed based on administrative changes to the emissions unit resulting in a lower UMRE and Figure II calculated allowable (These changes did not require a PTI). Pressure drop monitoring, recordkeeping, and reporting replaced with daily visible emission checks and associated reporting requirements. *P005 – Changed EU description from Process Mixer #2 to 6.3 TPH rubber mixer milling operation, with 2 baghouses (drop mill baghouse and mixer baghouse). OAC rule 3745-31-05(A)(3) allowables changed to reflect administrative PTI Modification (PTI# P0113469). Pressure drop monitoring, recordkeeping, and reporting replaced with daily visible emission checks and associated reporting requirements.

	*P006 – Equipment description changed from tire assembly area to South Side Tire Building Area, consisting of 36 carcass/tire building areas and 6 belting/treading stations. Removed OAC rule 3745-21-07(G) as this rule is no longer part of OEPA's SIP. Removed OAC rules 3745-17-11(B) and 3745-17-07(A) as this EU is not a particulate source. *P008 – EU designation changed from non-insignificant to insignificant "de minimis", (no applicable requirements), because emission calculations provided by the company demonstrate that the EU is "de minimis" based on updated emission factor. *P009 – Equipment description changed from Curing Repair Process Area to South side curing repair and finish area. Removed OAC rule 3745-21-07(G) as this rule is no longer part of OEPA's SIP. Removed OAC rules 3745-17-11(B) and 3745-17-07(A) as this EU is not a particulate source. Based on these changes, there are NO applicable rules/Requirements or Applicable Emissions Limitations/Control Measures for this EU. *R002 – This EU was shutdown on 10/19/11 and will therefore not be included in the renewal permit. *T008 was permitted previously as a Naptha Storage Tank, now tank stores Heptane. Equipment description has been changed from Naptha storage tank to 18,000 gallon Heptane storage tank. This change resulted in decreased emissions, so no PTI modification was necessary. OAC rule 3745-21-09 language was changed to reflect the EU being exempt from the requirements of OAC rule 3745-21-09(L)(1). Also the language associated with 40 CFR Part 60, Subpart Kb was changed to reflect that this EU is not applicable to the subpart because the tank does not have a capacity greater than 75 cubic meters. PTE determination was incorporated into the testing requirements to show PTE based on Tanks 4 emissions modeling. *Z007 – EU designation changed from non-insignificant to insignificant "de minimis" (no applicable requirements) based on update in capacity of the EU based on the potential hourly production rate and updated emission factors from AP-52 section 4.12 (Draft 11/08). *Previous Title V permit listed all insignificant EU's at the facility. The renewal lists only those with applicable requirements contained in a PTI or subject to an applicable requirement in OAC chapters 3745-17, 3745-18, 3745-21, and 3745-31, and/or 40 CFR Part 60 or 63. *P046 (PBR10344) &P049(PBR02070) – These EU's were not in the previous Title V permit. They are incorporated into the facility-wide terms and conditions as having applicable requirements outlined in OAC rule 3745-31-03(A)(4)(b). *P046 – Incorporated by reference into the facility-wide terms and conditions all applicable requirements contained in 40 CFR, Part 60, Subpart IIII. Stated that the EU is subject to the requirements of 40 CFR, Part 63, Subpart ZZZZ, and that demonstration of compliance with this rule would be demonstrated through

	compliance with 40 CFR Part 60, Subpart IIII. *P049 – Incorporated by reference into the facility-wide terms and conditions all applicable requirements contained in 40 CFR, Part 63, Subpart ZZZZ. *For all non-insignificant EU's, included reporting requirement to submit all reports through Ohio EPA's eBusiness Center.
Please identify the affected unit(s) and pollutant(s) for which a Compliance Assurance Monitoring (CAM) Plan is required per 40 CFR 64. Provide more emissions unit specific detail in Section C.	N/A

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2.	77-07(A)(13)		Lists insignificant emissions units that are subject to applicable requirements outlined in OAC rule 3745-31-03(A)(4)(b)
B.3.	77-07(A)(13)		Lists insignificant emissions units that have one or more applicable requirement.
B.4.	77-07(A)(13)	40 CFR, Part 63, Subpart ZZZZ	States and lists the applicability of 40 CFR, Part 63, Subpart ZZZZ for insignificant emissions unit P049.
B.5.	77-07(A)(13)	40 CFR, Part 63, Subpart ZZZZ	States the applicability of 40 CFR, Part 63, Subpart ZZZZ for insignificant emissions unit P046 and that the emissions unit shall meet requirements of Subpart ZZZZ through demonstration of compliance with 40 CFR, Part 60, Subpart IIII.
B.6.	77-07(A)(13)	40 CFR, Part 60, Subpart IIII.	States and lists the applicability of 40 CFR, Part 60, Subpart IIII for insignificant emissions unit P046.

C. Emissions Unit Terms and Conditions

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

EU(s)	Limitation	Basis		ND	OR	M	ENF	R	Rp	ET	St	Misc	Comments
		SIP (3745-)	Other										
B001 B002 B003 B005 P002 P003 P005	Visible PE shall not exceed 20% opacity as, a six-minute average	17-07(A)		N	N	Y	N	Y	Y	N	N	N	ET – If required, compliance with the visible emissions limitation shall be determined in accordance with OAC rule 3745-17-03(B)(1).
B001 B002 B003 B005	0.020 lb PE/mmBtu actual heat input	17-10(B)(1)		N	Y	Y	N	Y	Y	N	N	N	OR – Burn only natural gas in the emissions unit. ET- If required, compliance shall be demonstrated in accordance with rule 3745-17-03(B)(1).
B001 B002 B003 B005	Exempt* *B003 only exempt when burning NG	18-06		Y	N	N	N	N	N	N	N	N	ND- Emissions unit exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A) [burn only natural gas in the EU].
B003	0.32 lb PE/mmBtu	17-10(C)(2)		N	Y	N	N	N	N	N	N	N	OR- Burn only natural gas and/or #6 fuel oil in the emissions unit. ET- If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(9). M, R, Rp – Emission limitation is rule based, but there is no rule based monitoring, recordkeeping, or reporting. In addition, based on AP-42 emission factors, maximum hourly fuel consumption, and the maximum heat input capacity for the boiler, the allowable could not be exceeded.

B003	1.6 lbs SO2/mmBtu when burning #6 oil or a combination of #6 oil and natural gas	18-06(D)		N	Y	Y	N	Y	Y	N	N	N	OR- The quality of the oil burned in the emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs SO2/mmBtu. ET- Continuous compliance is demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation based on the following: ER = [(1 x 10^6) / H] x D x S x 1.974 where: ER = the emission rate in pounds of sulfur dioxide per mmBtu; H = the heat content of the liquid fuel in Btu per gallon; D = the density of the liquid fuel in pounds per gallon; and S = the decimal fraction of sulfur in the liquid fuel. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and 6.
B003	See rule		40 CFR, Part 63, Subpart JJJJJJ	N	N	Y	N	Y	Y	Y	N	N	Note - Table 8 to Subpart JJJJJJ of 40 CFR, Part 63 includes the applicability of the General Provisions contained in 40 CFR 63.1-16 that apply to this EU.
B005	2.47 lbsNOx/hr& 10.82 tons NOx/yr	31-05(A)(3)		N	Y	Y	N	Y	Y	N	N	N	OR- Shall only burn natural gas in the emissions unit ET – The hourly and annual emission limitations represent the potential to emit* of the emissions unit. Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.
B005	4.15 lbs CO/hr& 18.18 tons CO/yr	31-05(A)(3)		N	Y	Y	N	Y	Y	N	N	N	OR – Shall only burn natural gas in the emissions unit ET - The hourly and annual emission limitations represent the potential to emit* of the emissions unit. Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

P002	2.33 lbs PE/hr	17-11(B)		N	N	Y	N	Y	Y	N	N	N	ET- The permittee shall demonstrate compliance with the hourly PE limitation by multiplying the maximum process weight rate of 12,600 lbs/hr by an uncontrolled emission factor of 0.000925 lb PE/lb rubber (USEPA, AP-42 emission factor, section 4.12 [Draft 2008]), and applying a control efficiency of 99.0% for use of a baghouse(s). If required, the permittee shall demonstrate compliance with the PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).
P003	15.45 lbs PE/hr	17-11(B)		N	N	Y	N	Y	Y	N	N	N	ET - The permittee shall demonstrate compliance with the hourly PE limitation by multiplying the maximum hourly throughput (10 tons/hr carbon black) by a company supplied emission factor of 12.14 lbs PE/ton carbon black, and applying a control efficiency of 99%. If required, the permittee shall demonstrate compliance with the PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).
P005	0.14 lb PE/hr& 0.61 ton PE/yr	31-05(A)(3)		N	N	Y	N	Y	Y	N	N	N	ET - The permittee shall demonstrate compliance with the hourly PE limitation by multiplying the maximum process weight rate of 12,600 lbs/hr by an uncontrolled emission factor of 0.000925 lb PE/lb rubber (USEPA, AP-42 emission factor, section 4.12 [Draft 2008]), and applying a control efficiency of 99.0% for use of a baghouse(s). If required, the permittee shall demonstrate compliance by testing in accordance with the Methods 1 through 5 of 40 CFR Part 60, Appendix A. The annual limitation was established by multiplying the hourly limitation by the maximum operating schedule of 8,760 hours/year and then dividing by 2,000 pounds/ton. Therefore, provided compliance is shown with the pound per hour emission limitation, compliance with the annual emission limitation shall also be demonstrated.
P006 P010 P047	Exempt	21-09(X)		Y	N	N	N	N	N	N	N	N	ND - These emissions units are exempt from the requirements of OAC rule 3745-21-09 (X)(1) pursuant to OAC rule 3745-21-09 (X)(2)(a). Pursuant to OAC rule 3745-21-09 (A)(2)(a) any operation not associated with rubber tires with a bead diameter of less than or equal to 20 inches and a cross-sectional dimension less than or equal to 12.8 inches is exempt from the requirements of OAC rule 3745-21-09 (X)(1).
P006	Not		40	Y	N	N	N	N	N	N	N	N	ND - These emissions units are not applicable to the requirements

P010 P047	Applicable		CFR, Part 60, Subpart BBB										of 40 CFR Part 60, Subpart BBB. The tires produced in this emissions unit do not meet the definition of a tire as contained in 40 CFR 60.541 based on bead diameter and cross section specifications. The tires produced exceed the bead diameter specification of less than or equal to 0.5 meters (18.7 inches) and the cross section dimension specification of less than or equal to 0.325 meters (12.8 inches).
P010	6.00 lbs VOC/ton tire produced, as a rolling, 12-month average 197.07 ton VOC/rolling 12-month period for modified operations 109.80 tons VOC/rolling, 12-month period for unmodified operations	31-10 through 31-20		N	N*	Y	N	Y	Y	N	N	N	*No operational restrictions, but the following work practice standards: - store all VOC containing materials in closed containers when not is use; - transport all VOC containing materials in closed containers; - minimize spills of VOC containing materials; and - implement the current best practices on use of VOC containing materials. ET- The recordkeeping requirements, including emissions calculations contained in the permit for this emissions unit are sufficient to demonstrate compliance with the limitations.
P016	5.13 tons VOC/rolling, 12-month period	31-10 through 31-20		N	N*	Y	N	Y	Y	N	N	N	*No operational restrictions, but the following work practice standards: - store all VOC containing materials in closed containers when not in use; - transport all VOC containing materials in closed containers; - minimize spills of VOC containing materials; and - employ water-based paints for tire coating operations whenever use of such paint does not adversely affect product quality. ET - The recordkeeping requirements, including emissions calculations contained in the permit for this emissions unit are sufficient to demonstrate compliance with the limitations.
P017	0.000310	31-10		N	N	Y	N	Y	Y	N	N	N	ET - Emission limitation is based on an emission factor from AP-42,

	lbs VOC/lb tire produce, as a monthly average	through 31-20											section 4.12 (draft 2008). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25 or 25A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, NWDO.
P017	20.36 tons VOC/rolling, 12-month period	31-10 through 31-20		N	N	Y	N	Y	Y	N	N	N	ET - The recordkeeping requirements, including emissions calculations contained in the permit for this emissions unit are sufficient to demonstrate compliance with the limitations.
T008	0.10 lb VOC/hr& 0.44 ton VOC/yr	31-05(A)(3)		N	N	N	N	N	N	N	N	N	ET - These emission limitations are greater than the emissions unit's potential to emit (PTE)*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations. Compliance will be assumed since the emission limitations are greater than the emissions unit's potential to emit. *PTE based on Tanks 4 emissions modeling of breathing and working losses is 0.151 tons/yr.
T008	Exempt	21-09(L)		Y	N	N	N	N	N	N	N	N	ND - This emissions unit is exempt from the requirements of OAC rule 3745-21-09(L)(1) in accordance with OAC rule 3745-21-09(L)(2) because the capacity of the storage tank is less than 40,000 gallons.
T008	Not Applicable	40 CFR Part 60, Subpart Kb		Y	N	N	N	N	N	N	N	N	ND - 40 CFR, Part 60, Subpart Kb is not applicable to this emissions unit because the storage tank does not have a capacity greater than or equal to 75 cubic meters.

DRAFT

Division of Air Pollution Control
Title V Permit
for
Titan Tire Corporation of Bryan

Facility ID:	0386010003
Permit Number:	P0105044
Permit Type:	Renewal
Issued:	7/30/2013
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Titan Tire Corporation of Bryan

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Authorization

Facility ID:	0386010003
Facility Description:	Tires and Inner Tubes
Application Number(s):	A0018858, A0018859, A0018860, A0018861, A0037463, A0041926, A0042985, A0046067
Permit Number:	P0105044
Permit Description:	Renewal Title V operating permit for tire and inner tubes production facility.
Permit Type:	Renewal
Issue Date:	7/30/2013
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Superseded Permit Number:	P0087797

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

Titan Tire Corporation of Bryan
927 S. Union Street
Bryan, OH 43506

Ohio Environmental Protection Agency (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

Scott J. Nally
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) 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 contaminant 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 RequirementsUnder 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 RequirementsUnder 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) None.

2. The following emissions units located at this facility are subject to all applicable requirements as outlined in OAC rule 3745-31-03(A)(4)(b):

   a) P046 80 horsepower distillate oil-fired emergency electrical generator (PBR #10344)

   b) P049 900 horsepower emergency generator (PBR #2070)

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

3. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions 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 requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, 3745-21,and 3745-31, and/or 40 CFR Part 60 or 63:

   a) P046 80 horsepower distillate oil-fired emergency electrical generator (PBR #10344)

   b) P049 900 horsepower emergency generator (PBR #2070)

   c) B006 7.7 mmBtu/hr natural gas fired boiler (Hurst Boiler #1)

   d) B007 7.7 mmBtu/hr natural gas fired boiler (Hurst Boiler #2)

   e) B008 7.7 mmBtu/hr natural gas fired boiler (Hurst Boiler #3)

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

d) 4. The existing emergency compression ignition (CI) reciprocating internal combustion engine(s) (RICE), located at an area source for Hazardous Air Pollutants (HAPs), is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, Part 63, Subpart ZZZZ. The existing stationary CI RICE, **EU# P049**, installed before 6/12/06, shall meet the requirements of 63, Subpart ZZZZ no later than 5/3/13.

   The RICE must meet the definition of an emergency stationary RICE in section 63.6675, which includes operating according to the provisions specified in section 63.6640(f), and the permittee shall meet the following requirements contained in 40 CFR Part 63, Subpart ZZZZ:

66.6605(a) & (b)	General Compliance
63.6603(a), 63.6625(e), (f), (h), and (i)	Monitoring, Installation, Collection, Operation, & Maintenance
66.6640 (a), (b), (e), & (f)	Continuous Compliance
63.6655(d), (e) &(f) & 63.6660(a), (b), and (c)	Recordkeeping
66.6665	Table 8 General Provisions

[Authority for term: OAC rule 3745-77-07(A)(13) and 40 CFR 63, Subpart ZZZZ]

5. The new emergency or limited use compression ignition (CI) reciprocating internal combustion engine(s) (RICE), **EU# P046,** installed on or after 6/12/06 and located at an area source for hazardous air pollutants (HAPs), is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, Part 63, Subpart ZZZZ. Emissions unit P046shall meet the requirements of Part 63, Subpart ZZZZ upon startup, through demonstration of compliance with the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines, 40 CFR, Part 60, Subpart IIII.

[Authority for term: OAC rule 3745-77-07(A)(13) and 40 CFR Part 63, Subpart ZZZZ]

6. The permittee is subject to the applicable emission limitation(s) and/or control measures, operational restrictions, monitoring and/or record keeping requirements, reporting requirements, testing requirements and the general and/or other requirements specified in 40 CFR Part 60, Subpart IIII, in accordance with 40 CFR Parts 60.4200 through 60.4219 (including the Table(s) and Appendix(ices) referenced in Subpart IIII).

The following emissions units in this permit are subject to the aforementioned requirements: P046 (80horsepower distillate oil-fired emergency electrical generator).

The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart IIII, including the following sections:

60.4202(a)	Certification Emission Standards
60.4206	Continuous Compliance
60.4207(b)	Fuel Requirements
60.4209(a) & 60.4211(a), (f), and (g)	Monitoring, installation, operation and maintenance requirements
60.4212 (a) and (c)	Testing Requirements
60.4214(b) and (c)	Notification, reporting, and recordkeeping
60.4217	Special fuel requirements
60.4218	Table 8 General Provisions

[Authority for term: OAC rule 3745-77-07(A)(13), 40 CFR Part 60, Subpart IIII]

C. Emissions Unit Terms and Conditions

1. B001, Boiler #1

Operations, Property and/or Equipment Description:

34 mmBtu/hr natural gas-fired boiler #1

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	0.020 lb PE (PE)/mmBtu of actual heat input
c.	OAC rule 3745-18-06	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).

c) Operational Restrictions

(1) 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) 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) 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)]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
0.020 lb PE/mmBtu of heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb PE/mmBtu allowable limitation by dividing the emission factor of 1.9 lbs of PE/mm scf (USEPA, AP-42 emission factor, Table 1.4-2, revised 7/98) by the heating value of 1020 mmBtu/mm scf.

If required, the permittee shall demonstrate compliance with the lb PE/mmBtu limitation in accordance with the methods specified in OAC rule 3745-17-03 (B)(9).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(9)]

b. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation above shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)]

g) Miscellaneous Requirements

(1) None.

2. B002, Boiler #2

Operations, Property and/or Equipment Description:

34 mmBtu/hr natural gas-fired boiler.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	0.020 lb PE (PE)/mmBtu of actual heat input
c.	OAC rule 3745-18-06	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).

c) Operational Restrictions

(1) 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) 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) 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)]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
0.020 lb PE/mmBtu of heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb PE/mmBtu allowable limitation by dividing the emission factor of 1.9 lbs of PE/mm scf (USEPA, AP-42 emission factor, Table 1.4-2, revised 7/98) by the heating value of 1020 mmBtu/mm scf.

If required, the permittee shall demonstrate compliance with the lb PE/mm BTU limitation in accordance with the methods specified in OAC rule 3745-17-03 (B)(9).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(9)]

b. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation above shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)]

g) Miscellaneous Requirements

(1) None.

3. B003, Boiler #3

Operations, Property and/or Equipment Description:

81 mmBtu/hr natural gas-fired boiler, with #6 fuel oil as back-up.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-10(C)(2)	0.32 lb particulate emissions (PE)/mmBtu actual heat input, when burning #6 oil or a combination of #6 oil and natural gas.
b.	OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBtu of actual heat input, when burning only natural gas
c.	OAC rule 3745-17-07(A)	Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
d.	OAC rule 3745-18-06(D)	1.6 lbs sulfur dioxide (SO2)/mmBtu of actual heat input when burning #6 oil or a combination of #6 oil and natural gas See b)(2)a. and b)(2)d.
e.	40 CFR, Part 63, Subpart JJJJJJ (40 CFR 63.11193 – 63.11226) [In accordance with 40 CFR 63.11194(a) and 63.11194(b) this emissions unit is an existing affected source consisting of an industrial natural gas-fired boiler, with #6 fuel oil as back up].	Standards - 40 CFR 63.11201(b) - See b)(2)b. See b)(2)c., d)(1), e)(1) & f)(2)
f.	40 CFR 63.1 – 16 (40 CFR 63.11235)	Table 8 to Subpart JJJJJJ of 40 CFR, Part 63 – Applicability of General Provisions to Subpart JJJJJJ shows which parts of the General Provisions in 40 CFR 63.1 – 16 apply.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A) when burning only natural gas.

b. The permittee shall comply with the applicable standards required for all affected sources at an existing facility pursuant to 40 CFR 63.11201(b). Pursuant to this regulation, this emission unit shall meet the requirements as stated in Table 2 of 40 CFR, Part 63, Subpart JJJJJJ– Work Practice Standards, Emission Reduction Measures, and Management Practices – Item #4.

c. The permittee shall comply with the applicable restrictions required under 40 CFR part 63, Subpart JJJJJJ, including the following sections:

63.11205(a)	General requirements
63.11236 (a), (b), and (c)	Implementation & enforcement

d. The quality of the oil burned in this emissions unit shall meet the following specifications on an as received basis:

i. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 pounds SO2/mmBtu actual heat input; and

ii. greater than 150,000 Btu/gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

c) Operational Restrictions

(1) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06]

(2) The permittee shall burn only natural gas and/or #6 fuel oil in this emissions unit.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable restrictions required under 40 CFR part 63, Subpart JJJJJJ, including the following sections:

63.1125 (c) and (d)	Recordkeeping

[OAC rule 3745-77-07C)(1) and 40 CFR, Part 63, Subpart JJJJJJ]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the fuel oil type (number 2, 4, or 6), the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

[OAC rule 3745-77-07(C)(1), OAC rules 3745-18-04(E)(3) and OAC rule 3745-18-04(I)]

(3) For each day during which the permittee burns a fuel other than natural gas and/or #6 fuel oil, 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) The permittee shall comply with the applicable restrictions required under 40 CFR part 63, Subpart JJJJJJ, including the following sections:

63.11225 (a), (b), and (g)	Notification & reporting

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 63, Subpart JJJJJJ]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. any exceedance of the allowable sulfur dioxide emission limitation of 1.6 pounds sulfur dioxide/mmBtu actual heat input; and

b. any deviation from the minimum heat content limitation on the oil of 150,000 Btu/gallon.

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

(3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #6 fuel oil and/or 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) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
0.020 lb PE/mmBtu when burning natural gas only

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb PE/mmBtu allowable limitation by dividing the emission factor of 1.9 lbs of PE/mm scf (USEPA, AP-42 emission factor, Table 1.4-2, revised 7/98) by the heating value of 1020 mmBtu/mm scf.

If required, the permittee shall demonstrate compliance with the lb PE/mmBtu limitation in accordance with the methods specified in OAC rule 3745-17-03 (B)(9).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(9)]

b. Emission Limitation:
0.32 lb PE/mmBtu when burning #6 oil or a combination of #6 oil and natural gas

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb PE/mmBtu allowable limitation by multiplying the AP-42, Table 1.3-1 (revised 9/98) emission factor [10 lbs PE/1,000 gallons of oil] by the emissions unit's maximum hourly fuel consumption rate (gallons/hr), and then dividing by the emissions unit's maximum heat input capacity (mmBtu/hr).

If required, the permittee shall demonstrate compliance with the lb PE/mmBtu limitation in accordance with the methods specified in OAC rule 3745-17-03 (B)(9).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(9)]

c. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the allowable VE limitation shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)]

d. Emission Limitation:
1.6 lbs SO2/mmBtu of actual heat input when burning #6 oil or a combination of #6 oil and natural gas

Applicable Compliance Method:
Continuous compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

Sulfur dioxide emissions from liquid fuel samples shall be calculated as follows:

$ER = [(1 \times 10^{6}) / H] \times D \times S \times 1.974$

where:

ER = the emission rate in pounds of sulfur dioxide per mmBtu;

H = the heat content of the liquid fuel in Btu per gallon;

D = the density of the liquid fuel in pounds per gallon; and

S = the decimal fraction of sulfur in the liquid fuel.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and 6.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-18-04(E), and OAC rule 3745-18-04 (F)(2)]

(2) The permittee shall comply with the applicable restrictions required under 40 CFR part 63, Subpart JJJJJJ, including the following sections:

63.11196(a)	Compliance dates
63.11210(c), (h), and (j) & 63.11214(b) and (c)	Initial compliance requirements
63.11223(a) and (b)	Continuous Compliance

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 60, Subpart JJJJJJ]

g) Miscellaneous Requirements

(1) None.

4. B005, 50.4 mmBtu/hr Natural Gas-Fired Boiler; Holman Boiler

Operations, Property and/or Equipment Description:

50.4 mmBtu/hr Natural Gas-Fired Boiler

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-10 through OAC rule 3745-31-20	See b)(2)a.
b.	OAC rule 3745-31-05(A)(3) [PTI# 03-17392, issued 6/5/08]	2.47 lbs nitrogen oxides (NOx)/hr and 10.82 tons NOx/yr 4.15 lbs carbon monoxide (CO)/hr and 18.18 tons CO/yr See b)(2)b. and b(2)c.
c.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
d.	OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBtu heat input
e.	40 CFR Part 60, Subpart Dc	See c)(1)
f.	OAC rule 3745-18-06	Exempt. See b)(2)d.

(2) Additional Terms and Conditions

a. The applicant has committed to comply with “Best Available Control Technology” (BACT). Based on the “Prevention of Significant Deterioration” (PSD) analysis conducted to ensure BACT, it has been determined to be the use of natural gas.

b. The “Best Available Technology (BAT)” requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the particulate emissions (PE) emitted from this emissions unit (PE is emitted in the form of filterable PM10 emissions). BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Particulate emissions (also referred to as total

suspended particulate or particulate matter) is an air contaminant without an established NAAQS.

c. No emission limitations/control measures have been established for particulate matter 10 microns or less in size (PM10) or volatile organic compounds (VOC). Emissions for these pollutants were determined to be negligible.

d. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).

c) Operational Restrictions

(1) The permittee shall burn only natural gas as fuel in this emissions unit.

[OAC rule 3745-77-07(A)(1) and PTI# 03-17392]

d) Monitoring and/or Recordkeeping Requirements

(1) 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) and PTI# 03-17392]

(2) Pursuant to 40 CFR, Part 60, Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each month. These records shall be maintained by the permittee for a period of two years following the date of such record

[OAC rule 3745-77-07(C)(1), 40 CFR, Part 60, Subpart Dc, and PTI# 03-17392]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the emissions unit. These reports shall be submitted to Ohio EPA, Northwest District Office (NWDO) within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1) and PTI# 03-17392]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:
2.47 lbsNOx/hr and 10.82 tons NOx/yr

Applicable Compliance Method:
The hourly and annual emission limitations represent the potential to emit* for this emissions unit. Therefore, no monitoring and record keeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

*The potential to emit for this emissions unit is based on the maximum capacity of the boiler (50.4 mmBtu/hr), the heat content of the natural gas (1020 Btu/ft3), and an emission factor of 50 lbsNOx/mmscf of natural gas burned (AP-42 Table 1.4-2, dated 7/98). The annual potential to emit is based on the hourly potential to emit and a maximum operating schedule of 8760 hrs/yr.

[OAC rule 3745-77-07(C)(1) and PTI# 03-17392]

b. Emission Limitations:
4.15 lbs CO/hr and 18.18 tons CO/yr

Applicable Compliance Method:
The hourly and annual emission limitations represent the potential to emit* for the emissions unit. Therefore, no monitoring and record keeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

*The potential to emit for this emissions unit is based on the maximum capacity of the boiler (50.4 mmBtu/hr), the heat content of the natural gas (1020 Btu/ft3), and an emission factor of 84 lbs CO/mmscf of natural gas burned (AP-42 Table 1.4-2, dated 7/98). The annual potential to emit is based on the hourly potential to emit and a maximum operating schedule of 8760 hrs/yr.

[OAC rule 3745-77-07(C)(1) and PTI# 03-17392]

c. Emission Limitation:
0.020 lb PE/mmBtu when burning natural gas only

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb PE/mmBtu allowable limitation by dividing the emission factor of 1.9 lbs of PE/mm scf (USEPA, AP-42 emission factor, Table 1.4-2, revised 7/98) by the heating value of 1020 mmBtu/mm scf.

If required, the permittee shall demonstrate compliance with the lb PE/mmBtu limitation in accordance with the methods specified in OAC rule 3745-17-03 (B)(9).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(9), and PTI# 03-17392]

d. Emission Limitation:
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(1), and PTI# 03-17392]

g) Miscellaneous Requirements

(1) None.

5. P002, Process Mixer #1

Operations, Property and/or Equipment Description:

6.3 TPH rubber mixer milling operation, with 2 baghouses (drop mill baghouse& mixer baghouse). Mixer #1.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	2.33 lbs particulate emissions (PE)/hr
b.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The emissions from this emissions unit shall be vented to the baghouses at all times the emissions unit is in operation.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
2.33 lbs PE/hr

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the allowable hourly PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(10)]

b. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)]

g) Miscellaneous Requirements

(1) None.

6. P003, Carbon Black Unloading System

Operations, Property and/or Equipment Description:

10 TPH carbon black unloading system, with baghouse.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	15.45 lbs particulate emissions (PE)/hr
b.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The emissions from this emissions unit shall be vented to the baghouse at all times the emissions unit is in operation.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack(s) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>:
15.45 lbs PE/hr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the allowable hourly PE limitation by multiplying the maximum hourly throughput (10 tons/hr carbon black) by a company supplied emission factor of 12.14 lbs PE/ton carbon black, and applying a control efficiency of 99%.

If required, the permittee shall demonstrate compliance with the PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

*There are 8 discharge canisters associated with this emissions unit resulting in a total maximum air flow of 250 ft3/min.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(10)]

b. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)]

g) Miscellaneous Requirements

(1) None.

7. P005, Process Mixer #2

Operations, Property and/or Equipment Description:

6.3 TPH rubber mixer milling operations, with two baghouses (drop mill baghouse& mixer baghouse). Mixer #2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI# P0113469, issued 3/29/13]	0.14 lb particulate emissions (PE)/hr& 0.61 ton PE/yr See b)(2)a.
b.	OAC rule 3745-17-11(B)	See b)(2)b.
c.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

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

c) Operational Restrictions

(1) The emissions from this emissions unit shall be vented to the baghouse at all times the emissions unit is in operation.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the

stack(s)serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:
0.14 lb PE/hr& 0.61 ton PE/yr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly PE limitation by multiplying the maximum process weight rate of 12,600 lbs/hr by an uncontrolled emission factor of 0.000925 lb PE/lb rubber (USEPA, AP-42 emission factor, section 4.12 [Draft 2008]), and applying a control efficiency of 99.0% for use of a baghouse(s). If required, the permittee shall demonstrate compliance by testing in accordance with the Methods 1 through 5 of 40 CFR Part 60, Appendix A.

The annual limitation was established by multiplying the hourly limitation by the maximum operating schedule of 8,760 hours/year and then dividing by 2,000 pounds/ton. Therefore, provided compliance is shown with the pound per hour emission limitation, compliance with the annual emission limitation shall also be demonstrated.

[OAC rule 3745-77-07(C)(1), and PTI# P0113469]

b. Emission Limitation:
Visible PE from the stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(1), and PTI# P0113469]

g) Miscellaneous Requirements

(1) None.

8. P006, South Side Tire Building Area, consisting of 36 carcass/tire building areas and 6 belting/treading stations

Operations, Property and/or Equipment Description:

South Side Tire Building Area, consisting of 36 carcass/tire building areas and 6 belting/treading stations

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(X)	None, see b)(2)a.
b.	40 CFR Part 60, Subpart BBB	None, see b)(2)b.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-21-09 (X)(1) pursuant to OAC rule 3745-21-09 (X)(2)(a). Pursuant to OAC rule 3745-21-09 (A)(2)(a) any operation not associated with rubber tires with a bead diameter of less than or equal to 20 inches and a cross-sectional dimension less than or equal to 12.8 inches is exempt from the requirements of OAC rule 3745-21-09 (X)(1).

b. This emissions unit is not applicable to the requirements of 40 CFR Part 60, Subpart BBB. The tires produced in this emissions unit do not meet the definition of a tire as contained in 40 CFR 60.541 based on bead diameter and cross section specifications. The tires produced exceed the bead diameter specification of less than or equal to 0.5 meters (18.7 inches) and the cross section dimension specification of less than or equal to 0.325 meters (12.8 inches).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

9. P009, South Side Curing Repair and Finish Area

Operations, Property and/or Equipment Description:

South Side Curing Repair and Finish Area

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	None	None

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

10. P010, North Side Tire Building Area, consisting of 10 carcass/tire building areas and 3 treading/belting operations. Each treading/belting operation consists of 1 belting station and 2 treading stations.

Operations, Property and/or Equipment Description:

North Side Tire Building Area, consisting of 10 carcass/tire building areas and 3 treading/belting operations. Each treading/belting operation consists of 1 belting station and 2 treading stations.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rules 3745-31-10 through 3745-31-20 [PTI# P0112616, issued 2/1/13]	See b)(2)a.
b.	ORC 3704.04(T)(4)	See b)(2)b.
c.	OAC rule 3745-21-09 (X)(1)	None see b)(2)c.
d.	40 CFR Part 60, Subpart BBB	None see b)(2)d.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control technology (BACT) for the emissions unit. BACT has been determined to be the following:

i. emission standard of 6.00 lbs volatile organic compound (VOC)/ton tire produced, as a rolling, 12-month weighted average;

ii. use of the following work practice standards that are sufficient to ensure compliance with the lb VOC/ton tire produced limit in b)(2)a.i.:

(a) store all VOC containing materials in closed containers when not is use;

(b) transport all VOC containing materials in closed containers;

(c) minimize spills of VOC containing materials; and

(d) implement the current best practices on use of VOC containing materials.

iii. emission limitation of 197.07 tons VOC/rolling, 12-month period for modified operations (see b)(2)e.); and

iv. emission limitation of 109.80 tons VOC/rolling, 12-month period for current unmodified operations (see b)(2)e.).

The BACT analysis determined that no add-on controls were cost-effective for the reduction of VOC's.

b. The "Best Available Technology" (BAT) requirement under ORC 3704.03(T) has been determined to be compliance with the BACT requirements and emission limitations established pursuant to OAC rules 3745-31-10 through 3745-31-20 [See b)(2)a.].

c. This emissions unit is exempt from the requirements of OAC rule 3745-21-09 (X)(1) pursuant to OAC rule 3745-21-09 (X)(2)(a). Pursuant to OAC rule 3745-21-09 (A)(2)(a) any operation not associated with rubber tires with a bead diameter of less than or equal to 20 inches and a cross-sectional dimension less than or equal to 12.8 inches is exempt from the requirements of OAC rule 3745-21-09 (X)(1).

d. This emissions unit is not applicable to the requirements of 40 CFR Part 60, Subpart BBB. The tires produced in this emissions unit do not meet the definition of a tire as contained in 40 CFR 60.541 based on bead diameter and cross section specifications. The tires produced exceed the bead diameter specification of less than or equal to 0.5 meters (18.7 inches) and the cross section dimension specification of less than or equal to 0.325 meters (12.8 inches).

a. PTI# P0112616 addresses a modification of the "large" tire building operations (North Side tire building area) located at the Titan Tire Corporation facility in Bryan, Ohio (Williams County). The modification involves an expansion to add four (4) new carcass/tire building areas, a new treading/belting operation, twenty-five (25) new curing presses, and increased operations in an existing curing repair and finishing area.

The following requirements contained in this permit shall become enforceable on the date the permittee commences operation under the modification authorized by this permit:

i. emission limitation of 197.07 tons VOC/rolling, 12-month period (see b)(1)a., b)(2)a.iii., and f)(1)b.);

ii. reporting requirement for exceedance of 197.07 tons VOC/rolling, 12-month period (see e)(1)b.)

All other requirements contained in this permit shall become enforceable upon the effective date contained in the final issuance of this permit.

The following requirements contained in this permit shall cease to be enforceable after the date this emissions unit commences operation under the modification authorized by this permit as indicated above:

iii. emission limitation of 109.80 tons VOC/rolling, 12-month period (see b)(1)a., b)(2)a.iv., and f)(1)c.);

b. reporting requirement for exceedance of 109.80 tons VOC/rolling, 12-month period (see e)(1)c.)

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for the emissions unit:

a. the name and identification of each solvent material employed;

b. the VOC content of each solvent material employed (in pounds VOC/gallon or lbs VOC/lb solvent employed;

c. the number of gallons or weight (in lbs) of each solvent employed (purchase records, batch mix records, actual usage tracking, etc., may be used as a conservative approach for fulfilling this requirement);

d. the VOC emissions rate for each solvent material employed, in pounds per month [d)(1)b. x d)(1)c.];

e. the total VOC emissions for all solvent materials employed in pounds per month [sum d)1)d.];

f. the amount of tires produced per month, in tons;

g. the rolling, 12-month summation of the VOC emissions rate (in tons) for all solvents employed; and

h. the rolling, 12-month weighted average lbs VOC/ton tire produced calculated using the following equation:

V/T

V = the VOC emissions for all solvent materials employed in pounds during the rolling 12-month period time calculated by the following:

$$V = \sum_{M=1}^{12} \sum_{i=1}^{n} (V_i)(G_i)$$

where

M = the increment of the rolling 12-month period

n = the total number of solvent materials employed

V_i = VOC content in lbs/gallon or lb/lb of solvent material i

G_i = gallons or lbs of solvent material i

T = the amount of tires produced in tons during the rolling 12-month period calculated by the following:

$$T = \sum_{M=1}^{12} (T_j)$$

where:

M = the increment of the rolling 12-month period

T_j = mass (weight) of tires produced in tons

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

(2) The permittee shall certify each month in a written statement that the emissions unit is employing the BACT required work practice standards specified in b)(2)a.ii.

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports, in accordance with the Standard Terms and Conditions of this permit, that identify the following:

a. any exceedances of the 6.00 lbs VOC/ton tire produced;

b. any exceedance of the 197.07 tons VOC/rolling, 12-month period;

c. any exceedance of the 109.80 tons VOC/rolling, 12-month period; and

d. any failure to employ the work practice standards in b)(2)a.ii.

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
6.00 lbs VOC/ton tire produced, as a rolling, 12-month weighted average

Applicable Compliance Method:
Compliance with the allowable VOC emission limitation above shall be based upon the record keeping requirements specified in d)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

b. Emission Limitation:
197.07 tons VOC/rolling, 12-month period

Applicable Compliance Method:
Compliance with the allowable VOC emission limitation above shall be based upon the record keeping requirements specified in d)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

c. Emission Limitation:
109.80 tons VOC/rolling, 12-month period

Applicable Compliance Method:
Compliance with the allowable VOC emission limitation above shall be based upon the record keeping requirements specified in d)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

g) Miscellaneous Requirements

(1) None.

11. P016, Repair & FinishNorth Side Curing Repair and Finish Area, consisting of application of cements, paints, and other VOC-containing materials for repair of tires.

Operations, Property and/or Equipment Description:

North Side Curing Repair and Finish Area, consisting of application of cements, paints, and other VOC-containing materials for repair of tires.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3), as effective 11/30/01	See b)(2)a.
b.	OAC rule 3745-31-05 (A)(3), as effective 12/1/06	See b)(2)b.
c.	OAC rule 3745-31-10 through OAC rule 3745-31-20 [PTI# P0109768, issued 10/25/12]	See b)(2)c.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit for VOC. The requirements of this rule are equivalent to the requirements established pursuant to OAC rules 3745-31-10 through 3745-31-20; therefore, the permitteehas satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit.

On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved

SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

It should be noted that the emission limitations and work practice standards established pursuant to OAC rule 3745-31-10 through 3745-31-20 will remain applicable after the above SIP revisions are approved by U.S. EPA.

b. This rule paragraph applies once U.S. EPA approves December 1, 2006 version of OAC rule 3745-31-05, as part of the State Implementation Plan.

Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3), as effective December 1, 2006, do not apply to the VOC emissions from this air contaminant source since the potential to emit (PTE) is less than 10 tons per year taking into consideration the BACT requirements established under OAC rules 3745-31-10 through 3745-31-20.

c. The permittee shall employ best available control technology (BACT) for the emissions unit. BACT has been determined to be the following:

i. Use of the following work practice standards that are sufficient to minimize VOC emissions from the tire repair and finish area:

(a) store all VOC containing materials in closed containers when not in use;

(b) transport all VOC containing materials in closed containers;

(c) minimize spills of VOC containing materials; and

(d) employ water-based paints for tire coating operations whenever use of such paint does not adversely affect product quality.

ii. emission limitation of 5.13 tons VOC/rolling, 12-month period.

The BACT analysis determined that no add-on controls were cost-effective for the reduction of VOCs.

d. This emissions unit is not subject to any requirements contained in OAC rule 3745-21-09(X). OAC rule 3745-21-09(X) does not specify any applicable requirements for tire repair and finishing operations.

e. This emissions unit is not applicable to the requirements of 40 CFR Part 60, Subpart BBB. Tire repair and finishing operations are not designated as an "affected facility" in 40 CFR Part 60.540 – Applicability and designation of affected facilities.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for the emissions unit:

a. the name and identification of each VOC-containing material employed;

b. the lbs of each VOC-containing material employed (purchase records, batch mix records, actual usage tracking, etc., may be used as a conservative approach for fulfilling this requirement) ;

c. the VOC content of each VOC-containing material employed:

d. the VOC emissions rate for each VOC-containing material employed, in lbs/month [d)(1)b. x d)(1c.];

e. the total VOC emissions from all VOC-containing materials employed, in lbs/month [sum of d)(1)d.];

f. the rolling, 12-month summation of the VOC emissions rate (in tons) for all VOC-containing materials employed [d)(1)e. x 1 ton/2000 lbs].

[OAC rule 3745-77-07(C)(1) and PTI# P0109768]

(2) The permittee shall certify each month in a written statement that the emissions unit is employing the BACT required work practice standards specified in b)(2)c.ii.

[OAC rule 3745-77-07(C)(1) and PTI# P0109768]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports, in accordance with the Standard Terms and Conditions of this permit, that identify the following:

a. any exceedances of the 5.13 tons VOC/rolling, 12-month period; and

b. any failure to employ the work practice standards in b)(2)c.i.

[OAC rule 3745-77-07(C)(1) and PTI# P0109768]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
5.13 tons VOC/rolling, 12-month period

Applicable Compliance Method:
Compliance with the allowable VOC emission limitation above shall be based upon the record keeping requirements specified in d)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0109768]

g) Miscellaneous Requirements

(1) None.

12. P017, North Side Curing Presses, consisting of 45 individual curing presses

Operations, Property and/or Equipment Description:

North Side Curing Presses, consisting of 45 individual curing presses

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-10 through OAC rule 3745-31-20 [PTI# P0112616, issued 2/1/13]	See b)(2)a.
b.	ORC 3704.04 (T)(4)	See b)(2)b.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control technology (BACT) for the emissions unit. BACT has been determined to be the following:

i. emission standard of 0.000310lbs VOC/lb tire produced, as a monthly average; and

ii. emission limitation of 20.36 tons VOC/rolling, 12-month period.

The BACT analysis determined that no add-on controls were cost-effective for the reduction of VOCs.

b. The “Best Available Technology” (BAT) requirement under ORC 3704.03(T) has been determined to be compliance with the BACT requirements and emission limitations established pursuant to OAC rules 3745-31-10 through 3745-31-20 [See b)(2)a.].

c. This emissions unit is not subject to any requirements contained in OAC rule 3745-21-09(X). OAC rule 3745-21-09(X) does not specify any applicable requirements for tire curing operations.

d. This emissions unit is not applicable to the requirements of 40 CFR Part 60, Subpart BBB. Tire curing is not designated as an "affected facility" in 40 CFR Part 60.540 – Applicability and designation of affected facilities.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for the emissions unit:

a. the lbs of tire produced per month;

b. the VOC emissions rate, in lbs/month, calculated as follows:

[d)(1)a. x 0.000310 lbs VOC/lb tire produced (conservatively applied as a lb/ton tire emissions factor)*]

*emission factor from AP-42 section 4.12 (draft 2008)

c. the rolling, 12-month summation of the VOC emissions rate (in tons).

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

e) Reporting Requirements

(1) The permittee shall submit deviation reports, in accordance with the Standard Terms and Conditions of this permit, that identify the following:

a. any exceedances of the 0.000310 lb VOC/lb tire produced; and

b. anyexceedance of the 20.36 tons VOC/rolling, 12-month period.

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

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

[OAC rule 3745-15-03(A)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>:
0.000310 lb VOC/lb tire produced

Applicable Compliance Method:
Emission limitation is based on an emission factor from AP-42, section 4.12 (draft 2008). If required, the permittee shall demonstrate compliance with the allowable VOC emission limitation above in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18, 25 or 25A, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, NWDO.

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

b. Emission Limitation:
20.36 tons VOC/rolling, 12-month period

Applicable Compliance Method:
Compliance with the allowable VOC emission limitation above shall be based upon the record keeping requirements specified in d)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0112616]

g) Miscellaneous Requirements

(1) None.

13. P047, Curing Presses

Operations, Property and/or Equipment Description:

South Side Curing Presses, consisting of 52 individual curing presses and 1 bladder press

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(X)	None, see b)(2)a.
b.	40 CFR Part 60, Subpart BBB	None, see b)(2)b.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-21-09 (X)(1) pursuant to OAC rule 3745-21-09 (X)(2)(a). Pursuant to OAC rule 3745-21-09 (A)(2)(a) any operation not associated with rubber tires with a bead diameter of less than or equal to 20 inches and a cross-sectional dimension less than or equal to 12.8 inches is exempt from the requirements of OAC rule 3745-21-09 (X)(1).

b. This emissions unit is not applicable to the requirements of 40 CFR Part 60, Subpart BBB. The tires produced in this emissions unit do not meet the definition of a tire as contained in 40 CFR 60.541 based on bead diameter and cross section specifications. The tires produced exceed the bead diameter specification of less than or equal to 0.5 meters (18.7 inches) and the cross section dimension specification of less than or equal to 0.325 meters (12.8 inches).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

14. T008, Heptane Storage Tank

Operations, Property and/or Equipment Description:

18,000 gallon Heptane Storage Tank.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 03-5101, issued 9/19/90	0.10 lb volatile organic compounds (VOC)/hr& 0.44 ton VOC/yr
b.	OAC rule 3745-21-09(L)	See b)(2)a.
c.	40 CFR Part 60, Subpart Kb	See b)(2)b.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the requirements of OAC rule 3745-21-09(L)(1) in accordance with OAC rule 3745-21-09(L)(2) because the capacity of the storage tank is less than 40,000 gallons.

b. 40 CFR, Part 60, Subpart Kb is not applicable to this emissions unit because the storage tank does not have a capacity greater than or equal to 75 cubic meters.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:
0.10 lb VOC/hr& 0.44 ton VOC/yr

Applicable Compliance Method:
These emission limitations are greater than the emissions unit's potential to emit (PTE)*. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations. Compliance will be assumed since the emission limitations are greater than the emissions unit's potential to emit.

*PTE based on Tanks 4 emissions modeling of breathing and working losses is 0.151 tons/yr.

[OAC rule 3745-77-07(C)(1) and PTI #03-5101]

g) Miscellaneous Requirements

(1) None.