

2/17/2012

Certified Mail

Roger Brown  
Chrysler Group LLC - Toledo North Assembly  
4400 Chrysler Drive  
Toledo, OH 43608-4000

Facility ID: 0448010414  
Permit Number: P0088135  
County: Lucas

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

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Toledo Blade. 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](http://www.epa.ohio.gov/dapc) by clicking the "Issued Air Pollution Control Permits" link. 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 Toledo Department of Environmental Services  
348 South Erie Street  
Toledo, OH 43604

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Toledo Department of Environmental Services at (419)936-3015.

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  
TDES; Michigan; Indiana



PUBLIC NOTICE  
2/17/2012 Issuance of Draft Air Pollution Title V Permit

Chrysler Group LLC - Toledo North Assembly  
4400 Chrysler Drive,  
Toledo, OH 43608-4000  
Lucas County  
FACILITY DESC.: Automobile Manufacturing  
PERMIT #: P0088135  
PERMIT TYPE: Renewal  
PERMIT DESC: Automotive and Light Duty Truck Assembly Plant.

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: Danny Pittman, Toledo Department of Environmental Services, 348 South Erie Street, Toledo, OH 43604. Ph: (419)936-3015





## Statement of Basis For Air Pollution Title V Permit

Facility ID:	0448010414
Facility Name:	Chrysler Group LLC - Toledo North Assembly
Facility Description:	Automotive and Light Duty Truck Assembly Plant.
Facility Address:	4400 Chrysler Drive, Toledo, OH 43608-4000
Permit #:	P0105100, 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) IIII, DDDDD

### 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)?	Y
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.	N
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)	PTI P0108063 was issued to modify PTI 04-01102 to change OAC rule references from 17-08 to 17-11 to allow previously fugitive welding fumes to be exhausted through a stack.
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)	PTI 04-01102 was modified by the action of P0108040 to add additional oven capacity to K021, K022, K023 and P008, and increase the allowable VOC emissions for P008.
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)	N/A



**B. Facility-Wide Terms and Conditions**

Term and Condition (paragraph)	Basis		<u>Comments</u>
	SIP (3745- )	Other	
B.1.	N	Y	State/Federal enforceable terms
B.2.	77	N	SIP, insignificant emissions units are listed
B.3.	77	N	SIP, de minimis emissions units are listed
B.4. and B.5.	N	Y	40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart IIII. Notice of compliance option submitted 6/30/2007. Ordinarily these requirements would be incorporated into PartC. of this permit. However, in November, 2008 the Toledo Division of Environmental Services and representatives from the Ohio EPA discussed the issuance of the Toledo Supplier Park Permits (0448010414 - Chrysler, 0448011729 – OMMC (final issue 4/29/09); 0448011730 – KUKA (final issue 12/11/08); and 0448011731 – Magna Steyr) without incorporating the MACTs by reference. Because the final issue Title V permits for both OMMC and KUKA have been issued without incorporating the MACTs by the newer "reference", OEPA will allow the renewal Title V permit for Chrysler to be issued without incorporating the MACTs by "reference". Upon renewal for each of these permits, the MACTs shall be incorporated by "reference".
B.6.	N	Y	40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart DDDDD. Since the Boiler MACT was published as a final rule, it is required to be listed in the Title V permit. On May 16, 2011 the effective date of the rule was stayed. This delay of effectiveness will remain in place until U.S. EPA completes its reconsideration of the rules and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon notification by the DAPC, the permittee shall submit a Minor Permit Modification (MPM) application to incorporate the final effective Boiler MACT requirements into the final Title V permit.
B.7	N	Y	40 CFR Part 63 Subpart EEEE (63.2346). Currently is applicable to no source at this facility. In the event that the permittee changes the materials in an existing affected storage tank that is equal to or greater than 5,000 gallons in such a way that the annual average true vapor pressure of the total organic hazardous air pollutant is above 4.0 psia, the permittee shall be subject to additional requirements pursuant to 40 CFR Part 63 Subpart EEEE and shall ensure compliance with those requirements.



**Emissions Unit Terms and Conditions**

Key:															Comments
EU = emissions unit ID ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit) OR = operational restriction M = monitoring requirements St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement ENF = did noncompliance issues drive the monitoring requirements? R = record keeping requirements Rp = reporting requirements ET = emission testing requirements (not including compliance method terms) Misc = miscellaneous requirements															
(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	
		SIP (3745- )	Other												
B008, B009 & B010 - 32.66 mmBtu/hour hot water generators, natural gas fired with low NOx burners	0.083 lb CO/mmBtu 11.9 tpy CO, 7.0 tpy NOx, 0.81 tpy PM10, 0.0006 lb SO2/mmBtu, 0.09 tpy SO2, 0.78 tpy VOC, 5% opacity	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - highest criteria pollutant level emissions (NOx) for 2008 was estimated at 1.53 tons/yr for boiler B008, making these non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.049 lb NOx/mmBtu 0.0056 lb PM10 mmBtu, 0.0054 lb VOC/mmBtu	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of PTI 04-01102. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - highest criteria pollutant level emissions (NOx) for 2008 was estimated at 1.53 tons/yr for boiler B008, making these non-major emissions units and not subject to additional stack testing per Engineering Guide #16.



None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND - 20% opacity and 0.020#PE/mmBtu is effectively less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
0.20 lb PE mmBtu	17-10 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - none required at this emissions level	
Exemption	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt from SO2 requirements because the commercially available natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet).	
None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - This rule is no longer in effect, it was equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.	
None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - originally determined to be equivalent to the BAT determination of 3745-31-05(A)(3) for NOx, OAC rule 3745-23-06 was deleted from the State implementation plan.	
maintain records of the amounts of each fuel combusted	N	Y	N	N	N	N	N	N	Y	N	N	N	N	R - The sole applicable requirement for natural gas is that the permittee record and maintain records of the amounts of each fuel combusted during each month as per 60.48c(g)(2)	
Stayed	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart DDDDD, which became applicable to the facility on September 13, 2007, however applicability is currently stayed.	



<p>B011, B014, B016, B017, B019, B028, &amp; B031: 12.02 mmBtu/hr direct fired natural gas air makeup unit with no controls</p>	<p>0.02 lb CO/ mmBtu, 1.1 tpy of CO, 5.3 tpy NOx, 0.28 tpy VOC</p>	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>OR,M,R,Rp - to be determined.</p> <p>Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
	<p>0.1 lb NOx/ mmBtu, 0.0052 lb VOC/ mmBtu</p>	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - OAC rule 3745-31-05(A)(3) PSD determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
	<p>20% opacity as a 6-minute average</p>	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>OR, M, R, RP - clean fuel requirements. St - revised where necessary to incorporate the latest OEPA library terms.</p>
	<p>None</p>	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	<p>Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U&lt;10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.</p>



	None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet), no limitations have been set by BAT.
	None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
	None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
	None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating
B012, B013, B015, B023, B024 & B025, 15.03 mmBtu/hr direct fired natural gas air makeup unit with no controls	0.02 lb CO/mmBtu, 1.4 tpy of CO, 6.6 tpy NOx, 0.35 tpy VOC	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.1 lb NOx/mmBtu, 0.0052 lb VOC/mmBtu	31-10 thru 20	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the PSD determination of PTI 04-01102. OR,M,R,Rp - restricted to State library terms for clean fuel. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	20% opacity as a 6-minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR. M, R, RP - clean fuel requirements.



																St - revised where necessary to incorporate the latest OEPA library terms.
None	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U<10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.
None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet)., no limitations have been set by BAT.
None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating



B018, B021, B026 & B027, 13.53 mmBtu/hr direct fired natural gas air makeup unit with no controls	0.02 lb CO/ mmBtu, 1.2 tpy of CO, 6.0 tpy NOx, 0.31 tpy VOC	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.1 lb NOx/ mmBtu, 0.0052 lb VOC/ mmBtu	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) PSD determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	20% opacity as a 6- minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR, M, R, RP - clean fuel requirements. St - revised where necessary to incorporate the latest OEPA library terms.
	None	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U<10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.
	None	18-06	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain





20% opacity as a 6-minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR. M, R, RP - clean fuel requirements. St - revised where necessary to incorporate the latest OEPA library terms.
None	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U<10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.
None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet)., no limitations have been set by BAT.
None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating



B029; 16.53 mmBtu/hr direct fired natural gas air makeup unit with no controls	0.02 lb CO/ mmBtu, 1.45 tpy of CO, 7.24 tpy NOx, 0.38 tpy VOC	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.1 lb NOx/ mmBtu, 0.0052 lb VOC/ mmBtu	31-10 thru 20	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the PSD determination of PTI 04-01102. OR - restricted to clean fuel. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	20% opacity as a 6- minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR. M, R, RP - clean fuel requirements. St - revised where necessary to incorporate the latest OEPA library terms.
	None	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U<10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.



	None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet), no limitations have been set by BAT.
	None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
	None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
	None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating
B030; 11.03 mmBtu/hr direct fired natural gas air makeup unit with no controls	0.02 lb CO/ mmBtu, 0.97 tpy of CO, 4.84 tpy NOx, 0.26 tpy VOC	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01102 last modified on 9/8/05. OR,M,R,Rp - restricted to State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.1 lb NOx/ mmBtu, 0.0052 lb VOC/ mmBtu	31-10 thru 20	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the PSD determination of PTI 04-01102. OR - restricted to clean fuel. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.



20% opacity as a 6-minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR. M, R, RP - clean fuel requirements. St - revised where necessary to incorporate the latest OEPA library terms.
None	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - Direct fired units are not regulated for particulate by OAC rules 3745-17-10(B)(1), But do emit particulate. As such they are considered a process (per OEPA S,Singal 10/22/09), however are exempted from Figure I applicability as U<10 lb/hr and have no applicable requirements under Table II at P=0 as gaseous fuels (natural gas) and combustion air are not included in the calculation of the process weight rate.
None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet)., no limitations have been set by BAT.
None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating



<p>B402; up to 95 mmBtu/hr installed total of indirect fired natural gas air makeup units. each less than 10 mmBtu/hr with no controls</p>	<p>0.083#/ mmBtu; 7.9#/hr &amp; 10.93 tpy CO; 8.1#/hr &amp; 11.18 tpy NOx; 0.19#/hr &amp; 25 tpy PE; 0.72#/hr &amp; 0.99 tpy PM10; 0.0006 #/mmBtu, 0.06#/hr &amp; 0.08 tpy SO2; 0.52#/hr &amp; 0.71 tpy VOC &amp; 5% percent opacity as a six-minute average</p>	<p align="center">N</p>	<p align="center">Y</p>	<p align="center">N</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">N</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">N</p>	<p align="center">N</p>	<p>Basis - OAC rule 3745-31-05(A)(3) BAT determination of PTI 04-01359 last modified on 11/29/07. a number of deminimis sources are grouped here as B402 for enforceability purposes. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.  Note: Chrysler previously provided information from the USEPA FIRE database that suggests that CO emissions from small natural gas-fired units such as air supply make-up units are more appropriately represented by an emission factor of 0.02 lbs/MMBtu. The FIRE factor is noted in previous sections of this permit and is acceptable for this emissions unit following the corresponding modification of PTI 04-01359.</p>
	<p>The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed: 56 tons of CO per rolling, 12-month period; and 9.01 tons of SO2 per rolling 12-month period.</p>	<p align="center">31-05 (D)</p>	<p align="center">N</p>	<p align="center">N</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">N</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">Y</p>	<p align="center">N</p>	<p align="center">N</p>	<p>OR,M,R,Rp - restricted to State library terms for clean fuel with recordkeeping for fuel usage. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>



<p>0.0.85#/mmBtu NOx; 0.0019#/mmBtu PE; 0.0075#/mmBtu PM10</p>	<p>31-10 thru 20</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Basis - established by the PSD determination of PTI 04-01102. DaimlerChrysler requested to install a number of small indirect fired natural gas heaters during the construction of a new major facility. Individually these emissions sources would qualify for a de minimis permit exemption, however one permit lumping the total emissions was issued to make enforceable the facility PSD determination OR,M,R,Rp - restricted to clean fuel. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
<p>The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed: 12.44 tons of NOx per rolling, 12-month period; 0.52 ton of PE per rolling, 12-month period; and 1.41 tons of PM10 per rolling 12-month period.</p>	<p>31-10 thru 20</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>OR,M,R,Rp - restricted to State library terms for clean fuel with recordkeeping for fuel usage. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
<p>0.085 pound of NOx per mmBtu; and 0.0054 pound of VOC per mmBtu.</p>	<p>31-21 thru 27</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Y</p>	<p>N</p>	<p>Basis - established by the PSD determination of PTI 04-01102. DaimlerChrysler requested to install a number of small indirect fired natural gas heaters during the construction of a new major facility. Individually these emissions sources would qualify for a de minimis permit exemption, however one permit lumping the total emissions was issued to make enforceable the</p>



																<p>facility PSD determination As such they are grouped here as B402 for enforceability purposes.          OR,M,R,Rp - restricted to clean fuel.          ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
	<p>The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed:          12.44 tons of NOx per rolling, 12-month period; and          0.74 ton of VOC per rolling 12-month period.</p>	31-21 thru 27	N	N	Y	Y	N	N	Y	N	Y	N	Y	N		<p>OR,M,R,Rp - restricted to State library terms for clean fuel with recordkeeping for fuel usage.          St - revised where necessary to incorporate the latest OEPA library terms.          ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.</p>
	None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N		<p>ND - 20% opacity as a 6-minute average is less stringent than the emissions limitation established by the BAT determination of OAC rule 3745-31-05(A)(3)</p>
	None	17-10 (B)(1)	N	Y	N	N	N	N	N	N	N	N	N	N		<p>ND - 0.020#PE/mmBtu is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
	None	18-06 (A)	N	Y	N	N	N	N	N	N	N	N	N	N		<p>ND - exempt because the natural gas being combusted meets certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet)., no limitations have been set by BAT.</p>



	None	21-08 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for CO. On November 5, 2002, OAC rule 3745-21-08 was revised to delete this rule.
	None	23-06 (B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3) for NOx. OAC rule 3745-23-06 was revised to delete this rule.
	None	40 CFR Part 60 Subpart Dc	N	Y	N	N	N	N	N	N	N	N	N	N	ND - not applicable this emissions unit is not steam generating
F001 Paved roadways and parking areas at Stickney	0.32 lb/hr and 1.4 tpy PM10	31-10	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of PTI 04-01102. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	No visible particulate emissions except 1 min per hour	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT determination of PTI 04-01102. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	best available control measures	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT determination of PTI 04-01102. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	None	17-07 (B)(4)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - no VE for 6 minutes per hour is less stringent than the emissions limitation established by the BAT determination of OAC rule 3745-31-05(A)(3)
	None	17-08 (B), (B)(7), (B)(8), (B)(9)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - reasonably available control measures are presumed to be equal to or less stringent than the emissions limitation established by the BAT determination of OAC rule 3745-31-05(A)(3)
F401 Paved roadways	14 tons as PE per year.	N	Y	N	Y	Y	N	N	Y	N	Y	Y	N	N	Basis - 3745-31-05(A)(3) as established by the BAT



and parking areas at TNAP																determination of PTI 04-01359. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	No visible particulate emissions except for 1 minute during any 60-minute period	N	Y	N	Y	Y	N	N	Y	N	Y	Y	N	N		Basis - 3745-31-05(A)(3) as established by the BAT determination of PTI 04-01359. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	best available control measures	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 3745-31-05(A)(3) as established by the BAT determination of PTI 04-01359. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	2.8 tons as PM10 per year.	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - established by the PSD determination of PTI 04-01359. OR,M,R,Rp - utilizes the updated language of the general permit St - utilizes the updated language of the general permit
	None	17-07 (B)(1)	N	Y	N	N	N	N	N	N	N	N	N	N		ND - no VE for 6 minutes per hour is less stringent than the emissions limitation established by the BAT determination of OAC rule 3745-31-05(A)(3)
	None	17-08 (B), (B)(7), (B)(8), (B)(9)	N	Y	N	N	N	N	N	N	N	N	N	N		ND - reasonably available control measures are presumed to be equal to or less stringent than the emissions limitation established by the BAT determination of OAC rule 3745-31-05(A)(3)
G002 GDF with a refrigerant type Stage II vapor recovery system and one 20,000 gallon underground gasoline storage	stage I & stage II vapor recovery w/90% control efficiency	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-830 issued in June of 1993. This determination allows the usage of the equivalent to stage II vapor recovery. The company has volunteered the use of a 95%



tank, with a Stage I vapor recovery system; Stickney Plant.																	effective on-board vapor recovery system as an equivalent to stage II by correspondence dated 3/8/11. OR,M,R&Rp - maintenance and procedural requirements specified PTI 04-01359 G401 with updated reporting requirements standardized as "deviation" reports. Note: G002 Production gasoline dispensing ended in July 2007 when the former Jeep Wrangler Stickney facility ceased operations. The same underground storage tank remains in use supplying G003 and G401. The company has been requested to withdraw this emissions unit.
	2.3 tpy VOC	31-05 (D)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N			Basis - netting limitations established by PTI 04-830. Restricted throughput to 1,925,000 gallons of gasoline per year. OR,M,R&Rp - as formalized in OEPA library T&Cs/
	None	21-09 (R)	N	Y	N	N	N	N	N	N	N	N	N	N			ND - equivalent to the BAT determination of 3745-31-05(A)(3).
	None	21-09 (DDD)	N	Y	N	N	N	N	N	N	N	N	N	N			ND - 21-09(DDD) is not applicable as Lucas County is not named in OAC rule 3745-21-09(A)(4).
G003 - gasoline dispensing operations with Stage II vapor control or ORVR control and gasoline AST with Stage I control, TNAP	stage I & stage II vapor recovery w/90% control efficiency	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N			Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-01102. This determination allows the usage of an on-board vapor recovery system as an equivalent to stage II. OR,M,R&Rp - maintenance and procedural requirements specified in OAC rule 3745-21-09(R) and (DDD) as formalized in OEPA library T&Cs



	34.0 tpy VOC	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC rule 3745-31-05(A)(3) in PTI 04-01102. OR,M,R&Rp - as formalized in OEPA library T&Cs
	None	21-09 (R)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3).
	None	21-09 (DDD)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 21-09(DDD) is not applicable as Lucas County is not named in OAC rule 3745-21-09(A)(4).
G401 - Gasoline dispensing facility using on-board refueling vapor recover (ORVR) for control. Located at Toledo Supplier Park Final Assembly. (draws from G002 and G003 tanks)	stage I vapor recovery w/90% control efficiency or equivalent	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-01359. OR,M,R&Rp - maintenance and procedural requirements specified in OAC rule 3745-21-09(R) as formalized in OEPA library T&Cs/
	ORVR system with 96% control	N	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-01359. This determination allows the usage of an on-board vapor recovery system as an equivalent to stage II. OR,M,R&Rp - maintenance and procedural requirements specified PTI 04-01359 with updated reporting requirements standardized as "deviation" reports. Company supplied information sets effective control at 96%.
	3.1 tpy VOC	31-21 thru 27	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC rule 3745-31-05(A)(3) in PTI 04-01102. OR,M,R&Rp - as formalized in OEPA library T&Cs
	None	21-09 (R)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - equivalent to the BAT determination of 3745-31-05(A)(3).
	None	21-09 (DDD)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 21-09(DDD) is not applicable as Lucas County is not named in OAC rule 3745-21-09(A)(4).



K008, K009 & K010 Automotive off-line repair booth w/ dry filtration activated carbon filters and low temperature infra-red oven	38.4 lbs/day VOC for emissions units K008, K009, and K010 combined	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-747. OR,M,R,Rp - State library terms and conditions added. St - revised where necessary to incorporate the latest OEPA library terms. ET - reported 0 VOC emissions for 2008, no stack testing will be required.
	6.0 tpy of VOC as a rolling, 12-month summation for emissions units K008, K009, and K010, combined	31-05 (D)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the netting calculations in PTI 04-747. OR,M,R,Rp - State library terms and conditions added. St - revised where necessary to incorporate the latest OEPA library terms.
	20% opacity as a 6-minute average	17-07 (A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-747 did not address VE from this source. Engineering guide 75 establishes this source as being regulated. OR,M,R,Rp - requires fabric filter and is restricted by State library terms for "clean" paint spray booths. St - revised where necessary to incorporate the latest OEPA library terms.
	0.551 lb/hr of PE	17-11 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-747 did not address PE from this source. Engineering guide 75 establishes this source as being regulated by 17-11. This emissions limitation is equivalent to the 17- 07(B)(1) minimum process weight rule (the combined uncontrolled emissions were less than 10 pounds per hour, Figure II does not apply). The company maintains that particulate control is essential to the



																<p>operation of the equipment. After acceptance of the OAC rule 3745-17-11(C) this requirement will go away, to be replaced by compliance with OAC rules 3745-17-11(C)(1), (2).</p> <p>OR,M,R,Rp - requires fabric filter and is for (B)((1) is restricted by State library terms for "clean" paint spray booths as with 17-07. For (C)(1), (2) more extensive terms are recommended.</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p> <p>ET - reported 0 VOC emissions for 2008, no stack testing will be required.</p>
	work practices	17-11 (C)(1), (C)(2)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-747 did not address PE from this source. Engineering guide 75 establishes this source as being regulated. After acceptance of the changes to OAC rule 3745-17 this requirement will become applicable.</p> <p>OR,M,R,Rp - requires fabric filter and is restricted by State library terms for 17-11(C) these terms will be adequate to demonstrate compliance with the "clean" required for 17-07 and will replace them.</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p>	
	4.8 lbs of VOC/ gallon	21-09 (C)(1) (d)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>OR,M,R,Rp - Requires the use of compliance coatings in order to maintain monthly recordkeeping.</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p>	
	None	Y	N	N	N	N	N	N	N	N	N	N	N	N	<p>Basis - 40 CFR Part 60 Subpart MM does not apply to final repair.</p>	



	combined organic hazardous air pollutant (HAP) emissions from this emissions unit shall not exceed 0.072 kilogram per liter of applied coating solid	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis - 40 CFR Part 63, Subpart IIII and applicable portions of 40 CFR Part 63, Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K021 - Electrodeposition (E-Coat), prime coat of automobile bodies with RTO on oven exhaust	5 percent opacity from the RTO stack	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102. OR - minimum incinerator operating temperature restrictions to assure compliance. M,R,Rp - temperature and coating usage per State library terms and conditions added, modified as necessary to match the NSPS requirements. St - revised where necessary to incorporate the latest OEPA library terms.
	52.01 tons of VOC per rolling 12-month period,	N	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102. In their original PTI Chrysler requested a permit allowable emission limitation of 52.01 tons per year maximum VOC emissions with 6069 hours of operation (which was considered to be the maximum operating time possible) OR - minimum incinerator operating temperature restrictions to assure compliance. M,R,Rp,ET - State library terms and conditions added, modified as necessary to match the NSPS requirements. St - revised where necessary to incorporate the latest OEPA library terms.



	0.23 pound of VOC per gallon of applied solids	31-10 thru 20	N	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	<p>Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102. More restrictive than OAC rule 3745-21-09(C)(1)(c) and NSPS MM.</p> <p>OR - minimum incinerator operating temperature restrictions to assure compliance.</p> <p>M,R,Rp - State library terms and conditions added, modified as necessary to match the NPS requirements.</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p> <p>ET - emissions of VOC for 2009 were estimated at 1.911 tons/yr, making this a non-major emissions unit and not subject to additional stack testing per Engineering Guide #16. This RTO is shared with K023, which is a major emissions unit, and stack testing will be required for that source. Chrysler last tested the incinerator controlling K021 and K023 on October 21, 2009. Test results indicated a destruction efficiency of 97.1% (95% required) at 1411 degrees Fahrenheit (non-marginal compliance). Testing was at a production level of 40 jobs per hour for K021 and 66 jobs per hour for K023.</p>
	None	17-07 (A)(1) & 17-11 (B)(1) 17-11 (C)(1)	N	Y	N	N	N	N	N	N	N	N	N	<p>ND - Since no spraying of coating occurs, the bodies are dipped, OAC 3745-17 is not applicable.</p>	



	None	21-09 (C)(1) (a)(i) thru (a)(iv)	N	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	<p>Basis - the most stringent limitation of 21-09 is 1.4#VOC/gal applied solids, which is much less restrictive than the BAT (PSD) determination of 0.23 lb/gacs in PTI 04-01102. The MR&amp;Rp requirements of OAC rule 3745-21-09(B)(3)(j)&amp;(k) have been determined to be less stringent than the requirements established by the BAT determination of OAC rule 3745-31-05(A)(3), i.e., daily recordkeeping and 45 day reporting at up to 50 degrees less than the test conditions vs. monthly recordkeeping and operation at not less than the test temperature and quarterly reporting. However a failure to comply with the OAC rule daily recordkeeping requirements would leave Chrysler subject to enforcement by the USEPA since any alternative recordkeeping and reporting program approved by the director also must be approved by the USEPA as a revision to the state implementation plan. Therefore unless the SIP is modified, the full MR&amp;Rp requirements of this rule are applicable. With the exception of the 45 day reporting, these terms are identical to those required for demonstration of compliance with OAC rule 3745-31-10 through 20. MRRp - per Library terms for 21-09(B)(3)(j) and (k)</p>
	None	N	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	<p>Basis – 40 CFR Part 60, Subpart MM. The most stringent limitation on this type of equipment, at 0.17 kilograms of VOC per liter (1.42 pounds of VOC per gallon) of applied coating solids on a monthly basis, set by 40 CFR Part 60 Subpart MM, is less stringent than the BAT (PSD) determination of OAC rule 3745-31-05(A)(3) in PTI</p>



																04-01102. As stated above the full MR&Rp requirements of this rule are applicable, and included by reference in the permit.
General requirements	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2. of the permit).
0.60#HAPs/gal of coating solids deposited during each month	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart III, which became applicable to the facility on April 26, 2007 OR - minimum incinerator operating temperature restrictions to assure compliance. M,R,Rp - see B.2. of the permit requirements.
CAM	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	N	N		40 CFR 64.2 - CAM applies as the uncontrolled potential emissions are 1040.2 TPY VOC. M,R,Rp - M,R,Rp - Chrysler submitted specific language for CAM M&R which has been included in the permit. The U.S. EPA has clarified that the monitoring for the MACT emission limitation could satisfy CAM for the criteria pollutant limitation as well. Ohio EPA maintains that Title V permits already contain adequate parametric monitoring to ensure ongoing compliance with applicable requirements and in many cases the existing parametric monitoring can and should serve as the basis for CAM. Since approvable MR&Rp language already exists in the permit, and may be considered separately enforceable as CAM, no critical evaluation of the company supplied CAM terms was considered necessary.



K021 - 26.0 mmBtu/hr indirect fired, natural gas drying oven combustion emissions	0.083#/mmBtu & 9.5 tpy CO, 11.4 tpy NOx, 0.064 tpy PM10, 0.0006#/mmBtu & 0.068 tpy SO2; 0.62 tpy VOC; 5% opacity as a 6- minute average	N	N	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	Basis - established by OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 8, 2005, these levels of allowable emissions represent full PTE for this emissions unit. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	0.100 lb NOx, 0.056 lb PM10, and 0.0054 lb VOC/mmBtu of actual heat input.	31-10 thru 20	N	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102 as modified September 8, 2005 these levels of allowable emissions represent full PTE for this emissions unit. OR,M,R,Rp - restricted State library terms for clean fuel. St - revised where necessary to incorporate the latest OEPA library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	None	17-07 (A)(1)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 20 % opacity is less stringent that the BAT established by OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 6, 2000.
	0.020#PE/mmBtu	17-10 (B)(1)	N	N	Y	Y	N	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - restricted State library terms for natural gas as clean fuel. St - revised to incorporate the OEPA clean fuel library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	None	18-06(A)	N	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - restricted State library



																terms for natural gas as clean fuel. St - revised to incorporate the OEPA clean fuel library terms.  ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	nuisance odor restrictions	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Misc - nuisance odor restrictions established in the PTI 04-1102, are not considered Federally enforceable and do not have enforceable terms and conditions.
	Stayed	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart DDDDD, which became applicable to the facility on September 13, 2007, however applicability is currently stayed. OR,M,R,Rp - to be determined.
K022 - Electrostatic powder anti-chip guidecoat with particulate filtration for overspray	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 the requirements of this sets BAT as compliance with the requirements of OAC rule 3745-21-09(C)(1)(a)(v) and 40 CFR Part 60, Subpart MM and includes compliance with OAC rules 3745-31-10 thru 20. M,R,Rp,ET - no controls; compliance demonstrated by record keeping of material usage.
	3.25 tons of VOC per rolling 12-month period	31-10 thru 20	N	N	N	Y	N	N	Y	N	Y	N	N	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102. These levels of emissions are equivalent to the requirements of OAC rule 3745-21-09(C)(1)(c) and NSPS MM. M,R,Rp,ET - no controls; compliance demonstrated by record keeping as outlined in 40 CFR Part 60 Subpart MM.
	20% opacity as a 3-minute average	17-07 (B)(1)	N	N	N	N	N	N	N	N	N	N	N	N	N	Basis - PTI 04-01102 does not establish an OAC rule 3745-17 limitation as the process control was considered an inherent part of the



																<p>system and all PE emissions are released inside the building. A SIP limitation has been added to the permit for emissions from the building</p> <p>OR,M,R,Rp - Since the fabric filter used as control which are considered to be inherent to the system, no filter MR&amp;Rp is required. Standard VE terms were no added based on a site inspection determination made by OEPA.</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p>
	RACT control	17-08 (B)(1)	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - this source is treated as fugitive for SIP applicability. PTI 04-01102 does not establish an OAC rule 3745-17 limitation as the process control is an inherent part of the system and all PE emissions are released inside the building.</p> <p>OR,M,R,Rp - Since the fabric filter used as control which are considered to be inherent to the system, no filter MR&amp;Rp is required, only standard VE terms have been added..</p> <p>St - revised where necessary to incorporate the latest OEPA library terms.</p>	
	2.8#/gal of coating, excluding water and exempt solvents, or 15.1#VOC/gallon of deposited coating solids on a daily basis	21-09 (C)(1) (a)(v)	N	N	N	Y	N	N	Y	N	Y	N	N	N	<p>M,R,Rp,ET - no controls; compliance demonstrated by record keeping of VOC content and usage as a daily volume weighted average or by the usage of compliance coatings,</p>	



	1.40 kg VOC/liter (11.7 pounds of VOC per gallon) of applied coating solids on a monthly basis	Y	N	N	N	Y	N	N	Y	N	Y	N	N	N	Basis - established by NSPS MM. M,R,Rp,ET - no controls; compliance demonstrated by record keeping as outlined in 40 CFR Part 60 Subpart MM.
	None	Y	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.60#HAPs/gal of coating solids deposited during each month or combined HAP emissions shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month.	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - minimum incinerator operating temperature restrictions and operating practices to assure compliance - see B.2 of the permit requirements.
	nuisance odor restrictions	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Misc - nuisance odor restrictions established in the PTI 04-1102, are not considered Federally enforceable and do not have enforceable terms and conditions.
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K022 - 35.8 mmBtu/hr indirect fired, natural gas drying oven combustion emissions	0.083 lb CO/mmBtu of actual heat input, 12.9 tons CO/yr, 15.5 tons NOx/yr, 0.87 ton PM10/yr, 0.0006 lb/mmBtu input & 0.093 tpy SO2, 0.84 ton VOC/yr, & 5% opacity	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by OAC rule 3745-31-05(A)(3) in PTI 04-01102. OR - restricted to the use of natural gas clean fuel. M,R,Rp - OEPA clean fuel terms and conditions
	0.100 lb NOx, 0.0056 lb PM10, and 0.0054 lb VOC/mmBtu of actual heat input.	31-10 thru 20	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102. OR - restricted to the use of natural gas clean fuel. M,R,Rp - OEPA clean fuel terms



															and conditions
	None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - less restrictive than the BAT determination of OAC rule 3745-31-05.
	0.020 pound per million Btu of actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR,M,R,Rp - clean fuel requirements and compliance by AP-42 for natural gas.
	Exemption for natural gas fired only	18-06(A)	N	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - restricted State library terms for natural gas as clean fuel. St - revised to incorporate the OEPA clean fuel library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	Stayed	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart DDDDD, which became applicable to the facility on September 13, 2007, however applicability is currently stayed. OR,M,R,Rp - to be determined.
K023 - 2 automotive topcoat booths w/ water wash filtration & RTO on 2 clearcoat drying oven exhausts	66.9 tpy PM10, 5 percent opacity	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	Y	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102. OR,M,R,Rp - operating restrictions requirements for a water wash, material solids and throughput records to assure compliance with PE restrictions from spray painting. RTO operating temperature restrictions to assure VOC compliance. Chrysler last tested the incinerator controlling K021 and K023 on October 21, 2009. Test results indicated a destruction efficiency of 97.1% (95% required) at 1411 degrees Fahrenheit (non-marginal compliance). Testing was at a production level of 40 jobs per hour for K021 and 66 jobs per hour for K023. Misc - nuisance odor restrictions established by OAC 3745-31-05(A)(3) in PTI 04-01102.



	100% capture and a minimum of 95 % control of VOC	N	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	<p>Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102. More restrictive than OAC rule 3745-17-07(A)(3).</p> <p>M,R,Rp - confirms operation of the control equipment while the emissions unit is in use. Chrysler last tested the incinerator controlling K021 and K023 on October 21, 2009. Test results indicated a destruction efficiency of 97.1% (95% required) at 1411 degrees Fahrenheit (non-marginal compliance). Testing was at a production level of 40 jobs per hour for K021 and 66 jobs per hour for K023.</p> <p>ET - 147 tons of VOC reported for calendar year 2008, per Ohio EPA this source will be allowed to perform stack testing every 5 years for capture and control efficiency</p>
	15.3#/hr PM10, 8.63 lbs VOC/gal of applied coating solids on a monthly basis, & 768.68 tpy VOC	31-10 thru 20	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102.</p> <p>OR,M,R,Rp - operating restrictions requirements for a water wash, material solids and throughput records to assure compliance with PM10 restrictions from spray painting. Operating restrictions requirements for a thermal incinerator and throughput records to assure compliance with VOC restrictions.</p> <p>ET - 147 tons of VOC reported for calendar year 2008, per EG#16 testing will be required every 5 years for capture. Ohio EPA determined that testing every 5 years for control efficiency was adequate for this source.</p>
	operating practices	17-11	N	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis - OAC rule 3745-17-11(C)









	0.020 pound per million Btu of actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR,M,R,Rp - clean fuel requirements and compliance by AP-42 for natural gas.
	0.6#SO2/mmBtu	18-06(A)	N	N	Y	Y	N	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - restricted State library terms for natural gas as clean fuel. St - revised to incorporate the OEPA clean fuel library terms. ET - these are non-major emissions units and not subject to additional stack testing per Engineering Guide #16.
	Stayed	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart DDDDD, which became applicable to the facility on September 13, 2007, however applicability is currently stayed. OR,M,R,Rp - to be determined.
K024 - Automotive off-line repair (low temperature bake) Spoven (combination spray booth and electric oven) w/ dry filtration, Spoven 1 and 2 at TNAP	5 percent opacity	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 6, 2000. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions. Misc - nuisance odor restrictions established by OAC 3745-31-05(A)(3) in PTI 04-01102.
	2.4 tpy PM10	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as full PTE at 8760 hours. OR,M,R,Rp - requires use of a fabric filter.
	28 tons VOC/per rolling 12-month period	N	Y	N	N	Y	Y	N	Y	Y	Y	Y	N	N	Basis - Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 6, 2000, as full PTE at 8760 hours. M,R,Rp - per OEPA library terms to track 12-month rolling limitations.



0.551 lb PM10/hr	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - superficially established to be as stringent as OAC rule 3745-17-11(B)(1) minimum process weight rate requirements as a combined limitation for both booths. The company maintains that particulate control is essential to the operation of the equipment. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions as inherently clean.
4.8 pounds per gallon of coating, excluding water and exempt solvents.	21-09 (C)(1)(d)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established as BACT by the PSD determination of PTI 04-01102 as modified September 6, 2000. M,R,Rp - as required by OAC rule 3745-21-09(C)(1)(d) with OEPA standard library terms and conditions. ET - not required; no control utilized.
None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average form the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102
20% opacity as a 3-minute average	17-07 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions as inherently clean.
reasonably available control	17-08 (B), (B)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions as inherently clean.
0.551 lb/hr PE, or control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements	17-11 (B)(1) (C)(1), (C)(2)	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - No PE limitation was established by the BAT determination of PTI 04-1102, this regulation establishes control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements Although BAT was established after January 1, 1990, only a PM10 emissions limitation was established.



															OR,M,R,Rp - per OEPA library terms
	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to final repair
	General	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.072 kilogram HAPs per liter (0.60 pound per gallon) of coating solids deposited during each month	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K027 - Automotive blackout w/ dry filtration; air dried	5 percent opacity	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 8, 2005. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions. Misc - nuisance odor restrictions established by OAC 3745-31-05(A)(3) in PTI 04-01102.
	0.63 lb PM10/hr	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102. superficially established to be as stringent as OAC rule 3745-17-11(B)(1) process weight rate requirements. The company maintains that particulate control is essential to the operation of the equipment. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions.



2.8 tpy PM10	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as full PTE at 8760 hours. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions. .
2.0 lbs of VOC/gal of coating.	31-10 thru 20	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102. more stringent than the VOC restriction of OAC rule 3745-21-09(U)(1)(i) M,R,Rp - as required by OAC rule 3745-21-09(B)(3) with OEPA standard library terms and conditions. . ET - not required; no control utilized.
54 tons VOC/per rolling 12-month period	N	Y	N	N	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as full PTE at 8760 hours. M,R,Rp - per OEPA library terms to track 12-month rolling limitations.
None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average form the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102
0.63#PE/hr	17-11 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - BAT for PTI 04-1102 as originally issued and as modified 9/6/02 set limitations for PM10 only. As defined in 3745-17-01 particulate emissions (PE) are those which are measured by a M5 test. The appropriate test for PM10 is M201 and 202. Therefore: 17-11(B)(1) will apply until 17-11(C) is approved by the USEPA. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions.



	control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements	17-11 (C)(1), (C)(2)	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - No PE limitation, this regulation establishes control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements Although a particulate BAT was established after January 1, 1990, only a PM10 emissions limitation was established. OR,M,R,Rp - per OEPA library terms
	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	ND - OAC rule 3745-21-09(U)(1)(i): 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents, is less stringent than the BAT determination of PTI 04-1102.
	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to blackout
	General	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.072 kilogram HAPs per liter (0.60 pound per gallon) of coating solids deposited during each month	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K029 - Automotive off-line touch-up repair w/ dry filtration; air dry	5 percent opacity	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as modified September 8, 2005. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions. Misc - nuisance odor restrictions established by OAC 3745-31-05(A)(3) in PTI 04-01102.



5.6 tons of VOC per year	N	N	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis - established by the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102 as full PTE. M,R,Rp - per OEPA library terms to track 12-month rolling limitations.
4.8 lbs of VOC/gal of coating.	N	N	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01102 aa equivalent to 21-09(C)(1)(d). M,R,Rp - as required by OAC rule 3745-21-09(B)(3) with OEPA standard library terms and conditions. ET - not required; no control utilized.
None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average from the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01102
0.551 lb/hr PE	17-11 (B)(1)	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - No PE limitation was established by the BAT determination of PTI 04-1102, therefore SIP applies, until the SIP revisions are approved. OR,M,R,Rp - per OEPA library terms
control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements	17-11 (C)(1), (C)(2)	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - No PE limitation, this regulation establishes control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements Although BAT was established after January 1, 1990, only a PM10 emissions limitation was established. The company maintains that particulate control is essential to the operation of the equipment. OR,M,R,Rp - per OEPA library terms



	4.8 lbs of VOC/gal of coating.	21-09 (C)(1) (d)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	M,R,Rp - as required by OAC rule 3745-21-09(B)(3) with OEPA standard library terms and conditions. . ET - not required; no control utilized.
	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to touch-up
	General	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.072 kilogram HAPs per liter (0.60 pound per gallon) of coating solids deposited during each month	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K401, automotive off-line repair in open areas with light sanding, brush-on coating and portable electric infrared curing, with dry filtration	2.4 tons of particulate emissions (PE) per rolling, 12-month period, 1.85 tons of PM10 per year, 12 pounds of volatile organic compounds (VOC) per hour, 14.0 tons of VOC per year, 5% stack opacity as a 6-minute average	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) established in PTI 04-01359 as last modified on 11/29/07. Low bake repair (K001 thru K007) consists of off-line manual spray painting of vehicles blemished during the assembly process. These processes may be carried out in the open (K401). In general the operations of K401 are minimal in emissions with surface preparation done by hand or with minimal mechanical assistance, and paint application is by brush or spray can. MR&Rp are per standard library terms for a clean source (PE) with canned language added for 21-09. ET - estimated usage of these sources is about 5% of allowable. No testing is required at these levels.



1.6 pounds of PM10 per hour, 98% control of particulate emissions, combined emissions from K401 thru K407 shall not exceed 1.85 tons of PM10	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01359 M,R,Rp - as required by OEPA standard library terms and conditions for a clean operation. . ET - not required. The company maintains that particulate control is essential to the operation of the equipment.
4.8#VOC/gallon as a daily volume weighted average of coating, excluding water and exempt solvents, and combined emissions from K401 thru K407 shall not exceed 16.5 tons of VOC per rolling, 12-month period.	31-21 thru 27	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the non-attainment new source review determination of OAC 3745-31-21 thru 27 of PTI 04-01102, and established superficially as equivalent to the VOC restriction of OAC rule 3745-21-09(U)(1)(i) M,R,Rp - as required by OAC rule 3745-21-09(C)(1)(d) with OEPA standard library terms and conditions. ET - not required; no control utilized.
None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average form the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359
None	17-07 (B)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a three-minute average form the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359
None	17-08 (B), (B)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - repairs are made in open areas with light sanding, etc, which effectively makes this a fugitive source with stack emissions as outlined in EG#75. OR,M,R,Rp - requires use of a fabric filter with OEPA standard library terms and conditions as inherently clean.



	0.551 pounds PE per hour	17-11 (B)(1),	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - the BAT determination of PTI 04-1359 established a limitation equivalent to 17-11(B)(1). This limitation is stated in the permit here with "includes compliance" stated next to 31-05, however the recent changes to OAC rule 3745-17-11 will eliminate the applicability of this rule to the spray painting operation, and require only compliance with the BAT determination. It should be made clear that 0.551 was included in the BAT determination under 31-05 and this limitation as well as the "clean" T&amp;Cs will not be eliminated should 3745-17-11(C) become effective. OR,M,R,Rp,ET - per OEPA library terms</p>
	0.551 pounds PE per hour	17-11 (C)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - this surface coating process permit-to-install was issued after January 1, 1990 therefore under the authority of OAC rule 3745-17-11(C)(3) the permittee will comply with 17-11(C) thru compliance with the existing best available technology determination (and BACT) instead of complying thru paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11; operational restrictions, monitoring, record keeping, and reporting requirements. OR,M,R,Rp,ET - per OEPA library terms</p>
	4.8#VOC/gallon of coating, excluding water and exempt solvents.	21-09 (C)(1)(d)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	<p>Basis - established as LEAR by the non-attainment new source review determination of OAC 3745-31-21 thru 27 of PTI 04-01359. M,R,Rp - as required by OAC rule 3745-21-09(C)(1)(d) with OEPA standard library terms and conditions. ET - not required; no control utilized.</p>



	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to touch-up
	General	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.072 kilogram HAPs per liter (0.60 pound per gallon) of coating solids deposited during each month	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
	None	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	40 CFR 64.2 - CAM does not apply. The uncontrolled potential emissions are less than 100 tpy.
K402 & K403 Automotive off-line repair (low temperature bake) Spoven (combination spray booth and gas fired oven) w/ dry filtration	automotive off-line repair booth with dry filtration (spoven) 2.4 tpy PE, 1.85 tpy PM10, 12#/hr VOC, 14 tpy VOC, 5% opacity as a 6-minute average stack, 98% particulate control, and no visible emissions of fugitive dust	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - the BAT determination of OAC rule 3745-31-05(A)(3) established in PTI 04-01359 as last modified on 11/29/07. Low bake repair (K001 thru K007) consists of off-line manual spray painting of vehicles blemished during the assembly process. These processes may be carried out in the open. In general the operations of K402 and K403 are minimal in emissions with surface preparation done in the open and spray painting performed in a combination spray booth/oven (i.e., "SPOVEN"). Particulate is controlled by fabric filtration and VOC is uncontrolled. MR&Rp are per standard library terms for a clean source (PE) with canned language added for 21-09. ET - per engineering guide 16, no testing is required at these emissions levels.



98% particulate control, 1.6#/hr PM10, and K401 thru K407 1.85 ton PM10 per rolling, 12-month period.	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD determination of OAC 3745-31-10 thru 20 of PTI 04-01359 M,R,Rp - as required by OEPA standard library terms and conditions for a clean operation. ET - not required. The company maintains that particulate control is essential to the operation of the equipment.
K401 thru K407 16.5 ton VOC per rolling, 12-month period.	31-21 thru 27	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the non-attainment new source review determination of OAC 3745-31-21 thru 27 of PTI 04-01359, and established superficially as equivalent to the VOC restriction of OAC rule 3745-21-09(U)(1)(i) M,R,Rp - as required by OAC rule 3745-21-09 with OEPA standard library terms and conditions and coating usage tracking. ET - not required; no control utilized.
None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average from the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
0.551 pounds PE per hour	17-11 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of PTI 04-1359 established a limitation equivalent to 17-11(B)(1). This limitation is stated in the permit here with "includes compliance" stated next to 31-05, however the recent changes to OAC rule 3745-17-11 will eliminate the applicability of this rule to the spray painting operation, and require only compliance with the BAT determination. Since 0.551 was included in the BAT determination under 31-05 and this limitation as well as the "clean" T&Cs will not be eliminated should 3745-17-11(C) become effective. OR,M,R,Rp,ET - per OEPA library terms



0.551 pounds PE per hour	17-11 (C)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - this surface coating process permit-to-install was issued after January 1, 1990 therefore under the authority of OAC rule 3745-17-11(C)(3) the permittee will comply with 17-11(C) thru compliance with the existing best available technology determination (and BACT) instead of complying thru paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11; operational restrictions, monitoring, record keeping, and reporting requirements. OR,M,R,Rp,ET - per OEPA library terms
4.8#VOC/gallon of coating, excluding water and exempt solvents.	21-09 (C)(1)(d)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established as LEAR by the non-attainment new source review determination of OAC 3745-31-21 thru 27 of PTI 04-01359. M,R,Rp - as required by OAC rule 3745-21-09(C)(1)(d) with OEPA standard library terms and conditions. ET - not required; no control utilized.
None	N	N	Y	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to touch-up
General	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
0.072 kilogram HAPs per liter (0.60 pound per gallon) of coating solids deposited during each month	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
indirect fired natural gas oven with low NOx burner														
0.083#CO/mmBtu 0.42# CO/hr, 1.9 tpy CO, 0.43#NOx/hr, 1.9 tpy NOx, 0.0019#PE/mmBtu,	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI 04-01359 last modified 11/29/07. Established by AP-42 emissions factors or company supplied data. M,R,Rp,ET - requires the exclusive



	0.01#/hr PE, 0.05 tpy PE, 0.04#/hr PM10, 0.17 tpy PM10, 0.0006#/mmBtu SO2, 0.01#/hr SO2, 0.05 tpy SO2, 0.03 #/hr VOC, 0.12 tpy VOC, and 5% opacity as a 6 minute average														combustion of natural gas in this emissions unit.
	for B402 & K402 - K405: 11.56 tpy CO, 0.52 tpy PE, and 9.01 tpy SO2	31-05(C)	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the new source review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. M,R,Rp - as required for fuel throughput restrictions with OEPA standard library terms and conditions. ET - not required; AP-42 utilized.
	0.085#/mmBtu NOx, 0.0075#PM10/mmBtu for B402 & K402 - K405: 12.44 tpy NOx, & 1.41 tpy PM10	31-10 thru 20	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	(Basis - established by the PSD review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. M,R,Rp - as required for fuel throughput restrictions with OEPA standard library terms and conditions. ET - not required; AP-42 utilized.
	0.085#/mmBtu NOx, 0.0054#/mmBtu VOC for B402 & K402 - K405: 12.44 tpy NOx, & 0.74 tpy VOC	31-21 thru 27	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the non- attainment new source review determination of PTI 04-01359 for Federal enforceability the facility- wide PTE. M,R,Rp - as required for fuel throughput restrictions with OEPA standard library terms and conditions. ET - not required; AP-42 utilized.



None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average from the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
None	17-10 (B)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - 0.020#PE/mmBtu is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
None	18-06(A)	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - exclusion from the SO2 requirements of OAC rule 3745-18.
None	21-07(B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - established as requiring compliance with the BAT requirements for VOC, this applicable rule has been removed from the State revised SIP and will no longer be referenced after USEPA approves the SIP revision.
General	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
Stayed	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart DDDDD, which became applicable to the facility on September 13, 2007, however applicability is currently stayed. OR,M,R,Rp - to be determined.
sanding station(s)															
2.4 tons of PE per year, 1.85 tons of PM10 per year, 5% opacity as a 6 minute average, & 98% overall control efficiency	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI 04-01359 last modified 11/29/07. Established by company supplied data. M,R,Rp,ET - requires the use of adequate enclosure and dust control by fabric filtration.
0.65#/hr PM10, K401 thru K407: 1.85 tpy PM10.	31-10 thru 20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Basis - established by the PSD review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. M,R,Rp - requires the use of adequate enclosure and dust control by fabric filtration. ET - not required per EG#16.



	None	17-07 (A)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a six-minute average from the stack is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
	None	17-07 (B)(1)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - 20% opacity as a three-minute average fugitive is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
	None	17-08(B), (B)(3)	N	Y	N	N	N	N	N	N	N	N	N	N	Basis - repairs are made in open areas with light sanding, etc, which effectively makes this a fugitive source with stack emissions as outlined in EG#75. RACM is less restrictive than the BAT limitations of OAC rule 3745-31-05(A)(3) in PTI 04-01359.
	0.551 pounds PE per hour	17-11 (B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of PTI 04-1359 established a limitation equivalent to 17-11(B)(1). OR,M,R,Rp,ET - per OEPA library terms for a clean source
K407	2.4 tpy PE from the stack, 1.85 tpy PM10, 0.40#/hr & 0.5 tpy VOC, 5% opacity from any stack, no VE from enclosure	Y	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI 04-01359 last modified 11/29/07. Established by company supplied data and SIP applicability. M,R,Rp,ET - requires the use of adequate enclosure and dust control by fabric filtration with daily VEs.
	1.6#/hr PM10, 98% overall control & 1.85 tons of PM10 per rolling 12-month period combined K401 through K407	31-10 thru 31-20	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD review determination of PTI 04-01359 includes Federal enforceability for the facility-wide PTE. M,R,Rp - requires the use of adequate enclosure and dust control by fabric filtration. Combined PM10 limitation based upon the worst case operating scenario (200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number



															0448011731) and a company supplied emissions factor (0.0185 pound of PM10 per job). ET - not required per EG#16.
16.5 tons of VOC per rolling 12-month period combined K401 through K407	31-21 thru 31-27	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N		Basis - established by the non-attainment new source review determination of PTI 04-01359 for Federal enforceability of the facility-wide PTE. M,R,Rp - This emissions limitation was based on a company supplied emissions factor of 0.165 pound of VOC per production job and a maximum production rate of 200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number 0448011731. ET - not required
0.551#/hr PE from the stack	17-11(B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI 04-01359 last modified 11/29/07. M,R,Rp - requires the use of adequate enclosure and dust control by fabric filtration. ET - not required per EG#16.
control requirements	17-11(C)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - this surface coating process permit-to-install was issued after January 1, 1990 therefore under the authority of OAC rule 3745-17-11(C)(3) the permittee will comply with 17-11(C) thru compliance with the existing best available technology determination (and BACT) instead of complying thru paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11; operational restrictions, monitoring, record keeping, and reporting requirements. OR,M,R,Rp,ET - per OEPA library terms
4.8 #/gal VOC	21-09 (C)(1)(d)	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N		Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI



															04-01359 last modified 11/29/07. M,R,Rp - per OEPA library terms
	0.60#/gacs HAP	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - 40 CFR Part 60 Subparts A& III, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	20%opacity as a 6-minute average	17-07(A)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	ND - less restrictive than the BAT determination of OAC rule 3745-31-05.
	20%opacity as a 3-minute average	17-07(B)(1)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	ND - less restrictive than the BAT determination of OAC rule 3745-31-05.
	RACT	17-08(B), (B)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	ND - less restrictive than the BAT determination of OAC rule 3745-31-05.
K409, Windshield Fluid Fill	compliance with BACT	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis - the BAT determination of OAC rule 3745-31-05(A)(3) from PTI 04-01359 last modified 11/29/07. Established as equivalent to the non-attainment NSR limitations.
	0.33#/hr & 0.4 tpy VOC	31-21 thru 27	N	N	Y	N	N	N	N	N	N	N	N	N	Basis - established by the non-attainment new source review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. This source could qualify for a de minimis exemption under OAC rule 3745-15-05. M,R,Rp - These limitations were established based on a company provided worst case emissions evaluation, therefore these numbers represent full potential to emit and M,R,Rp is not required for enforceability. ET - not required; but may be reviewed if appropriate.
	None	21-07 (G)(2)	N	N	N	N	N	N	N	N	N	N	N	N	Basis - OAC rule 3745-21-07(G)(2) is not applicable in accordance with the Ohio Supreme Court decision in the case of Ashland Chemical. This exemption required the exclusive use of non-photochemically reactive materials.

P003 The P003 emission unit was associated with the old Stickney facility that no longer exists. At the period of the initial draft P003 existed in our records as



sealer and adhesive application with no controls	the permit associated with silencer adhesive, windshield sealer and door adhesive applications. No other permit specifically addressed the silencer adhesive, windshield sealer and door adhesive operations which are located in Toledo Supplier Park Final Assembly building. Our review indicated that P008 could be interpreted to include these emissions: however it lacked the proper reference to OAC rule 374521-09(U)(1)(g). This applicable regulation has been added to the permit through the PTI modification of P0108040 and the references to P003 have been removed from this permit. Chrysler was required to update the facility profile through the eBusiness Center to remove P003 from the list of active emissions units.														
P007 non-production maintenance materials, spray booth cleaning and purge	operating practices	N	Y	N	Y	N	N	N	N	N	N	N	N	N	Basis - equivalent to the BACT determination of PTI 04-1102 for the facility wide use of solvents for spray booth cleaning and spray equipment cleaning operations associated with emissions units K021, K022, K023, K024, K025, K026, K027, K028 and K029. The emissions are combined into this single permit source to simplify recordkeeping requirements. OR - operating practices to be confirmed by routine facility inspection. No separate M,R,RP required.
	514.18 tpy VOC	31-10 thru 20	N	N	N	Y	N	N	Y	N	Y	N	Y	N	Basis - established by the netting limitations of in PTI 04-1102 as last modified September 8, 2005. M,R,Rp - represents EPA library terms for short term throughput and #/gal recordkeeping. ET - compliance is demonstrated through M R & Rp for the throughput restrictions.
	none	21-07(G)(1), (2) and (3).	N	N	N	N	N	N	N	N	N	N	N	N	Rp - As these emissions are related to an OAC 3745-21-09 source, they are exempt from OAC 3745-21-07 limitations, however a requirement for reporting photochemically reactive material usage appeared in the last PTI modification and is therefore a legal requirement of the permit. OEPA guidance says that all references to photochemically reactive materials expired from the permit requirements, after the SIP approval.
	None	21-	N	N	N	N	N	N	N	N	N	N	N	N	Clean-up materials are not included





																in PTI 04-1102 M,R,Rp - in compliance with OEPA library terms and conditions adjusted where necessary. ET - compliance is demonstrated through M R & Rp. Note: This permit is written to require the averaged VOC content calculations. Nothing would prevent the approval exclusive utilization of compliance coatings as a alternate compliance strategy.
55.06 tons of VOC per rolling 12 month period.	31-05(D)	N	N	N	Y	N	N	Y	Y	Y	N	Y	N			Basis - established by the volunteered limitations of OAC rule 3745-31-05(D) in PTI 04-1102 as last modified September 8, 2005. M,R,Rp - in compliance with OEPA library terms and conditions adjusted where necessary. ET - compliance is demonstrated through M R & Rp.
none	21-07 (G)(9)(f)	N	N	N	Y	N	N	N	N	N	N	N	N			Basis: An exemption from the requirements of 21-07 for non-photochemically reactive materials. This requirement was removed State SIP was approved by USEPA.
3.5 pound VOC per gallon	21-09 (U)(1)(d)	N	N	N	Y	N	N	Y	Y	Y	N	Y	N			Basis - by the requirements of 21-09(U)(3), 3.5 pounds of VOC per gallon of (U)(1)(d) is applicable. This limitation applies only to materials applied to metallic surfaces, and is nominally less stringent than the requirements for BAT, however since BAT applies to both metallic and non-metallic surfaces as a monthly average, compliance by BAT does not necessarily assure compliance with the SIP daily averaged limitation. The permittee has volunteered the exclusive usage of compliance coatings for all surfaces. M,R,Rp,ET - adequate to demonstrate compliance. Note: This permit is written to





	the average HAP emissions from all adhesive and sealer materials other than materials used as components of glass bonding systems shall not exceed 0.010 kg/kg (lb/lb) during each month.	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 63 Subpart IIII, 63.3091(c) which became applicable to the facility on April 26, 2007 applies to sealers and adhesives as coatings.
P009 Miscellaneous solvents, solvent body wipes, TNAP	operating restrictions	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-1102 as last modified September 8, 2005. M,R,Rp,ET - None required. Compliance to be demonstrated through required on-site inspections.
	52.28 tons of VOC per rolling 12 month period.	31-05(D)	N	N	N	Y	Y	N	Y	Y	Y	N	N	N	N	Basis - established by the netting limitations of OAC rule 3745-31-05(D) in PTI 04-1102 as last modified September 8, 2005. M,R,Rp - in compliance with OEPA library terms and conditions adjusted where necessary. ET - compliance is demonstrated through M R & Rp.
	None	21-09 (U)(1)(c)	N	N	N	N	N	N	N	N	N	N	N	N	N	Basis - does not apply to solvents.
	None	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND - 40 CFR Part 60 Subpart MM does not apply to cleaning solvents (thinning solvents are counted as part of the coating).
	general requirements	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - the general requirements of 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	operating practices	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007. This MACT includes requirements for cleaning solvents. (All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or



																mixed and All manual and automated equipment and containers used for conveying coatings, thinners, and cleaning materials) OR,M,R,Rp - see B.2 of the permit requirements.
P011 body in white (BIW) inspection and grinding, building enclosure control	best available control measure	N	Y	N	N	Y	Y	N	Y	Y	Y	N	Y	N		Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-1102 as last modified September 8, 2005. Equal to, or more restrictive than, OAC rule 3745-17-08 (B), (B)(3).Body in white (BIW) refers to the uncoated steel vehicle body. After assembly the BIW is coated in the hi-light booth with a solvent based dye (included in P010) and defects are repaired by grinding and/or sanding. M,R,Rp - represents full potential to emit at the short term emissions level. ET - compliance is demonstrated as PTE at 0.48#/hr
	0.48 pound PM10 per hour, 2.1 tons PM10 per rolling, 12-month period,	31-10 through 20	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N		Basis - established by the netting limitations of OAC rule 3745-31-05(D) in PTI 04-1102 as last modified September 8, 2005. M,R,Rp - compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions). ET - never tested, but based on the small amounts of PE expected, we see no cause for testing unless VE readings indicate otherwise.
	20 percent opacity for 3 minutes	17-07 (B)(1)	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N		M,R,RP - in compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions).
	utilize adequate enclosure to contain,	17-08 (B),(B)(3)	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N		Basis - the company maintains that grinding as done generates only low



	capture and control the fugitive dust																volumes of dust, most of which settles rapidly due to coarse size and adequate density. M.R,RP - in compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions). ET - never tested, but based on the small amounts of PE expected, we see no cause for testing unless VE readings indicate otherwise.
P012 Finish welding	best available control measures	N	Y	N	N	Y	Y	N	Y	Y	Y	N	Y	N			Basis - established by the BAT determination of OAC rule 3745-31-05(A)(3) in PTI 04-1102 as last modified September 8, 2005. Equal to, or more restrictive than, OAC rule 3745-17-08 (B), (B)(3). The body shop assembles the basic uncoated steel vehicle body utilizing robotic-resistance welders. Wire welding is utilized in select areas and for repair purposes. The particulate emissions from are uncontrolled except by full building enclosure. M,R,Rp - OEPA library terms and conditions for 17-08(B)
	0.56 pound PM10 per hour, 2.4 tons PM10 per rolling, 12-month period	31-10 through 20	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N			Basis - established by the netting limitations of OAC rule 3745-31-05(D) in PTI 04-1102 as last modified September 8, 2005. M.R,RP - represents full potential to emit at the short term emissions level, In compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions). ET - never tested, but based on the small amounts of PE expected, we see no cause for testing unless VE readings indicate otherwise.



	20 percent opacity for 3 minutes	17-07 (B)(1)	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N	M.R,RP - in compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions).
	utilize adequate enclosure to contain, capture and control the fugitive dust	17-08 (B),(B)(3)	N	N	N	Y	Y	N	Y	Y	Y	N	Y	N	Basis - the company maintains that the welding as done generates only low volumes of dust. M.R,RP - in compliance with OEPA library terms and conditions for 17-08(B) adjusted where necessary (no stack emissions). ET - never tested, but based on the small amounts of PE expected, we see no cause for testing unless VE readings indicate otherwise.
P401, Window Installation	best available control measures & 8.2 # VOC/hr	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the BAT review determination of PTI 04-01359 last modified 5/3/07. OR,M,R,Rp - library terms and conditions. Requires the use of low VOC materials. ET - not required per EG#16. Not controlled.
	0.4#VOC/gal, 10.0 tpy VOC	31-21 thru 27	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	Basis - established by the PSD review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. OR,M,R,Rp - requires the use of low VOC materials, library terms and conditions. ET - not required per EG#16. Not controlled.
	none	21-07 (G)(2)	N	N	N	N	N	N	N	N	N	N	N	N	Basis – 21-07 removed from the SIP
	4.9#VOC/gal	21-09 (U)(1)(g)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - library terms and conditions. Requires the use of low VOC materials. ET - not required per EG#16. Not controlled.
	3.0#VOC/gal	21-09 (U)(1)(i)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	OR,M,R,Rp - library terms and conditions. Requires the use of low VOC materials. ET - not required per EG#16. Not



																controlled.
	General requirements	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.60#HAP/gal	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 OR,M,R,Rp - see B.2 of the permit requirements.
P402, Miscellaneous Solvents	best available control measures	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - established by the BACT review determination of PTI 04-01359 last modified 5/3/07. OR,M,R,Rp - library terms and conditions. ET - not required per EG#16. Not controlled.
	7.0 tpy VOC	31-21 thru 27	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - established by the PSD review determination of PTI 04-01359 for Federal enforceability the facility-wide PTE. OR,M,R,Rp - library terms and conditions. ET - not required per EG#16. Not controlled.
	None	21-07 (G)(2)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N		Basis - 21-07 removed from the SIP
	General requirements	N	Y	N	N	N	N	N	N	N	N	N	N	N		Basis - 40 CFR Part 63 Subpart A, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).
	0.60#HAP/gal	N	Y	N	N	N	N	N	N	N	N	N	N	N		Basis - 40 CFR Part 60 Subpart IIII, which became applicable to the facility on April 26, 2007 (see B.2 of the permit).





**DRAFT**

**Division of Air Pollution Control  
Title V Permit  
for  
Chrysler Group LLC - Toledo North Assembly**

Facility ID:	0448010414
Permit Number:	P0088135
Permit Type:	Renewal
Issued:	2/17/2012
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance





Division of Air Pollution Control
Title V Permit
for
Chrysler Group LLC - Toledo North Assembly

Table of Contents

Authorization ..... 1
A. Standard Terms and Conditions ..... 2
1. Federally Enforceable Standard Terms and Conditions ..... 3
2. Monitoring and Related Record Keeping and Reporting Requirements..... 3
3. Scheduled Maintenance..... 6
4. Risk Management Plans ..... 6
5. Title IV Provisions ..... 7
6. Severability Clause ..... 7
7. General Requirements ..... 7
8. Fees..... 8
9. Marketable Permit Programs..... 8
10. Reasonably Anticipated Operating Scenarios ..... 8
11. Reopening for Cause ..... 9
12. Federal and State Enforceability ..... 9
13. Compliance Requirements ..... 9
14. Permit Shield ..... 11
15. Operational Flexibility..... 11
16. Emergencies..... 11
17. Off-Permit Changes ..... 11
18. Compliance Method Requirements ..... 12
19. Insignificant Activities or Emissions Levels..... 12
20. Permit to Install Requirement ..... 13
21. Air Pollution Nuisance ..... 13
22. Permanent Shutdown of an Emissions Unit ..... 13
23. Title VI Provisions ..... 13
24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only ..... 14
25. Inspections and Information Requests ..... 14
26. Scheduled Maintenance/Malfunction Reporting ..... 15
27. Permit Transfers ..... 15
28. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations ..... 15



- B. Facility-Wide Terms and Conditions..... 16
- C. Emissions Unit Terms and Conditions ..... 28
  - 1. B029, ASH F..... 29
  - 2. B030, ASH G ..... 34
  - 3. B402, B402 - Up to 45 natural gas air supply make up units ..... 39
  - 4. F001, Plant Roadways and Parking Lots..... 50
  - 5. F401, F-401 - Paved Roads and Parking Areas ..... 56
  - 6. G002, Gasoline Dispensing..... 61
  - 7. G003, Gasoline Fill Stations..... 69
  - 8. G401, G401 Gasoline Dispensing ..... 77
  - 9. K021, E-Coat ..... 83
  - 10. K022, Powder Anti-chip..... 100
  - 11. K023, Topcoat..... 113
  - 12. K024, Low bake repair with Spovens ..... 132
  - 13. K027, Blackout..... 142
  - 14. K029, Interior touch-up..... 151
  - 15. K401, OffLine Repair Booth ..... 160
  - 16. K407, Clean Shop Repair ..... 170
  - 17. K409, K409 Windshield Fluid Fill..... 179
  - 18. P007, Non-Production maint.material spraybth cleaning & purge..... 182
  - 19. P008, Sealers and Adhesives ..... 186
  - 20. P009, Misc. Solvents and Cleaners Application ..... 193
  - 21. P010, Plant-Wide Misc. Solvents and Cleaners Application ..... 197
  - 22. P011, BIW Inspection and Grinding ..... 201
  - 23. P012, Finish welding..... 205
  - 24. P401, P401 - Window Installation..... 209
  - 25. P402, P402 - Miscellaneous Solvents ..... 217
  - 26. Emissions Unit Group -10.52 mmBtu/hr NG heaters: B020,B022,..... 221
  - 27. Emissions Unit Group -12.02 mmBtu/hr dir fired NG heat: B011,B014,B016,B017,B019,B028,B031,227
  - 28. Emissions Unit Group -13.53 MMBtu/hr NG heaters: B018,B021,B026,B027, ..... 233
  - 29. Emissions Unit Group -15.03 mmBtu/hr dir fired NG heat: B012,B013,B015,B023,B024,B025, ..... 239
  - 30. Emissions Unit Group -32.66 mmBtu/hr NG boilers: B008,B009,B010, ..... 245
  - 31. Emissions Unit Group -Automotive off-line repair booth: K008,K009,K010, ..... 254
  - 32. Emissions Unit Group -Offline repair with spoven: K402,K403, ..... 262



## Authorization

Facility ID: 0448010414

Facility Description: Automotive and Light Duty Truck Assembly Plant.

Application Number(s): A0019280, A0019281, A0019282, A0019283, A0037324, A0038087

Permit Number: P0088135

Permit Description: Automotive and Light Duty Truck Assembly Plant.

Permit Type: Renewal

Issue Date: 2/17/2012

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

Superseded Permit Number: P0088134

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

Chrysler Group LLC - Toledo North Assembly  
4400 Chrysler Drive  
Toledo, OH 43608-4000

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

Toledo Department of Environmental Services  
348 South Erie Street  
Toledo, OH 43604  
(419)936-3015

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 Toledo Department of Environmental Services. 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 Toledo Department of Environmental Services.

*(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.

- (1) 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: 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 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 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 Requirements Under State Law Only**

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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.)**Records Retention Requirements Under State Law Only** Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

**25. 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))*



**26. 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).

**27. 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))*

**28. 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 insignificant emission units at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emission unit. The insignificant emission 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 and 3745-21.
  - a) None.
3. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:
  - a) B003 - Hastings heater #1 (4.5 mmBtu per hour natural gas fired)
  - b) B004 - Hastings heater #2 (4.5 mmBtu per hour natural gas fired)
  - c) B005 - Hastings heater #3 (4.5 mmBtu per hour natural gas fired)
  - d) B006 - Hastings heater #4 (4.5 mmBtu per hour natural gas fired)
  - e) B007 - Hastings heater #5 (4.5 mmBtu per hour natural gas fired)
  - f) T001 - 10,000 gal. windshield washer fluid storage tank
  - g) Z001 - Plant-wide various fluid storage tanks (refrigerant, engine oil, antifreeze, brake, and transmission); Toledo Supplier Park Final Assembly building
  - h) Z003 - Plant-wide misc. fluid fill operations (oil, brake, transmission, antifreeze, power steering, air conditioner, windshield washer); Toledo Supplier Park Final Assembly building
  - i) Z004 - Plant-wide water test booths and car wash booth; Toledo Supplier Park Final Assembly building
  - j) Z006 - Plant-wide heaters 4 mmBtu > 10mmBtu per hour; Toledo Supplier Park Final Assembly building
  - k) Z007 - Plant-wide Safety Kleen part washers and spraygun cleaners
  - l) Z011 - Direct fired gas makeup heaters <10 mmBtu per hour each, totaling 247 mmBtu per hour, TNAP
4. The following emissions units contained in this permit are subject to the applicable requirements of 40 CFR Part 63, Subparts A and IIII: K008, K009, K010, K021, K022, K023, K024, K027, K029, K401, K402, K403, K407, P007, P008, P009, P401, and P402. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal



Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(A)(1)]

5. Surface Coating of Automobiles and Light-Duty Trucks (Auto) MACT - 40 CFR Subpart IIII

a) Emission Unit Description

- (1) Each new or existing affected source as defined in 40 CFR 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts, and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c). This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

[Authority for term: 40 CFR 63.3081(b)]

b) Emission, Operating, Design Requirements

- (1) If the permittee chooses to demonstrate compliance with 40 CFR Part 63, Subpart IIII by including K021 (E-Coat) as part of the affected source, then organic HAP emissions from electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 63.3082(c) shall not exceed 0.60 pound per gallon of applied coating solids (GACS).

[Authority for term: 40 CFR 63.3091(a)]

- (2) As an alternative to the emission limit specified by 63.3091(a) (K021 – E-Coat is not included as part of the affected source), organic HAP emissions from the affected source shall not exceed 1.10 pounds per GACS.

[Authority for term: 40 CFR 63.3091(b)]

- (3) If the permittee chooses to demonstrate compliance with 40 CFR 63, Subpart IIII by the emission limit specified by 63.3091(b), K021 (E-Coat) must meet either of the following requirements:

- a. Each individual material added to K021 (E-Coat) contains no more than 1.0 percent by weight of any organic HAP and no more than 0.10 percent by weight of any OSHA-defined carcinogenic organic HAP; or,
- b. The emissions from all K021 (E-Coat) bake ovens shall be captured and ducted to the oven thermal oxidizer which achieves a minimum destruction efficiency of at least 95 percent (by weight).

[Authority for term: 40 CFR 63.3092]

- (4) Organic HAP emissions from sealer and adhesive materials that are not part of glass bonding operations shall not exceed 0.010 pound per pound of material used during each month.

[Authority for term: 40 CFR 63.3091(c)]

- (5) Organic HAP emissions from sound deadener materials shall not exceed 0.010 pound per pound of material used during each month.

[Authority for term: 40 CFR 63.3091(d)]

- (6) The permittee shall develop and implement a work practice plan to minimize the organic HAP emissions from the storage, mixing and conveying of coatings, thinners, and cleaning materials used in, and waste materials generated by all coating operations for which an emission limit has been established under 40 CFR Part 63, Subpart IIII. The work practice plan must specify practices and procedures to ensure that, at a minimum, the following elements are implemented consistent with the requirements of 40 CFR 63.3094:

The permittee shall comply with the applicable work practice plans at all times.

- a. All organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be stored in closed containers;
- b. The risk of spills of organic-HAP containing coatings, thinners, cleaning materials, and waste materials must be minimized;
- c. Organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes;
- d. Mixing vessels, other than day tanks equipped with continuous agitation systems, which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents;
- e. Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment; and
- f. Organic HAP emissions from cleaning and from purging of equipment associated with all coating operations subject to emission limits in 40 CFR Part 63, Subpart IIII must be minimized by addressing:
  - i. Vehicle body wipe pursuant to 40 CFR 63.3094(c)(1)(i);
  - ii. Coating line purging pursuant to 40 CFR 63.3094(c)(1)(ii);
  - iii. Coating system flushing pursuant to 40 CFR 63.3094(c)(1)(iii);
  - iv. Cleaning of spray booth grates pursuant to 40 CFR 63.3094(c)(1)(iv);
  - v. Cleaning of spray booth walls pursuant to 40 CFR 63.3094(c)(1)(v);

- vi. Cleaning of spray booth equipment pursuant to 40 CFR 63.3094(c)(1)(vi);
- vii. Cleaning of external spray booth areas pursuant to 40 CFR 63.3094(c)(1)(vii);
- viii. Additional housekeeping measures pursuant to 40 CFR 63.3094(c)(1)(viii).

The permittee may choose to comply with an alternative to the work practice standard, after receiving prior approval from the USEPA in accordance with 40 CFR 63.6(g).

The work practice plan is not required to become part of the facility's Renewable Operating Permit. Revisions to the work practice plan likewise do not represent revisions to the facility's Renewable Operating Permit. Copies of the current work practice plan and any earlier plan developed within the past 5 years are required to be made available for inspection and copying by the Toledo Division of Environmental Services, or a representative of the Ohio EPA, upon request.

[Authority for term: 40 CFR 63.3100(c), 40 CFR 63.4493(b), (c) and 40 CFR 63.3094]

- (7) For any coating operation(s) for which HAP emission reductions due to the use of add-on control equipment are relied upon to demonstrate compliance with the emission limits in 40 CFR Part 63, Subpart IIII, the permittee shall meet the operating limits specified in Table 1 of 40 CFR Part 63, Subpart IIII as identified below. The operating limits in Table 1 apply to the emission capture and add-on control systems on the coating operations. The permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.3167. The operating limits shall be met at all times after they are established, except for periods of startup, shutdown and malfunction.
  - a. Add-On Control Device: Thermal Oxidizer.
  - b. Operating Limit: The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).

[Authority for term: 40 CFR 63.3093, 40 CFR 63.3100(b), (d) and Table 1 of 40 CFR Part 63, Subpart IIII]

- (8) The permittee shall operate and maintain any affected source, including all air pollution control and monitoring equipment used for purposes of compliance with any of the emission limits in 40 CFR Part 63, Subpart IIII, according to the provisions in 40 CFR 63.6(e)(1)(i).

[Authority for term: 40 CFR 63.3100(d)]

- (9) The permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) in accordance with 40 CFR 63.6(e)(3). This plan must address the startup, shutdown and corrective actions in the event of a malfunction of any process, emission capture system, add-on control device and monitoring equipment utilized to comply with any of the emission limits in 40 CFR Part 63, Subpart IIII. The SSMP shall also address

any coating operation equipment that may cause increased emissions or that would affect capture efficiency if the process equipment malfunctions, such as conveyors that move parts among enclosures.

[Authority for term: 40 CFR 63.3100(f)]

c) Monitoring/Recordkeeping Requirements

- (1) For each coating used for electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations and for each coating, except for deadener and for adhesive and sealer that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to §63.3082(c), a record of the volume used in each month, the mass fraction organic HAP content, the density, and the volume fraction of solids.

[Authority for term: 40 CFR 63.3130(c)(1)]

- (2) For each thinner used for electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations and for each thinner, except for thinner used for deadener and for adhesive and sealer that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to §63.3082(c), a record of the volume used in each month, the mass fraction organic HAP content, and the density.

[Authority for term: 40 CFR 63.3130(c)(2)]

- (3) For each deadener material and for each adhesive and sealer material, a record of the mass used in each month and the mass organic HAP content.

[Authority for term: 40 CFR 63.3130(c)(3)]

- (4) A record of the calculation of the organic HAP emission rate for electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to §63.3082(c) for each month if subject to the emission limit of §63.3090(a) or §63.3091(a). This record must include all raw data, algorithms, and intermediate calculations.

[Authority for term: 40 CFR 63.3130(c)(4)]

- (5) A record of the calculation of the organic HAP emission rate for primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to §63.3082(c) for each month if subject to the emission limit of §63.3090(b) or §63.3091(b), and a record of the weight fraction of each organic HAP in each material added to the electrodeposition primer system if subject to the limitations of §63.3092(a). This record must include all raw data, algorithms, and intermediate calculations.

[Authority for term: 40 CFR 63.3130(c)(5)]

- (6) a record, for each month, of the calculation of the average monthly mass organic HAP content of sealers and adhesives, and deadeners.

[Authority for term: 40 CFR 63.3130(c)(6)]

- (7) The permittee shall maintain a log detailing the operation and maintenance of any emission capture system, add-on control device, and continuous parameter monitoring system utilized to comply with any of the emission limits in 40 CFR Part 63, Subpart IIII. The log shall cover the period between the compliance date specified in 40 CFR 63.3083 and the date when the initial emission capture system and add-on control device performance tests have been completed, as specified in 40 CFR 63.3160.

[Authority for term: 40 CFR 63.3100(e)]

- (8) The permittee shall install, operate and maintain each applicable continuous parametric monitoring system required by 40 CFR Part 63, Subpart IIII in accordance with the applicable provisions of 40 CFR 63.3168.

[Authority for term: 40 CFR 63.3168]

- (9) The permittee shall demonstrate continuous compliance with the operating limits specified in Table 1 to Subpart IIII of Part 63 for any emission capture system and add-on control device utilized to comply with any of the emission limits in 40 CFR Part 63, Subpart IIII, pursuant to 40 CFR 63.3163 and 40 CFR 63.3173 using the method(s) described below:

- a. Add-On Control Device: Thermal Oxidizer

Operating Limit: The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).

- b. Continuous Compliance Demonstration Method:

i. Collect the combustion temperature data according to 40 CFR 63.3168(c);

ii. Reduce the data to 3-hour block averages; and

iii. Maintain the 3-hour average combustion temperature at or above temperature limit.

- c. If an operating parameter is out of the allowed range specified in Table 1, this is a deviation from the operating limit that must be reported as specified in 40 CFR 63.3110(c)(6) and 63.3120(a)(6).

- d. If an operating parameter deviates from the operating limit specified in Table 1, the permittee must assume that the emission capture system and add-on control

device were achieving zero efficiency during the time period of the deviation except as provided in 40 CFR 63.3161(p).

[Authority for term: 40 CFR 63.3163, 40 CFR 63.3173, and Table 1]

- (10) Permittee shall monitor or secure the valve or closure mechanism controlling each bypass line for each capture system upon which compliance with any of the emission limits in 40 CFR Part 63, Subpart IIII depends, in a non-bypass mode such that the valve or closure mechanism cannot be opened without creating a record that it was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the following:
- a. Flow control position indicator requirements pursuant to 40 CFR 63.3168(b)(1)(i);
  - b. Car-seal or lock-and-key valve closures requirements pursuant to 40 CFR 63.3168(b)(1)(ii);
  - c. Valve closure monitoring requirements pursuant to 40 CFR 63.3168(b)(1)(iii);
  - d. Automatic shutdown system requirements pursuant to 40 CFR 63.3168(b)(1)(iv); and
  - e. If any bypass line is opened, a description of why the line was opened and the length of time it remained open must be included in the semi-annual compliance reports.

[Authority for term: 40 CFR 63.3168(b)]

- (11) Records shall be maintained on file for a period of five years.

[Authority for term: 40 CFR 63.3091(a)-(k) and 40 CFR 63.3131]

- (12) The permittee shall keep all records as required by 40 CFR 63.3130 in the format and timeframes outlined in 40 CFR 63.3131.

[Authority for term: 40 CFR 63.3130 and 40 CFR 63.3131]

- (13) The permittee shall maintain, at a minimum, the following records as of the applicable compliance date:
- a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63, Subpart IIII and the documentation supporting each notification and report as specified in 40 CFR 63.3130(a);
  - b. A current copy of information provided by materials suppliers or manufactures, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP for each coating, thinner and cleaning material, the density for each coating and thinner, and the volume fraction of coating solids for each coating;

- c. Monthly records of the name, volume, mass fraction organic HAP content and density of each cleaning material used;
- d. Any additional records pertaining to deviations; startup, shutdown or malfunctions; emission capture systems; performance testing; capture and control efficiency determinations; transfer efficiency determinations; work practice plans; and design and operation of control and monitoring systems for any emission capture system and add-on control device utilized to comply with any of the emission limits in 40 CFR Part 63, Subpart IIII, pursuant to 40 CFR 63.3130(g) through (o); and
- e. Records pertaining to the design and operation of control and monitoring systems for any emission capture system and add-on control device utilized to comply with any of the emission limits in 40 CFR Part 63, Subpart IIII, must be maintained on-site for the life of the equipment in a location readily available to plant operators and inspectors.

[Authority for term: 40 CFR 63.3130(a)-(b), 40 CFR 63.3130(d)-(o)]

d) Reporting Requirements

- (1) The permittee shall submit all semiannual compliance reports as required by 40 CFR 63.3120(a). These reports shall be due March 15 for the reporting period July 1 to December 31 and September 15 for the reporting period January 1 to June 30.

[Authority for term: 40 CFR 63.3120(a)]

- (2) The permittee shall submit applicable notifications specified in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h), as specified in 40 CFR 63.3110.

[Authority for term: 40 CFR Part 63, Subparts A and IIII]

- (3) The permittee shall submit all performance test reports for emission capture systems and add-on control devices, and reports of transfer efficiency tests for any emission capture system or add-on control device utilized to comply with any of the emission limits in 40 CFR 63, Subpart IIII, as required by 40 CFR 63.3120(b).

[Authority for term: 40 CFR 63.3120(b)]

- (4) For any emission capture system and add-on control device utilized to comply with any of the emission limits in 40 CFR 63, Subpart IIII, for which a startup, shutdown, or malfunction occurs during the semiannual reporting period, the permittee shall submit a SSM report as specified in 40 CFR 63.3120(c).

[Authority for term: 40 CFR 63.3120(c) and 40 CFR 63.10(d)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Testing Requirements

- (1) The permittee shall determine the individual organic HAP content for each group of materials used according to the procedures established under 40 CFR 63.3151(a)(1) through (5). The permittee may use USEPA Method ALT-017 as an alternative for any material used, after demonstrating that its use as an alternative test methodology for that material, has been approved by the USEPA pursuant to the requirements of 40 CFR 63.3151(a)(3) and 40 CFR 63.7.

[Authority for term: 40 CFR 63.7 and 40 CFR 63.3151]

- (2) The permittee shall perform the applicable performance tests and compliance demonstrations in accordance with 40 CFR 63.3150-3152, 40 CFR 63.3160-3161, 40 CFR 63.3163-3168, 40 CFR 63.3170-3171, and 40 CFR 63.3173.

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

- (3) The permittee may rely upon the results of capture, destruction and transfer efficiency tests that have been previously conducted upon written approval from the Director. Any such previous tests must meet the criteria identified in 40 CFR 63.3160(c)(1) through (3).

[Authority for term: 40 CFR 63.3160]

6. The following emissions units contained in this permit are subject to the applicable requirements of 40 CFR Part 63, Subparts A and DDDDD: B008, B009, B010, K021, K022, K023, K402 & K403. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(A)(1)]

7. Organic Liquid Distribution (OLD) MACT, 40 CFR Part 63, Subpart EEEE

a) Emission Unit Description

- (1) No affected source at this facility currently has applicable Subpart EEEE requirements.

[Authority for term: Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) Except as provided in 40 CFR 63.2338(c), an OLD MACT affected source is the collection of activities and equipment used to distribute organic liquids into, out of, or within a facility that is a major source of HAP. The affected source is composed of:

(3)

- a. All storage tanks storing organic liquids.
- b. All transfer racks at which organic liquids are loaded into or unloaded out of transport vehicles and/or containers.

- c. All equipment leak components in organic liquids service that are associated with:
  - i. Storage tanks storing organic liquids;
  - ii. Transfer racks loading or unloading organic liquids;
  - iii. Pipelines that transfer organic liquids directly between two storage tanks that are subject to this subpart;
  - iv. Pipelines that transfer organic liquids directly between a storage tank subject to this subpart and a transfer rack subject to this subpart; and
  - v. Pipelines that transfer organic liquids directly between two transfer racks that are subject to this subpart.
- d. All transport vehicles while they are loading or unloading organic liquids at transfer racks subject to this subpart.
- e. All containers while they are loading or unloading organic liquids at transfer racks subject to this subpart.

[Authority for term: 40 CFR 63.2338]

b) Additional Requirements

- (1) The permittee must submit a subsequent Compliance Report if any of the following occurs:
  - a. The permittee changes the materials in an existing affected storage tank that has a capacity equal to or greater than 5,000 gallons in such a way that the annual average true vapor pressure of the total organic hazardous air pollutant is above 4.0 psia;
  - b. The permittee installs a new affected storage tank with a capacity equal to or greater than 5,000 gallons;
  - c. Any transfer rack (except those racks at which only unloading of organic liquids occurs) became part of the affected source; or
  - d. There are changes to the information reported pursuant to 63.2386(c)(1), 63.2386(c)(2), or 63.2386(c)(3).

[Authority for term: 40 CFR 63.2343(b)(2)(i), (d)]

- (2) Each subsequent Compliance Report shall be submitted with the next Title V semiannual report.

[Authority for term: 63.2386(e)]



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

[Authority for term: OAC rule 3745-77-07(C)(1)]

## C. Emissions Unit Terms and Conditions



1. B029, ASH F

Operations, Property and/or Equipment Description:

16.53 MMBtu/hr natural gas, direct-fired air makeup unit, TNAP

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.

Table with 3 columns: Label, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rule 3745-31-10 thru 20, and OAC rules 3745-17-07(A)(1), 3745-17-11(B)(1), and 3745-18-06(A).

(2) Additional Terms and Conditions

a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.

- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 thru 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

**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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

**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:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60,

Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(3).

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

1.45 tons of CO per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.02 pound of CO per mmBtu by the maximum heat input capacity of 16.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

7.24 tons of NOx per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NOx per mmBtu by the maximum heat input capacity of 16.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.38 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 16.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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

g) Miscellaneous Requirements

- (1) None.



2. B030, ASH G

Operations, Property and/or Equipment Description:

11.03 MMBtu/hr natural gas, direct-fired air space heater, TNAP

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.

Table with 3 columns: Label, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rule 3745-31-10 thru 20, and OAC rules 3745-17-07(A)(1), 3745-17-11(B)(1), and 3745-18-06(A).

(2) Additional Terms and Conditions

a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.

- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 thru 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60,

Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(3).

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

0.97 ton of CO per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.02 pound of CO per mmBtu by the maximum heat input capacity of 11.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

4.84 tons of NOx per year.



Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NOx per mmBtu by the maximum heat input capacity of 11.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.26 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 11.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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

g) Miscellaneous Requirements

- (1) None.



3. B402, B402 - Up to 45 natural gas air supply make up units

Operations, Property and/or Equipment Description:

Air Make-up Units (less than 10 mmBtu) with a total heat capacity of 95 mmBtu, Supplier Park

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3) (PTI 04-01359 modified 11/29/2007) and a list of emission limits for CO, NOx, PE, PM10, SO2, and VOC.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		see b)(2)a., b)(2)b. and b)(2)c.
b.	OAC rule 3745-31-05(D) (PTI 04-01359 modified 11/29/2007)	see b)(2)d.
c.	OAC rule 3745-31-10 thru 20 (PTI 04-01359 modified 11/29/2007)	the combined emissions from all emissions sources comprising this emissions unit shall not exceed: 0.085 pound of NOx per mmBtu; 0.0019 pound of PE per mmBtu; and 0.0075 pound of PM10 per mmBtu  see b)(2)a. and b)(2)e.
d.	OAC rules 3745-31-21 thru 27 (PTI 04-01359 modified 11/29/2007)	the combined emissions from all emissions sources comprising this emissions unit shall not exceed: 0.085 pound of NOx per mmBtu; and 0.0054 pound of VOC per mmBtu.  see b)(2)a. and b)(2)f.
e.	OAC rule 3745-17-07(A)(1)	see b)(2)g.
f.	OAC rule 3745-17-10(B)(1)	see b)(2)h.
g.	OAC rule 3745-18-06(A)	see b)(2)i.

(2) Additional Terms and Conditions

- a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- b. Visible particulate emissions from any stack serving this emissions unit shall not exceed 5% percent opacity as a six-minute average, except as provided by rule.
- c. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 through 27.
- d. The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed:
  - i. 11.56 tons of CO per rolling, 12-month period; and
  - ii. 9.01 tons of SO2 per rolling 12-month period.
- e. The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed:
  - i. 12.44 tons of NOx per rolling, 12-month period;

- ii. 0.52 ton of PE per rolling, 12-month period; and
- iii. 1.41 tons of PM10 per rolling 12-month period.
- f. The combined emission from the combustion of fuel oil and natural gas in B402, K402 and K403 shall not exceed:
  - i. 12.44 tons of NOx per rolling, 12-month period; and
  - ii. 0.74 ton of VOC per rolling 12-month period.
- g. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-10 thru 20.
- i. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

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

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 04-01359]

- (2) The maximum annual natural gas usage for B402, K402 and K403 shall not exceed 258 million standard cubic feet (mmscf) of natural gas, based upon a rolling, 12-month summation of the natural gas usage for all of the emissions units.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 04-01359]

## 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (2) The permittee shall properly operate, and maintain equipment to monitor the total quantity of natural gas (in cubic feet) burned in all emissions units located at the final assembly facility. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s) with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (3) The permittee shall maintain monthly records of the total quantity of natural gas (in mmscf) burned in emissions units B402, K402 and K403.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (4) The permittee shall maintain monthly records of the rolling, 12-month total CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions (in tons) from B402, K402 and K403. These emissions shall be calculated by multiplying the emissions limitations (in pounds per mmBtu) established for B402, K402 and K403 by the rolling, 12-month total quantity of natural gas (in mmscf) burned in B402, K402 and K403, and by 1020 mmBtu per mmscf divided by 2000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified November 29, 2007: d)(1) through (d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of natural

gas burned in all B402, K402 and K403 exceeded the operational restrictions, and the actual cumulative quantity of fuel burned for each such month.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of CO, NOx, PM10, SO2 and/or VOC emissions from the combustion of natural gas and fuel oil in B402, K402 and K403 exceeded the emissions limitations, and the actual cumulative quantity of CO, NOx, PM10, SO2 and VOC for each such month.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (5) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01359 as modified November 29, 2007: e)(1) through e)(5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average.

Applicable Compliance Method:

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

## b. Emission Limitation:

0.083 pound CO per mmBtu of heat input.

## Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

## c. Emission Limitation:

7.9 pounds of CO per hour.

## Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.083 pound of CO per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

## d. Emission Limitation:

10.93 tons of CO per year.

## Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.083 pound of CO per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

## e. Emission Limitation:

0.085 pound of NO<sub>x</sub> per mmBtu.

## Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 50 pounds of NO<sub>x</sub> emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

f. Emission Limitation:

8.1 pounds of NOx per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.085 pound of NOx per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

g. Emission Limitation:

11.18 tons of NOx per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.085 pound of NOx per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

h. Emission Limitation:

0.0019 pound of PE per mmBtu.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

i. Emission Limitation:

0.19 pound of PE per hour.



Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0019 pound of PE per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

j. Emission Limitation:

0.25 ton of PE per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0019 pound of PE per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

k. Emission Limitation:

0.0075 pound of PM10 per mmBtu

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 7.6 pounds of PM10 per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

l. Emission Limitation:

0.72 pound of PM10 per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0075 pound of PM10 per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

m. Emission Limitation:

0.99 ton of PM10 per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0075 pound of PM10 per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

n. Emission Limitation:

0.0006 pound of SO2 per mmBtu.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO2 emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

o. Emission Limitation:

0.06 pound of SO2 per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0006 pound of SO2 per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

p. Emission Limitation:

0.08 ton of SO2 per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0006 pound of SO2 per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

q. Emission Limitation:

0.0054 pound of VOC per mmBtu.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

r. Emission Limitation:

0.52 pound of VOC per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0054 pound of VOC per mmBtu by the maximum heat input capacity of 95 mmBtu per hour.

s. Emission Limitation:

0.71 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0054 pound of VOC per mmBtu by the maximum annual fuel usage (258 mmscf per year) and by 1020 mmBtu per mmscf and divide by 2,000 pounds per ton.

t. Emission Limitation:

The combined emissions from B402, K402 and K403 shall not exceed the following:

11.56 tons of CO as a rolling, 12-month summation;

12.44 tons of NOx as a rolling, 12-month summation;

1.41 tons of PM10 as a rolling, 12-month summation;



9.01 tons of SO<sub>2</sub> as a rolling, 12 month summation; and

0.74 ton of VOC as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section d)(4).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 29, 2007: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



4. F001, Plant Roadways and Parking Lots

Operations, Property and/or Equipment Description:

Roadways and parking areas, TNAP

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. It contains four rows of data detailing specific rules and their corresponding emission control measures.

(2) Additional Terms and Conditions

a. All roadways and parking areas shall be paved.



- b. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the paved roadways and parking areas by flushing with water, sweeping and/or by the application of water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
  - c. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for paved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
  - d. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
  - e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
  - f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
  - g. 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) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:



paved roadways and parking areas

minimum inspection frequency

Loop Road,  
T/CF Avenue 3,  
Paint Avenue 4,  
Body Avenue 5, and  
the Office Road for the original plant

Weekly

Paved parking areas:

minimum inspection frequency

Truck marshalling Lot A,  
Truck marshalling Lot B,  
North Parking Lot,  
South Parking Lot,  
West Parking Lot,  
Visitor Parking Lot  
Shipping Lot A  
Shipping Lot B

Weekly

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) After the permittee has performed weekly inspections of the paved roadways and parking areas for one calendar quarter and no visible particulate emissions of fugitive dust have been observed, the permittee may begin inspections of the paved roadways and parking areas once per month. If visible particulate emissions of fugitive dust are observed during subsequent monthly inspections, the permittee shall return to an inspection frequency of once per week until no visible particulate emissions of fugitive dust are observed for another calendar quarter. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events

shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(1) through (d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation reports that identify any of the following occurrences:
- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

[Authority for term: OAC rule 3745-77-07(C)(1)]



- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, as modified September 8, 2005: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

No visible PE from paved roadways and parking areas except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

b. Emission Limitations:

emissions of fugitive PM10 shall not exceed 0.32 pound per hour and 1.4 tons per year.

Applicable Compliance Method:

Compliance with fugitive PM10 limitations shall be determined by using the emission factor equations in Section 13.2.1, in Compilation of Air Pollutant Emission Factors, AP 42, Fifth Edition, Volume 1 (revised 12/03) for paved roadways. Should further updates in AP-42 occur, the most current equations for paved roads shall be used allowing a 95% control efficiency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



5. F401, F-401 - Paved Roads and Parking Areas

Operations, Property and/or Equipment Description:

Paved roadways and parking areas, Supplier Park

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. It contains three rows detailing specific rules and their corresponding emission control measures.

- (2) Additional Terms and Conditions
  - a. All roadways and parking areas shall be paved.
  - b. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the paved roadways and parking areas by flushing with water, sweeping and/or by the application of water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
  - c. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for paved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
  - d. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
  - e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
  - f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
  - g. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-10 through 20.
  - h. 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) None.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

paved roadways and parking areas                      minimum inspection frequency

all serving the Suppliers Park Complex              weekly

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (2) After the permittee has performed weekly inspections of the paved roadways and parking areas for a calendar quarter and no visible emissions of fugitive dust have been observed, the required frequency of visible emissions checks may be reduced to monthly (once per month, when the emissions unit is in operation). If a subsequent check of such emission point by the permittee or an Ohio EPA inspector indicates abnormal emissions, the frequency of emissions checks shall revert to weekly until such time as there are no visible particulate emissions for another calendar quarter.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-1359]

- (3) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified November 29, 2007: d)(1) through (d)(4). The monitoring and record keeping



requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01359 as modified November 29, 2007: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

No visible PE from paved roadways and parking areas except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

b. Emission Limitations:

fugitive emissions shall not exceed 14 tons as PE and 2.8 tons as PM10 per year.

Applicable Compliance Method:

Compliance with fugitive particulate limitations shall be determined by using the emission factor equations in Section 13.2.1, in Compilation of Air Pollutant Emission Factors, AP 42, Fifth Edition, Volume 1 (revised 12/03) for paved roadways. Should further updates in AP-42 occur, the most current equations for paved roads shall be used allowing a 95% control efficiency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 29, 2007: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



6. G002, Gasoline Dispensing

Operations, Property and/or Equipment Description:

Gasoline dispensing operations with ORVR control and gasoline UST with Stage I control, Stickney

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rule 3745-31-05(D), and OAC rule 3745-21-09(R).

(2) Additional Terms and Conditions

a. The permittee shall vent all vapors displaced from the transfer of gasoline from the stationary storage tank into the motor vehicle to a refrigerated condenser, or equivalent vapor control system which is designed and operated to maintain an overall control efficiency of not less than 90 percent, by weight, for VOC in the displaced vapors.

b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(R).

c. The permittee shall not cause, allow, or permit the transfer of gasoline at the gasoline dispensing facility, unless the following requirements are met:

i. each stationary gasoline storage tank shall be equipped and filled with a submerged fill pipe; and

- ii. for any transfer of gasoline from a delivery vessel to a stationary storage tank located at the facility, the vapors displaced from the stationary storage tank shall be processed by one of the following systems:
  - (a) a vapor balance system which is designed and operated to route at least 90 percent, by weight, of the VOC in the displaced vapors to the delivery vessel and which is equipped with a means to prevent the discharge of displaced vapors from an unconnected vapor line; or
  - (b) a vapor control system which is designed and operated to recover at least 90 percent by weight of the VOC in the displaced vapors.
  
- c) Operational Restrictions
  - (1) The permittee shall restrict the throughput of this emissions unit to a maximum 1,925,000 gallons of gasoline per rolling, 12-month period.  
  
[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 04-830]
  - (2) The permittee shall comply with the following operational restrictions for the Stage I vapor control system:
    - a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
    - b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
    - c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline.
    - d. The permittee shall repair any leak from the vapor balance or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10. Leaks of gasoline vapors from the vapor balance or control system shall be detected as described in OAC 3745-21-10(K)(5), using a liquid manometer (or equivalent device) to measure pressure during loading of gasoline and a portable hydrocarbon gas analyzer to detect any leaks. The hydrocarbon gas analyzer shall be calibrated with 2.2% propane by volume in air (or equivalent calibration gas) for 100% of the lower explosive limit according to the procedures and frequency specified by the manufacturer.

[Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-21-09(R) and OAC rule 3745-21-10(K)]

- (3) When transferring gasoline from the stationary storage tank into the motor vehicle, the vapor control system shall be installed, operated and maintained in accordance with the manufacturer's specifications, and shall be free of the following defects:
- a. Any component, that is required to be employed at all times, is absent or disconnected.
  - b. A vapor hose is crimped or flattened such that the vapor passage is blocked, or the pressure drop through the vapor hose exceeds by a factor of two or more the requirements in f)(2)b.
  - c. A nozzle boot is torn in one or more of the following manners:
    - i. A triangular-shaped or similar tear one half inch or more to a side, or a hole one half inch or more in length; and
    - ii. A slit one inch or more in length.
  - d. A faceplate or flexible cone is damaged in the following manner:
    - i. For balance nozzles and for nozzles for aspirator and educator assist type systems, the capability to achieve a seal with a fill pipe interface is affected for one fourth of the circumference of the faceplate (accumulated); and
    - ii. For nozzles for vacuum assist-type systems, more than one fourth of the flexible cone is missing.
  - e. Nozzle shutoff mechanisms are malfunctioning in any manner.
  - f. Vapor return lines, including such components as swivels, antirecirculation valves and underground piping are malfunctioning or are blocked, or restricted such that the pressure drop through the lines exceeds by a factor of two or more the requirements specified in f)(2)b.
  - g. A vapor processing unit is inoperative or malfunctioning.
  - h. A vacuum producing device is inoperative or malfunctioning.
  - i. Pressure/vacuum relief valves, vapor check valves, or dry breaks are inoperative.
  - j. Any vapor recovery equipment is leaking liquid gasoline or gasoline vapors.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (4) In lieu of compliance with c)(3), when transferring gasoline from the stationary storage tank into the motor vehicle the permittee shall assure that the motor vehicles filled at this gas dispensing facility are equipped with an onboard refueling vapor recovery system as an approved equivalent vapor control system.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (5) Operating instructions for the vapor control system shall be conspicuously posted in each gasoline dispensing area. The operating instructions shall clearly describe how to properly fuel motor vehicles and shall specifically prohibit the topping off of the motor vehicle fuel tank.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the quantity of gasoline delivered to the facility, and shall calculate and record monthly the total quantity of gasoline delivered to the facility during each rolling, 12-month period.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall maintain records of the results of each leak check conducted, for the vapor balance or control system, including, at a minimum, the following information:

- a. the date of each inspection;
- b. the findings of each inspection, which shall indicate the location, nature, and severity of the leak (highest detected reading);
- c. a statement that the leak detection method from paragraph (K) of rule 3745-21-10 of the Administrative Code was used or identification of the approved alternative leak detection method applied;
- d. the corrective action(s) taken to repair each leak and the date of final repair;
- e. the reasons for any repair interval exceeding 15 calendar days (from the time of detection to the date of final repair) for each leak equal to or greater than one hundred per cent of the lower explosive limit as propane, as determined under paragraph (K) of rule 3745-21-10 of the Administrative Code; and
- f. the inspector's name and signature.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(A), OAC rule 3745-21-09(R)(3) and OAC rule 3745-21-10(K)]

- (3) When transferring gasoline from the stationary storage tank into the motor vehicle, the permittee shall maintain records of the following information:

- a. The results of any tests performed pursuant to the testing requirements specified in f) of this permit.
- b. A log of the date and description of all repair and maintenance work performed or any other modifications made to the vapor control system.
- c. A copy of the most recent permit to operate application (including appendix) submitted to the Ohio EPA.

- d. A copy of the most recent permit to operate issued by the Ohio EPA.
- e. Proof of attendance and completion of any training required by the Ohio EPA for the operator or local manager of the gasoline dispensing facility.
- f. Copies of all completed post test inspection forms.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) In lieu of compliance with d)(3), when utilizing onboard refueling vapor recovery systems as the approved equivalent vapor control system, the permittee shall maintain records documenting each vehicle being fueled at the gas dispensing facility, as either being equipped or not equipped with an onboard refueling vapor recovery system.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-03(A)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-830 as issued June 30, 1993: d)(1) through (d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the gasoline throughput, in gallons per rolling, 12-month period exceeds 1,925,000 gallons. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Any leak(s) in the vapor balance system or vapor control system equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 of the Administrative Code, that is/are not repaired within 15 days after identification, shall be identified in the quarterly deviation report and shall include the date the leak was detected, the highest gas analyzer reading, and the date the leak was repaired.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03 and OAC rule 3745-21-09(R)(3)]

- (3) A comprehensive written report on the results of any tests performed in accordance with the requirements of this permit shall be submitted within 30 days following the completion of the tests.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) When utilizing onboard refueling vapor recovery systems as the approved equivalent vapor control system, the permittee shall notify the Director (the Toledo Division of Environmental Services) within 30 days of becoming aware of any motor vehicle filled at this gas station that was not equipped with an onboard refueling vapor recovery system. The exceedance and the method used to attain and maintain compliance shall also be included in the notification.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-03]

- (5) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-830 as issued June 30, 1993: e)(1) through e)(6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:**

operate and maintain a Stage I vapor recovery system for gasoline storage tank fill losses.

**Applicable Compliance Method:**

compliance shall be determined through the operational restrictions of c)(2) and the monitoring and record keeping requirements of d)(2).

b. **Emission Limitation:**

operate and maintain a refrigerated condenser, or equivalent, vapor recovery system for vehicle fill losses.



Applicable Compliance Method:

compliance shall be determined through the operational restrictions of c)(3) and c)(4) and the monitoring and record keeping requirements of d)(3) and d)(4).

c. Emission Limitation:

2.3 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established by calculations based on the worst case operating scenario, as follows: multiply the maximum rolling, 12-month gasoline throughput (1,925,000) by an emission factor of 2.4 pounds of VOC per 1000 gallons of gasoline and dividing by 2,000 pounds/ton. This emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 5.2, Table 5.2-7 (dated 1/95).

If required the permittee shall establish a site specific emission factor based on EPA approved test procedures.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(2) Within 60 days of the utilization of the refrigerated condenser vapor control system to comply with the control requirements of b)(2)a., or within 60 days of a modification to the vapor recovery system, the permittee shall perform and comply with the requirements of the following tests (or an alternate performance test(s) approved by the Ohio EPA) when operating a vapor recovery system for vehicle refueling:

- a. A leak test shall be performed in accordance with the test procedures contained in paragraph (Q) of OAC rule 3745-21-10 to quantify the vapor tightness of the vapor control system. The vapor control system must comply with the leak rate criteria specified in the test procedures.
b. A dynamic pressure performance test shall be performed in accordance with the test procedures contained in paragraph (R) of OAC rule 3745-21-10 to determine the pressure drop through the vapor control system at prescribed flow rates. The vapor recovery system must comply with the dynamic back pressures shown in the following table:

Nitrogen Maximum dynamic flowrate back pressure

Table with 2 columns: (scfh) and (inches of water). Rows: 40 (0.16), 60 (0.35), 80 (0.62)



- c. For purposes of f)(2)a., the modification of a vapor control system shall include the following:
  - i. Any change, such as the removal of components and the addition or removal of piping or fittings, which may cause the vapor control system to be incapable of maintaining an overall control efficiency of not less than 90 percent, by weight, for the VOC emissions.
  - ii. Any change which requires a permit to install pursuant to OAC rule 3745-31-02.
- d. Not later than 30 days prior to any tests required pursuant to f)(2), the permittee shall submit a test notification to the Ohio EPA or its delegated local air agency. The test notification shall describe the proposed test methods and procedures, the time and the date of the tests, and the person who will be conducting the tests. Failure to submit such notification prior to the tests may result in the Ohio EPA's refusal to accept the results of the tests. Personnel from the Ohio EPA or its delegated local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information during the tests. After completion of any tests, the permittee shall complete a copy of the post test inspection form attached to this permit.
- e. The Director may require the permittee to perform other tests that have been authorized by the U.S. Environmental Protection Agency if such tests are necessary to demonstrate the adequacy of a vapor control system.
- f. Where it has been determined that the test procedures specified in section f)(2) are not appropriate, alternate test procedures may be employed provided that written prior approval has been obtained from the Ohio EPA. Such modified test procedures may also be considered a significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-830 as issued June 30, 1993: f)(1) and f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



7. G003, Gasoline Fill Stations

Operations, Property and/or Equipment Description:

Gasoline dispensing operations with Stage II vapor control or ORVR control and gasoline AST with Stage I control, TNAP

- 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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, and OAC rule 3745-21-09(R).

(2) Additional Terms and Conditions

- a. The permittee shall vent all vapors displaced from the transfer of gasoline from the stationary storage tank into the motor vehicle to a vapor control system, or equivalent, which is designed and operated to maintain an overall control efficiency of not less than 90 percent, by weight, for VOC in the displaced vapors.
b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(R) and OAC rules 3745-31-10 through 20.
c. The permittee shall not cause, allow or permit the transfer of gasoline in this emissions unit unless the following Stage I requirements are met:
i. any stationary storage tank which stores gasoline at the gasoline dispensing facility is equipped with a submerged fill pipe; and

- ii. for any transfer of gasoline from a delivery vessel to a stationary storage tank located at the gasoline dispensing facility, the vapors displaced from the stationary storage tank are processed by one of the following systems:
  - (a) a vapor balance system which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the delivery vessel and which is equipped with a means to prevent the discharge of displaced vapors from an unconnected vapor line; or
  - (b) a vapor control system which is designed and operated to recover at least 90 percent by weight of the VOC in the displaced vapors.
- c) Operational Restrictions
  - (1) The permittee shall comply with the following operational restrictions for the Stage I vapor control system:
    - a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
    - b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
    - c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline.
    - d. The permittee shall repair any leak from the vapor balance or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10. Leaks of gasoline vapors from the vapor balance or control system shall be detected as described in OAC 3745-21-10(K)(5), using a liquid manometer (or equivalent device) to measure pressure during loading of gasoline and a portable hydrocarbon gas analyzer to detect any leaks. The hydrocarbon gas analyzer shall be calibrated with 2.2% propane by volume in air (or equivalent calibration gas) for 100% of the lower explosive limit according to the procedures and frequency specified by the manufacturer.

[Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-21-09(R) and OAC rule 3745-21-10(K)]
  - (2) When transferring gasoline from the stationary storage tank into the motor vehicle, the vapor control system shall be installed, operated and maintained in accordance with the manufacturer's specifications, and shall be free of the following defects:
    - a. Any component, that is required to be employed at all times, is absent or disconnected.

- b. A vapor hose is crimped or flattened such that the vapor passage is blocked, or the pressure drop through the vapor hose exceeds by a factor of two or more the requirements in f)(2)b.
- c. A nozzle boot is torn in one or more of the following manners:
  - i. A triangular-shaped or similar tear one half inch or more to a side, or a hole one half inch or more in length; and
  - ii. A slit one inch or more in length.
- d. A faceplate or flexible cone is damaged in the following manner:
  - i. For balance nozzles and for nozzles for aspirator and educator assist type systems, the capability to achieve a seal with a fill pipe interface is affected for one fourth of the circumference of the faceplate (accumulated); and
  - ii. For nozzles for vacuum assist-type systems, more than one fourth of the flexible cone is missing.
- e. Nozzle shutoff mechanisms are malfunctioning in any manner.
- f. Vapor return lines, including such components as swivels, antirecirculation valves and underground piping are malfunctioning or are blocked, or restricted such that the pressure drop through the lines exceeds by a factor of two or more the requirements specified in f)(2)b.
- g. A vapor processing unit is inoperative or malfunctioning.
- h. A vacuum producing device is inoperative or malfunctioning.
- i. Pressure/vacuum relief valves, vapor check valves, or dry breaks are inoperative.
- j. Any vapor recovery equipment is leaking liquid gasoline or gasoline vapors.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (3) In lieu of compliance with c)(2), when transferring gasoline from the stationary storage tank into the motor vehicle the permittee shall assure that the motor vehicles filled at this gas dispensing facility are equipped with an onboard refueling vapor recovery system as an approved equivalent vapor control system.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (4) Operating instructions for the vapor control system shall be conspicuously posted in each gasoline dispensing area. The operating instructions shall clearly describe how to properly fuel motor vehicles and shall specifically prohibit the topping off of the motor vehicle fuel tank.

[Authority for term: OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the quantity of gasoline delivered to the facility, and shall calculate and record monthly the total VOC emissions as the quantity of gasoline delivered to the facility during each rolling, 12-month period multiplied by 3.1 pounds VOC per 1000 gallons of gasoline.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall maintain records of the results of each leak check conducted, for the vapor balance or control system, including, at a minimum, the following information:

- a. the date of each inspection;
- b. the findings of each inspection, which shall indicate the location, nature, and severity of the leak (highest detected reading);
- c. a statement that the leak detection method from paragraph (K) of rule 3745-21-10 of the Administrative Code was used or identification of the approved alternative leak detection method applied;
- d. the corrective action(s) taken to repair each leak and the date of final repair;
- e. the reasons for any repair interval exceeding 15 calendar days (from the time of detection to the date of final repair) for each leak equal to or greater than one hundred per cent of the lower explosive limit as propane, as determined under paragraph (K) of rule 3745-21-10 of the Administrative Code; and
- f. the inspector's name and signature.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(A), OAC rule 3745-21-09(R)(3) and OAC rule 3745-21-10(K)]

- (3) When transferring gasoline from the stationary storage tank into the motor vehicle, the permittee shall maintain records of the following information:

- a. The results of any tests performed pursuant to the testing requirements specified in f) of this permit.
- b. A log of the date and description of all repair and maintenance work performed or any other modifications made to the vapor control system.
- c. A copy of the most recent permit to operate application (including appendix) submitted to the Ohio EPA.
- d. A copy of the most recent permit to operate issued by the Ohio EPA.
- e. Proof of attendance and completion of any training required by the Ohio EPA for the operator or local manager of the gasoline dispensing facility.

f. Copies of all completed post test inspection forms.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) In lieu of compliance with d)(3), when utilizing onboard refueling vapor recovery systems as the approved equivalent vapor control system, the permittee shall maintain records documenting each vehicle being fueled at the gas dispensing facility, as either being equipped or not equipped with an onboard refueling vapor recovery system.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-03(A)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(1) through (d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) showing that the total VOC emissions, in tons per rolling, 12-month period exceeds 34.0 tons. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Any leak(s) in the vapor balance system or vapor control system equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 of the Administrative Code, that is/are not repaired within 15 days after identification, shall be identified in the quarterly deviation report and shall include the date the leak was detected, the highest gas analyzer reading, and the date the leak was repaired.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03 and OAC rule 3745-21-09(R)(3)]

- (3) A comprehensive written report on the results of any tests performed in accordance with the requirements of this permit shall be submitted within 30 days following the completion of the tests.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) When utilizing onboard refueling vapor recovery systems as the approved equivalent vapor control system, the permittee shall notify the Director (the Toledo Division of Environmental Services) within 30 days of becoming aware of any motor vehicle filled at this gas station that was not equipped with an onboard refueling vapor recovery system. The exceedance and the method used to attain and maintain compliance shall also be included in the notification.



[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-03]

- (5) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

operate and maintain a Stage I vapor recovery system for gasoline storage tank fill losses.

Applicable Compliance Method:

compliance shall be determined through the operational restrictions of c)(2) and the monitoring and record keeping requirements of d)(2).

b. Emission Limitation:

operate and maintain a refrigerated condenser, or equivalent, vapor recovery system for vehicle fill losses.

Applicable Compliance Method:

compliance shall be determined through the operational restrictions of c)(3) and c)(4) and the monitoring and record keeping requirements of d)(3) and d)(4).



c. Emission Limitation:

34.0 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established by calculations based on the worst case operating scenario, as follows: multiply the rolling, 12-month gasoline throughput, in gallons by an emission factor of 3.1 pounds of VOC per 1000 gallons of gasoline and dividing by 2,000 pounds/ton. This emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 5.2, Table 5.2-7 (dated 1/95).

If required, the permittee shall establish a site specific emission factor based on EPA approved test procedures.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(2) Within 60 days of the utilization of the refrigerated condenser vapor control system to comply with the control requirements of b)(2)a., or within 60 days of a modification to the vapor recovery system, the permittee shall perform and comply with the requirements of the following tests (or an alternate performance test(s) approved by the Ohio EPA) when operating a vapor recovery system for vehicle refueling:

- a. A leak test shall be performed in accordance with the test procedures contained in paragraph (Q) of OAC rule 3745-21-10 to quantify the vapor tightness of the vapor control system. The vapor control system must comply with the leak rate criteria specified in the test procedures.
b. A dynamic pressure performance test shall be performed in accordance with the test procedures contained in paragraph (R) of OAC rule 3745-21-10 to determine the pressure drop through the vapor control system at prescribed flow rates. The vapor recovery system must comply with the dynamic back pressures shown in the following table:

Nitrogen Maximum dynamic flowrate back pressure

Table with 2 columns: (scfh) and (inches of water). Rows: 40 (0.16), 60 (0.35), 80 (0.62)

c. For purposes of f)(2)a., the modification of a vapor control system shall include the following:

- i. Any change, such as the removal of components and the addition or removal of piping or fittings, which may cause the vapor control system to

be incapable of maintaining an overall control efficiency of not less than 90 percent, by weight, for the VOC emissions.

- ii. Any change which requires a permit to install pursuant to OAC rule 3745-31-02.
- d. Not later than 30 days prior to any tests required pursuant to f)(2), the permittee shall submit a test notification to the Ohio EPA or its delegated local air agency. The test notification shall describe the proposed test methods and procedures, the time and the date of the tests, and the person who will be conducting the tests. Failure to submit such notification prior to the tests may result in the Ohio EPA's refusal to accept the results of the tests. Personnel from the Ohio EPA or its delegated local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information during the tests. After completion of any tests, the permittee shall complete a copy of the post test inspection form attached to this permit.
- e. The Director may require the permittee to perform other tests that have been authorized by the U.S. Environmental Protection Agency if such tests are necessary to demonstrate the adequacy of a vapor control system.
- f. Where it has been determined that the test procedures specified in section f)(2) are not appropriate, alternate test procedures may be employed provided that written prior approval has been obtained from the Ohio EPA. Such modified test procedures may also be considered a significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1) and f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) **Miscellaneous Requirements**

- (1) None.



8. G401, G401 Gasoline Dispensing

Operations, Property and/or Equipment Description:

Gasoline dispensing facility using on-board refueling vapor recover (ORVR) for control. Located at Toledo Supplier Park Final Assembly (draws from G002 and G003 tanks).

- 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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rules 3745-31-21 through 27, and OAC rule 3745-21-09(R).

- (2) Additional Terms and Conditions
a. The permittee shall equip every vehicle fueled in this emissions unit with an On-Board Refueling Vapor Recovery (ORVR) system with a minimum 96% by weight capture and control efficiency.
b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(R) and OAC rules 3745-31-21 through 27.
c. The permittee shall not cause, allow or permit the transfer of gasoline in this emissions unit unless the following Stage I requirements are met:
i. Any stationary storage tank which stores gasoline at the gasoline dispensing facility is equipped with a submerged fill pipe; and
ii. For any transfer of gasoline from a deliver vessel to a stationary storage tank located at the gasoline dispensing facility, the vapors displaced from the stationary storage tank are processed by one of the following systems:
(a) a vapor balance system which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors

to the deliver vessel and which is equipped with a means to prevent the discharge of displaced vapors from an unconnected vapor line; or

- (b) a vapor control system which is designed and operated to recover at least 90 percent by weight of the VOC in the displaced vapors.

c) **Operational Restrictions**

- (1) The permittee shall restrict the throughput of this emissions unit to a maximum 2,500,000 gallons of gasoline per rolling, 12-month period.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 04-01359]

- (2) For any vehicle fueled in this emissions unit, an On-Board Refueling Vapor Recovery (ORVR) system shall be used to capture and control gasoline vapors that are emitted during the vehicle fueling process.

- (3) The permittee shall comply with the following operational restrictions for the Stage I vapor control system:

- a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
- b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
- c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline.
- d. The permittee shall repair any leak from the vapor balance or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10. Leaks of gasoline vapors from the vapor balance or control system shall be detected as described in OAC 3745-21-10(K)(5), using a liquid manometer (or equivalent device) to measure pressure during loading of gasoline and a portable hydrocarbon gas analyzer to detect any leaks. The hydrocarbon gas analyzer shall be calibrated with 2.2% propane by volume in air (or equivalent calibration gas) for 100% of the lower explosive limit according to the procedures and frequency specified by the manufacturer.

[Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-21-09(R) and OAC rule 3745-21-10(K)]

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall properly install, operate, and maintain equipment to monitor the total quantity of gasoline used to fuel vehicles in this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with



the manufacturer's recommendations, instructions, and operating manual(s) with any modifications amendments deemed necessary by the permittee.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (2) The permittee shall maintain monthly records of the quantity of gasoline used to fuel vehicles in this emissions unit and shall calculate and record monthly the total quantity of gasoline used to fuel vehicles in this emissions unit during each rolling, 12-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (3) The permittee shall maintain records that document any time periods when the Stage I vapor balance system was not in service during the transfer of gasoline into the storage tank(s).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (4) The permittee shall maintain records of the results of each leak check conducted, for the vapor balance or control system, including, at a minimum, the following information:

- a. the date of each inspection;
- b. the findings of each inspection, which shall indicate the location, nature, and severity of the leak (highest detected reading);
- c. a statement that the leak detection method from paragraph (K) of rule 3745-21-10 of the Administrative Code was used or identification of the approved alternative leak detection method applied;
- d. the corrective action(s) taken to repair each leak and the date of final repair;
- e. the reasons for any repair interval exceeding 15 calendar days (from the time of detection to the date of final repair) for each leak equal to or greater than one hundred per cent of the lower explosive limit as propane, as determined under paragraph (K) of rule 3745-21-10 of the Administrative Code; and
- f. the inspector's name and signature.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (5) The permittee shall maintain records that document any time periods when a vehicle without ORVR was fueled at this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify any record that indicates the Stage I vapor balance system was not in operation during the transfer of gasoline.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Any leak(s) in the vapor balance system or vapor control system equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 of the Administrative Code, that is/are not repaired within 15 days after identification, shall be identified in the quarterly deviation report and shall include the date the leak was detected, the highest gas analyzer reading, and the date the leak was repaired.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify any record that indicates a vehicle without ORVR was fueled at this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the annual gasoline throughput for this emissions unit exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01359 as modified September 2, 2004: e)(1) through e)(6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

a minimum 96% by weight capture and control efficiency.

Applicable Compliance Method:

compliance with the overall control efficiency requirement shall be demonstrated through the certification of the ORVR system in accordance with Title II of the Clean Air Act, Section 202, Paragraph 6.

b. Emission Limitation:

3.1 tons of VOC as a rolling, 12-month summation.

Applicable Compliance Method:

compliance shall be demonstrated by multiplying the rolling, 12-month summation of gasoline throughput by an emission factor of 2.44 pounds of VOC per 1000 gallons of gasoline, and then dividing by 2,000 pounds per ton.

This emission factor is based on the following:

0.3 pounds per 1000 gallons for balanced underground submerged filling,

1.0 pounds per 1000 gallons for underground storage tank breathing and emptying,

0.7 pounds per 1000 gallons for spillage, and

11.0 pounds per 1000 gallons for uncontrolled vehicle refueling operations which is reduced to 0.44 pounds per 1000 gallons with a 96% effective control.

These emission factors are specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 5.2, Table 5.2-7 (dated 1/95).

If required, the permittee shall establish a site specific emission factor(s) based on EPA approved test procedures.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01359]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

- g) Miscellaneous Requirements
  - (1) None.



9. K021, E-Coat

Operations, Property and/or Equipment Description:

E-coat with 26.0 mmBtu per hour indirect fired natural gas drying oven, with regenerative thermal oxidizer (RTO) on the oven exhaust, TNAP

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) g)(1)

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.

Table with 3 columns: Emissions Unit, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. It details rules for electrodeposition (E-Coat) prime coat of automobile bodies, including OAC rules and 40 CFR Part 60, Subpart A and MM.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	subject to the emission limitations/control measures specified in this section.	
f.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)h.
g.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  In accordance with 40 CFR 63.3081(b), this emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.	see b)(2)i.  [63.3091(a) and (b)]
h.	40 CFR Part 64 (64.1 through 64.10)  This emissions unit is subject to an emission limitation for a regulated air pollutant, uses a control device to achieve compliance and has pre-control emissions greater than 100 tons per year.	The permittee shall implement a compliance assurance monitoring (CAM) program consistent with the monitoring, and recordkeeping provisions of this permit.
<b>26.0 mmBtu per hour indirect fired, natural gas drying oven combustion emissions</b>		
i.	OAC rule 3745-31-05(A)(3) (PTI 04-1102 issued 9/8/2005)	the emissions from the oven combustion stack(s) serving this emissions unit shall not exceed:  0.083 pound of carbon monoxide (CO) per mmBtu of actual heat input; 9.5 tons of CO per rolling, 12-month period; 0.100 pound of nitrogen oxides (NOx) per mmBtu of actual heat input; 11.4 tons of NOx per rolling, 12-month period; 0.0056 pound of particulate emissions of 10 microns or less in diameter (PM10) per mmBtu of actual heat input; 0.064 ton of PM10 per rolling, 12-month period; 0.0006 pound of sulfur dioxide (SO2) per mmBtu of actual heat input; 0.068 ton of SO2 per rolling, 12-month period;



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		0.0054 pound of volatile organic compounds (VOC) per mmBtu of actual heat input; 0.62 ton of VOC per rolling, 12-month period; and 5% opacity as a 6-minute average  see b)(2)j.
j..	OAC rule 3745-17-07(A)(1)	visible particulate emissions from any stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average
k.	OAC rule 3745-17-10(B)(1)	particulate emissions (PE) from the oven combustion stack(s) shall not exceed 0.020 pound per million Btu of actual heat input
l.	OAC rule 3745-18-06(A)	see b)(2)k.
m.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)l.
n.	40 CFR Part 63, Subpart DDDDD (63.7480 through 63.7575)  In accordance with 40 CFR 63.7485, this emissions unit is a process heater located at a facility which is a major source of hazardous air pollutants (HAPs) subject to the emission limitations/control measures specified in this section.	See b)(2)m.

(2) Additional Terms and Conditions

- a. The permittee shall operate and maintain a thermal incinerator, with a 100 percent capture efficiency and a minimum of 95 percent control efficiency, to control VOC emissions from the drying oven. The thermal incinerator shall be operated and maintained in accordance with the manufacturer's recommendations.
- b. In order to maintain compliance with the applicable VOC emission limitation(s), the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit controlled by the thermal oxidizer is in operation, shall not be below the average temperature measured during the most recent performance test that demonstrated the emissions unit was in compliance.

- c. The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart MM.
- d. The permittee shall not discharge or cause the discharge into the atmosphere from this emissions unit VOC emissions in excess of:
  - i. 1.4 pounds of VOC per gallon of solids from any electrodeposition (EDP) coating line when the solids turnover ratio (RT) is 0.16 or greater.
  - ii.  $1.4 \times 350^{(0.160-RT)}$  pounds of VOC per gallon of solids from any EDP coating line when RT is greater than or equal to 0.040 and less than 0.160; or
  - iii. when RT, is less than 0.040 for any EDP coating line, there is no emission limit;

where RT is calculated according to the equation in paragraph OAC rule 3745-21-09(C)(1)(a)(ii).

- e. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rules 3745-31-10 through 20.
- f. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- g. In accordance with 40 CFR 60.392(a), the permittee shall not discharge or cause the discharge into the atmosphere from this emissions unit VOC emissions in excess of:
  - i. 0.17 kilogram of VOC per liter of applied coating solids when RT is 0.16 or greater.
  - ii.  $0.17 \times 350^{(0.160-RT)}$  kg of VOC per liter of applied coating solids when RT is greater than or equal to 0.040 and less than 0.160.
  - iii. When RT is less than 0.040, there is no emission limit.
- h. Table 2 to Subpart IIII of 40 CFR Part 63 provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- i. The combined organic hazardous air pollutant (HAP) emissions from electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 40 CFR 63.3082(c), shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 63.3161;

or

if each individual material added to the electrodeposition primer system contains no more than 1.0 percent by weight of any organic HAP and 0.10 percent by weight of any organic HAP, or the emissions from all bake ovens used to cure electrodeposition primers are captured and ducted to a control device having a destruction efficiency of at least 95 percent, the combined organic HAP emissions from primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 63.3082(c) shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month, determined according to the requirements in 63.3171.

- j. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- k. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

- l. Table 10 to 40 Part 63 Subpart DDDDD provides applicability provisions, definitions, and other general provisions of 40 CFR Part 63, Subpart A that are applicable to 40 CFR Part 63, Subpart DDDDD.
- m. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

## c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (3) The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the incinerator is in operation as a VOC control device for compliance purposes, shall not be below the average temperature measured during the most recent emission test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (4) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (5) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the firebox of the thermal incinerator when the incinerator is in operation. Each temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications, with any modifications deemed necessary by the permittee and approved by the Toledo Division of Environmental Services. The device shall have an accuracy of the greater of 0.75 percent of the temperature being measured expressed in degrees Celsius or 4.0 Fahrenheit degrees. Each temperature measurement device shall be equipped with a recording device so that a permanent record is produced. The temperature monitor and recorder shall be

calibrated, operated and maintained in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall collect and record the following information for each month for the coating line and control equipment:
- a. the name and identification number of each coating used;
  - b. the mass of VOC per volume of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
  - c. the maximum VOC content (mass of VOC per volume of applied coating solids, as applied) or the daily volume-weighted average VOC content (mass of VOC per volume of coating solids, as applied) of all the coatings;
  - d. the calculated, controlled VOC emission rate, in mass of VOC per unit volume of coating solids, as applied. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the daily volume-weighted VOC content and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - e. the calculated, controlled VOC emissions, in tons of VOC per month and tons of VOC per rolling, 12-month period. The controlled VOC emissions shall be calculated using the controlled VOC emission rate in d)(3)d., the volume solids content per month from d)(3)b. and a factor of 2,000 pounds/ton;
  - f. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit;
  - g. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was below the average temperature determined during the most recent emission test that demonstrated that the emissions unit was in compliance.
  - h. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit (28 degrees Celsius) below the average temperature determined during the most recent emission test that demonstrated that the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 64 - Compliance Assurance Monitoring, including the following sections:

64.3 Monitoring design criteria	The permittee shall implement a thermal oxidizer inspection and maintenance program, to detect and repair worn or malfunctioning components.
	The permittee shall maintain a log detailing the operation and maintenance of the emission capture systems, add-on control devices, and continuous parameter monitoring systems (CPMS) for all oven exhaust VOC emissions.
64.9 Recordkeeping requirements	The permittee shall comply with the applicable recordkeeping requirements specified 40 CFR 64.9(b) for all oven exhaust VOC emission related systems.

(Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1))

- (7) TNAP's approach to CAM involves two different indicators for each of the control devices, as provided in the following table.

	Temperature Monitoring	Burner Inspection/Repair
Indicator	Two thermocouples (1 located at the inlet duct, 1 located inside the combustion chamber) will be used to obtain temperature data on a continuous basis, per the USEPA Technical Guidance Document: Compliance Assurance Monitoring 1998, 1999, and 2000 update.	The RTO burners will be inspected to ensure that they are in good working order. Approach per the USEPA Technical Guidance Document: Compliance Assurance Monitoring, 1998, 1999 and 2000 updates.
Indicator Range	The indicator range is established as a decrease in the 3-hour average temperature below the average temperature specified during the most recent emission test that demonstrated the emissions unit was in compliance. Initial testing performed on	If an inspection has been performed in a calendar year, this criterion has been met.



Table with 3 columns and 5 rows detailing monitoring parameters: QA/QC Practices, Monitoring Frequency, Data Collection Procedure, Averaging Period, and their respective descriptions and frequencies.

(Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1))

- (8) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as issued September 8, 2005: d)(1) through d)(7). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall notify the director (the Toledo Division of Environmental Services) of any daily record showing that the calculated, controlled VOC emission rate exceeds the OAC rule 3745-21-09(C)(1)(a)(ii) through (iv) pounds of VOC per gallon of solids limitation. A copy of such record shall be sent to the director (the Toledo Division of Environmental Services) within forty-five days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly reports to the Director (Toledo Division of Environmental Services) summarizing the following:
- a. the operating time for the capture (collection) system(s), control device(s), monitoring equipment, and the associated emissions unit;
  - b. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance; and
  - c. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit (28 degrees Celsius) below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

If no such periods of deviation occur, the permittee shall submit a negative report.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all monthly records showing that the calculated, controlled VOC emission rate exceeds the applicable mass of VOC per volume of applied coating solids limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall submit quarterly deviation (excursion) reports that identify all monthly records showing that the calculated, controlled rolling 12-month VOC emission rate exceeds the applicable mass emission limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)] The permittee shall submit semiannual reports and other such notifications and reports via the air services component of the



Ohio EPA's eBusiness Center as are required pursuant to 40 CFR Part 64 - Compliance Assurance Monitoring, including the following sections:

Table with 2 columns: Reporting requirements (64.9) and description of semiannual reports for VOC emission systems.

(Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1))

- (9) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (10) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1)through e)(9). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average from the RTO stack.

20% opacity as a 6-minute average from each oven burner stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.020 pound PE per mmBtu actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternatively, other U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

100 percent capture efficiency and a minimum of 95 percent control efficiency for the RTO.

Applicable Compliance Method:

If required, the permittee shall perform additional emission tests, conducted in accordance with USEPA Method 25 of 40 CFR Part 60, Appendix A, USEPA Methods 204 through 204F of 40 CFR Part 51, Appendix M, and the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

0.23 pound of VOC per gallon of applied coating solids.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 60.393 for determining the monthly volume-weighted average mass of VOC emitted per volume of applied solids.

e. Emission Limitation:

52.01 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the emission limitation will be demonstrated by the record keeping requirements of d)(3)e.

f. Emission Limitation:

0.17 kilogram of VOC per liter of applied coating solids or

0.17×350 (0.160–RT) kg of VOC per liter of applied coating solids.

Applicable Compliance Method:

Compliance shall be demonstrated utilizing the methods and procedures of 40 CFR 60.393(c).

g. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3161.

h. Emission Limitation:

combined HAP emissions shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3171.

i. Emission Limitation:

0.083 pound of CO per mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on calculations using emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 84 pounds of CO per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

j. Emission Limitations:

9.5 tons of CO per rolling, 12-month period.

**Applicable Compliance Method:**

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation (0.083 pound per mmBtu), by the maximum fuel heat input rate (26.0 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

**k. Emission Limitation:**

0.100 pound of NOx per mmBtu of actual heat input.

**Applicable Compliance Method:**

This emissions limitation was developed based on calculations using emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 100 pounds of NOx per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

**l. Emission Limitations:**

11.4 tons of NOx per rolling, 12-month period.

**Applicable Compliance Method:**

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation (0.100 pound of NOx per mmBtu), by the maximum fuel heat input rate (26.0 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

**m. Emission Limitation:**

0.0056 pound of PM10 per mmBtu of actual heat input.

**Applicable Compliance Method:**

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

n. Emission Limitations:

0.064 ton of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit.

o. Emission Limitation:

0.0006 pound of SO<sub>2</sub>/mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on calculations using emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO<sub>2</sub> per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

p. Emission Limitations:

0.068 ton of SO<sub>2</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation (0.0006 pound SO<sub>2</sub> per mmBtu), by the maximum fuel heat input rate (26.0 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

q. Emission Limitation:

0.0054 pound of VOC/mmBtu of actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on calculations using emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pound of VOC per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and Method 25 or 25A of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

r. Emission Limitations:

0.62 ton of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation (0.0054 pound VOC per mmBtu), by the maximum fuel heat input rate (26.0 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

- (3) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. the emission testing shall be conducted within 6 months prior to the permit expiration;
  - b. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services;
  - c. the capture efficiency (i.e., the percent of total VOC which enters the control device) shall be determined in accordance with the test methods and procedures specified in 40 CFR Part 60.393. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services;
  - d. the control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in 40 CFR Part 60.393. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of

the potential presence of interfering gases. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services;

- e. the permittee shall collect and record the 3-hour average combustion temperature within the thermal incinerator during testing; and
- f. the permittee shall collect and record monitoring parameters established to demonstrate that the emissions unit is in compliance with the 100 percent capture efficiency requirement when the incinerator is in operation as a control device for VOC compliance purposes.

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

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) **Miscellaneous Requirements**

- (1) Should any coating formulations cause a nuisance odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]



10. K022, Powder Anti-chip

Operations, Property and/or Equipment Description:

Electrostatic powder anti-chip guidecoat operation with control by particulate filtration for overspray, discharging within the building, and a 35.8 mmBtu per hour natural gas-fired curing oven, TNAP

- 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.

Table with 3 columns: Emissions Unit, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. It details various rules (OAC rules) and their corresponding emission limits for different aspects of the powder anti-chip guidecoat operation.



f.	40 CFR Part 60, Subpart A (60.1 through 60.19)	see b)(2)e.
g.	40 CFR Part 60, Subpart MM (60.390 through 60.398)  In accordance with 40 CFR 63.390(a), this emissions unit is an automobile or light-duty truck assembly plant guide coat operation subject to the emission limitations/control measures specified in this section.	in accordance with 60.392(b), the emissions of VOC from this emissions unit shall not exceed 1.40 kilograms of VOC per liter (11.7 pounds of VOC per gallon) of applied coating solids on a monthly basis
h	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)f.
i.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  In accordance with 40 CFR 63.3081(b), this emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.	see b)(2)g.  [63.3091(a) and (b)]
35.8 mmBtu per hour natural gas curing oven combustion emissions		
j.	OAC rule 3745-31-05(A)(3) (PTI 04-1102 issued 10/27/99)	the emissions from the oven combustion stack(s) serving this emissions unit shall not exceed:  0.083 pound of carbon monoxide (CO) per mmBtu of actual heat input; 12.9 tons of CO per rolling, 12-month period; 15.5 tons of nitrogen oxides (NOx) per rolling, 12-month period; 0.87 ton of particulate matter less than or equal to 10 microns in diameter (PM10) per rolling, 12-month period; 0.0006 pound of sulfur dioxide (SO2) per mmBtu of actual heat input; 0.093 ton of SO2 per rolling, 12-month period; 0.84 ton of volatile organic compounds (VOC) per rolling, 12-month period; and 5% opacity as a 6-minute average from each oven combustion stack.  see b)(2)h.



k.	OAC rule 3745-31-10 through 20 (PTI 04-1102 issued 10/27/99)	the emissions from the oven combustion stack(s) serving this emissions unit shall not exceed:  0.100 pound of NOx per mmBtu of actual heat input; 0.0056 pound of PM10 per mmBtu of actual heat input; and 0.0054 pound of VOC per mmBtu of actual heat input  see b)(2)g.
l.	OAC rule 3745-17-07(A)(1)	visible particulate emissions from this emissions unit shall not exceed 20 percent opacity as a six-minute average
m.	OAC rule 3745-17-10(B)(1)	particulate emissions (PE) from the oven combustion stack(s) shall not exceed 0.020 pound per million Btu of actual heat input
n.	OAC rule 3745-18-06(A)	see b)(2)h.
o.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)i.
p.	40 CFR Part 63, Subpart DDDDD (63.7480 through 63.7575)  In accordance with 40 CFR 63.7485, this emissions unit is a process heater located at a facility which is a major source of hazardous air pollutants (HAPs) subject to the emission limitations/control measures specified in this section.	See b)(2)j.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-10 through 20, OAC rule 3745-21-09(C)(1)(a)(v) and 40 CFR Part 60, Subpart MM.
- b. The permittee shall employ only low VOC powder as a coating material in this emissions unit.
- c. The permittee shall employ reasonably available control measures on the powder guidecoat operations associated with this emissions unit for the purpose of ensuring compliance with the applicable requirements. The permittee has committed to utilize inherent fabric filtration and adequate enclosure to minimize or eliminate visible particulate emissions of fugitive dust. Nothing in this

paragraph shall prohibit the permittee from employing other control measures to ensure compliance. Implementation of these control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B), (B)(3).

- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart MM
- e. 40 CFR Part 63, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- f. Table 2 to Subpart IIII of 40 CFR Part 63 provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- g. The combined organic hazardous air pollutant (HAP) emissions from electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 40 CFR 63.3082(c), shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 63.3161;

or

if each individual material added to the electrodeposition primer system contains no more than 1.0 percent by weight of any organic HAP and 0.10 percent by weight of any organic HAP, or the emissions from all bake ovens used to cure electrodeposition primers are captured and ducted to a control device having a destruction efficiency of at least 95 percent, the combined organic HAP emissions from primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 63.3082(c) shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month, determined according to the requirements in 63.3171.

- h. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- i. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality

natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

- j. Table 10 to 40 Part 63 Subpart DDDDD provides applicability provisions, definitions, and other general provisions of 40 CFR Part 63, Subpart A that are applicable to 40 CFR Part 63, Subpart DDDDD.
- k. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

c) **Operational Restrictions**

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (3) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (4) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: 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 units.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall collect and record the following information for each month for the coating line:
  - a. the name and identification number of each coating, as applied;
  - b. the mass of VOC per volume of coating solids of each coating, as applied.
  - c. the applied volume of coating solids of each coating;
  - d. the monthly emissions of VOC (the summation of b. x c. for all coatings) and the rolling, 12-month summation of the monthly emissions, in tons per year.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as issued September 8, 2005: d)(1) through d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall notify the Director (Toledo Division of Environmental Services) of any daily record in the calendar quarter during which the calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating, excluding water and exempt solvents, or pounds of VOC per gallon of deposited solids on a daily basis exceeded the emissions limitation specified in OAC rule 3745-21-09(C)(1)(a)(v), and the actual VOC emission rate for each such day. The notification shall include a copy of such record and shall be sent to the Director (Toledo Division of Environmental Services) within 45 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period exceeded the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) [Authority for term: OAC rule 3745-77-07(C)(1)] Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1)through e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average from each oven combustion stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

20% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

0.020 pound PE per mmBtu actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternatively, other U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

d. Emission Limitation:

3.25 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the emission limitation will be demonstrated by the record keeping requirements of d)(5)d.

e. 2.8 pounds per gallon of coating, excluding water and exempt solvents, or 15.1 pounds of VOC per gallon of deposited solids on a daily basis.

Applicable Compliance Method:

Where applicable, compliance shall be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", EPA-450-3-88-018, dated December 1988, and any subsequent revision approved by the USEPA and the State of Ohio Environmental Protection Agency, as provided in OAC rule 3745-21-09(C)(4) . Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

f. Emission Limitation:

1.40 kilograms of VOC per liter (11.7 pounds of VOC per gallon) of applied coating solids on a monthly basis.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 60.393 for determining the monthly volume-weighted average mass of VOC emitted per volume of applied solids.

g. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3161.

h. Emission Limitation:

combined HAP emissions shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3171.

i. Emission Limitation:

0.083 pound of CO per mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 84 pounds of CO per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

j. Emission Limitations:

12.9 tons of CO per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.083 pound per mmBtu), by the maximum fuel heat input rate (35.80 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

k. Emission Limitation:

0.100 pound of NOx per mmBtu of actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 100 pounds of NOx per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

l. Emission Limitations:

15.5 tons of NOx per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations

performed as follows: multiply the technical emission limitation (0.100 pound of NOx per mmBtu), by the maximum fuel heat input rate (35.8 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

m. Emission Limitation:

0.020 pound of PE per million Btu of actual heat input.

Applicable Compliance Method:

This emissions limitation is greater than the result of calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

n. Emission Limitation:

0.0056 pound of PM10 per mmBtu of actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

o. Emission Limitations:

0.87 ton of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit.

p. Emission Limitation:

0.0006 pound of SO<sub>2</sub>/mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution

Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO<sub>2</sub> per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

q. Emission Limitations:

0.093 ton of SO<sub>2</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.0006 pound SO<sub>2</sub> per mmBtu), by the maximum fuel heat input rate (35.8 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

r. Emission Limitation:

0.0054 pound of VOC/mmBtu of actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pound of VOC per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and Method 25 or 25A of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

s. Emission Limitations:

0.84 ton of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.0054 pound VOC per mmBtu), by the maximum fuel heat input rate (35.8 mmBtu per hour),

and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) **Miscellaneous Requirements**

- (1) Should any coating formulations cause a nuisance odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]



**11. K023, Topcoat**

**Operations, Property and/or Equipment Description:**

Topcoat with 2 natural gas infrared flash tunnels and 2 indirect fired drying ovens with an actual heat input capacity of 24.2 mmBtu per hour each, TNAP

- 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
	two automotive topcoat booths with waterwash filtration, using waterborne basecoat and solvent-borne clearcoat, with control by regenerative thermal oxidizer (RTO) on the two clearcoat drying ovens	
a.	OAC rule 3745-31-05(A)(3) (PTI 04-1102 issued 10/27/99)	the emissions from this emissions unit shall not exceed 66.9 tons of particulate emissions equal to 10 microns or less in diameter (PM10) as a rolling, 12-month summation  visible particulate emissions from the stack(s) serving this emissions unit shall not exceed 5% opacity as a 6-minute average  see b)(2)a. through b)(2)c.
b.	OAC rules 3745-31-10 through 20 (PTI 04-1102 issued 10/27/99)	the emissions from this emissions unit shall not exceed: 15.3 pounds of PM10 per hour, 8.63 pounds of volatile organic compounds (VOC) per gallon of applied coating solids on a monthly basis, and 768.68 tons of VOC as a rolling, 12-month summation
c.	OAC rule 3745-17-07(A)(1)	see b)(2)d.
d.	OAC rule 3745-17-11(C)(1),(C)(2)	see b)(2)e.
e.	OAC rule 3745-21-09(C)(1)(c)	emissions of VOC from this emissions unit shall not exceed 2.8 pounds of VOC



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>per gallon of coating, excluding water and exempt solvents, or 15.1 pounds VOC per gallon of deposited solids on a daily basis</p> <p>see b)(2)f.</p>
f.	40 CFR Part 60, Subpart A (60.1 through 60.19)	see b)(2)g.
g.	<p>40 CFR Part 60, Subpart MM (60.390 through 60.398)</p> <p>In accordance with 40 CFR 63.390(a), this emissions unit is an automobile or light-duty truck assembly plant topcoat coat operation subject to the emission limitations/control measures specified in this section.</p>	<p>in accordance with 60.392(c), the emissions of VOC from this emissions unit shall not exceed 1.47 kilograms of VOC per liter (12.3 pounds of VOC per gallon) of applied coating solids on a monthly basis</p> <p>see b)(2)f.</p>
h.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)h.
i.	<p>40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)</p> <p>In accordance with 40 CFR 63.3081(b), this emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.</p>	<p>see b)(2)i.</p> <p>[63.3091(a)]</p>
j.	<p>40 CFR Part 64 (64.1 through 64.10)</p> <p>This unit is subject to an emission limitation for a regulated air pollutant, uses a control device to achieve compliance and has pre-control emissions greater than 100 tons per year.</p>	<p>The permittee shall implement a compliance assurance monitoring (CAM) program consistent with the monitoring, and recordkeeping provisions of this permit.</p>
<p>two natural gas infrared flash tunnels and two indirect fired, drying ovens at 22.2 mmBtu per hour each; combustion emissions</p>		
k.	OAC rule 3745-31-05(A)(3) (PTI 04-1102 issued 9/6/05)	<p>the combined emissions from the oven combustion stacks serving this emissions unit shall not exceed:</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		0.083 pound of carbon monoxide (CO) per mmBtu of actual heat input; 16.2 tons of CO per rolling, 12-month period; 0.100 pound of nitrogen oxides (NOx) per mmBtu of actual heat input; 19.5 tons of NOx per rolling, 12-month period; 0.0056 pound of particulate matter less than or equal to 10 microns in diameter (PM10) per mmBtu of actual heat input; 1.1 tons of PM10 per rolling, 12-month period; 0.0006 pound of sulfur dioxide (SO2) per mmBtu of actual heat input; 0.12 ton of SO2 per rolling, 12-month period; 0.0054 pound of volatile organic compounds (VOC) per mmBtu of actual heat input; 1.1 tons of VOC per rolling, 12-month period; and 5% opacity as a 6-minute average from each oven combustion stack.  see b)(2)j.
l.	OAC rule 3745-17-07(A)(1)	visible particulate emissions from this emissions unit shall not exceed 20 percent opacity as a six-minute average
m.	OAC rule 3745-17-10(B)(1)	particulate emissions (PE) from the oven combustion stack(s) shall not exceed 0.020 pound per million Btu of actual heat input
n.	OAC rule 3745-18-06(A)	see b)(2)k.
o.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)l.
p.	40 CFR Part 63, Subpart DDDDD (63.7480 through 63.7575)  In accordance with 40 CFR 63.7485, this emissions unit is a process heater located at a facility which is a major source of hazardous air pollutants (HAPs) subject to the emission limitations/control measures specified in this section.	See b)(2)m.

## (2) Additional Terms and Conditions

- a. The permittee shall operate and maintain a thermal incinerator, with a 100 percent capture efficiency and a minimum of 95 percent control efficiency, to control VOC emissions from the drying oven. The thermal incinerator shall be operated and maintained in accordance with the manufacturer's recommendations.
- b. In order to maintain compliance with the applicable VOC emission limitation(s), the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit controlled by the thermal oxidizer is in operation, shall not be below the average temperature measured during the most recent performance test that demonstrated the emissions unit was in compliance.
- c. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 20 and 40 CFR Part 60, Subpart MM.
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- e. The permittee shall control the particulate emissions (PE) from the coating operations of emissions unit with a waterwash particulate filter, or equivalent, and shall comply with the work practice requirements of OAC rule 3745-17-11(C)(2)(a) through (g).
- f. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rules 3745-31-10 through 20.
- g. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- h. Table 2 to Subpart IIII of 40 CFR Part 63 provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- i. The combined organic hazardous air pollutant (HAP) emissions from electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 40 CFR 63.3082(c), shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 63.3161;

or

if each individual material added to the electrodeposition primer system contains no more than 1.0 percent by weight of any organic HAP and 0.10 percent by

weight of any organic HAP, or the emissions from all bake ovens used to cure electrodeposition primers are captured and ducted to a control device having a destruction efficiency of at least 95 percent, the combined organic HAP emissions from primer-surfacer, topcoat, final repair, glass bonding primer, and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, used in coating operations added to the affected source pursuant to 63.3082(c) shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month, determined according to the requirements in 63.3171.

- j. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- k. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

- l. Table 10 to 40 Part 63 Subpart DDDDD provides applicability provisions, definitions, and other general provisions of 40 CFR Part 63, Subpart A that are applicable to 40 CFR Part 63, Subpart DDDDD.
- m. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

## c) Operational Restrictions

- (1) The permittee shall operate the waterwash system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the waterwash system in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

In the event the waterwash system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the incinerator is in operation as a VOC control device for compliance purposes, shall not be below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (3) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (4) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (5) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (6) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the waterwash system, along with documentation of any modifications deemed necessary by the permittee. These documents shall be

maintained at the facility and shall be made available to the Toledo Division of Environmental Services upon request.

The permittee shall conduct periodic inspections of the waterwash system to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the waterwash system while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

The permittee shall document each inspection (periodic and annual) of the waterwash system and shall maintain the following information:

- a. the date of the inspection;
- b. a description of each/any problem identified and the date it was corrected;
- c. a description of any maintenance and repairs performed; and
- d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

The permittee shall maintain records that document any time periods when the waterwash system was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC 3745-21-09(C)(4), the permittee shall maintain daily records for the topcoat process that will enable the permittee to calculate the VOC emission rate in order to demonstrate compliance with the emissions limitation identified in OAC rule 3745-21-09(C)(1)(c) for the topcoat process in accordance with the USEPA's Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light Duty Truck Topcoat Operations (EPA-45-/3-88-028, Dec. 1988) and any subsequent revisions thereof. The permittee shall calculate and record the VOC emission rates for the topcoat operation in pounds of VOC per gallon of coating, excluding water and exempt solvents, or in pounds of VOC per gallon of deposited solids

on a daily basis, using the overall capture and control efficiency for the control equipment, as determined during the most recent emissions test that demonstrated the emission unit was in compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the firebox of the thermal incinerator when the incinerator is in operation. Each temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications, with any modifications deemed necessary by the permittee and approved by the Toledo Division of Environmental Services. The device shall have an accuracy of the greater of 0.75 percent of the temperature being measured expressed in degrees Celsius or 4.0 Fahrenheit degrees. Each temperature measurement device shall be equipped with a recording device so that a permanent record is produced. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall collect and record the following information for each month for the coating line and control equipment to demonstrate compliance with the VOC limitations of OAC rule 3745-31-10 through 20:
- a. the name and identification number of each coating, as applied;
  - b. the mass of VOC per volume of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
  - c. the monthly volume-weighted average VOC content (in mass of VOC per volume of applied coating solids) of all the coatings;
  - d. the calculated, controlled VOC emission rate, in mass of VOC per volume of applied coating solids. The controlled VOC emission rate shall be calculated using the daily volume-weighted VOC content and the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - e. the calculated, controlled VOC emissions, in tons of VOC per month and tons of VOC per rolling, 12-month period.
  - f. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.



For purposes of compliance with the requirements of OAC rule 3745-31-10 through 20, alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 64 - Compliance Assurance Monitoring, including the following sections:

Table with 2 columns: Requirement ID and Description. Rows include 64.3 Monitoring design criteria and 64.9 Recordkeeping requirements.

(Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1))

- (9) The company provided approach to CAM involves two different indicators for each of the control devices, as provided in the following table.

Table with 3 columns: Indicator, Temperature Monitoring, Burner Inspection/Repair. Row 1: Indicator, Two thermocouples (1 located at the inlet duct, 1 located inside the combustion chamber) will be used to obtain temperature data on a continuous basis, per the...



Table with 3 columns: Parameter, Description, and Frequency/Notes. Rows include Indicator Range, QA/QC Practices, Monitoring frequency, Data Collection Procedure, and Averaging Period.

(Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1))

- (10) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as issued September 8, 2005: d)(1) through d)(8). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify any daily record showing that the water wash system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall notify the Director (Toledo Division of Environmental Services) of any daily record during which the calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating, excluding water and exempt solvents, or pounds of VOC per gallon of deposited solids on a daily basis exceeded the emissions limitation specified in OAC rule 3745-21-09(C)(1)(c), and the actual VOC emission rate for each such day. The notification shall include a copy of such record and shall be sent to the Director (Toledo Division of Environmental Services) within 45 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance. If no such periods of deviation occur, the permittee shall submit a negative report.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the monthly pounds of VOC per gallon of applied coating solids exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period exceeded the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.



[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (9) See 40 CFR Part 60, Subpart MM (60.390 through 60.398).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (10) See 40 CFR Part 63, Subpart IIII (63.3080 through 63.3176).

[Authority for term: OAC rule 3745-77-07(C)(1)] The permittee shall submit semiannual reports and other such notifications and reports via the air services component of the Ohio EPA's eBusiness Center as are required pursuant to 40 CFR Part 64 - Compliance Assurance Monitoring, including the following sections:

Table with 2 columns: Reporting requirements and description. Row 1: 64.9 Reporting requirements, The permittee shall submit semiannual reports identifying any deviation from the CAM compliance requirements of d)(6). These reports shall include, at a minimum, the information required under 40 CFR 64.9(a) for all oven exhaust VOC emission related systems.

- (11) (Authority for term: 40 CFR Part 64 and OAC rule 3745-77-07(C)(1)) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1)through e)(10). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average.
20% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.020 pound PE per mmBtu actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternatively, other U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

15.3 pounds of PM10 per hour from the paint booth and curing oven (RTO) stacks.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

66.9 tons of PM10 as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the short term emission limitation (15.3 pounds of PM10 per hour), by the maximum annual hours of operation (8,760 hours) and then divide by 2,000 pounds per ton.

e. Emission Limitation:

emissions of VOC from this emissions unit shall not exceed 2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents, or 15.1 pounds VOC per gallon of deposited solids on a daily basis.

Applicable Compliance Method:

Compliance shall be demonstrated pursuant to the methods and procedures set forth in the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", EPA-450-3-88-018, dated December 1988, and any subsequent revision approved by the USEPA and the State of Ohio Environmental Protection Agency, as provided in OAC rule 3745-21-09(C)(4).

f. Emission Limitation:

1.47 kilograms of VOC per liter (12.3 pounds of VOC per gallon) of applied coating solids on a monthly basis.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 60.393 for determining the monthly volume-weighted average mass of VOC emitted per volume of applied solids.

g. Emission Limitation:

8.63 pounds of VOC per gallon of applied coating solids on a monthly basis.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 60.393 for determining the monthly volume-weighted average mass of VOC emitted per volume of applied solids. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

h. Emission Limitation:

768.68 tons of volatile organic compounds (VOC) as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the record keeping requirements of d)(4)e.

i. Emission Limitation:

100 percent capture efficiency and a minimum of 95 percent control efficiency from the RTO.

Applicable Compliance Method:

If required, the permittee shall perform additional emission tests, conducted in accordance with USEPA Method 25 of 40 CFR Part 60, Appendix A, USEPA Methods 204 through 204F of 40 CFR Part 51, Appendix M, and the methods

and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

j. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3161.

k. Emission Limitation:

combined HAP emissions shall not exceed 0.132 kg/liter (1.10 lb/gal) of coating solids deposited during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3171.

l. Emission Limitation:

0.083 pound of CO per mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 84 pounds of CO per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

m. Emission Limitations:

16.2 tons of CO per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.083 pound per

mmBtu), by the maximum fuel heat input rate (44.4 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

n. Emission Limitation:

0.100 pound of NO<sub>x</sub> per mmBtu of actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 100 pounds of NO<sub>x</sub> per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

o. Emission Limitations:

19.5 tons of NO<sub>x</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.100 pound of NO<sub>x</sub> per mmBtu), by the maximum fuel heat input rate (44.4 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

p. Emission Limitation:

0.0056 pound of PM<sub>10</sub> per mmBtu of actual heat input.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

q. Emission Limitations:

1.1 tons of PM<sub>10</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit.

r. Emission Limitation:

0.0006 pound of SO<sub>2</sub>/mmBtu actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO<sub>2</sub> per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

s. Emission Limitations:

0.12 ton of SO<sub>2</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.0006 pound SO<sub>2</sub> per mmBtu), by the maximum fuel heat input rate (44.4 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

t. Emission Limitation:

0.0054 pound of VOC/mmBtu of actual heat input.

Applicable Compliance Method:

This emissions limitation was developed based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pound of VOC per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 4 and Method 25 or 25A of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC

rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

u. Emission Limitations:

1.1 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. This emissions limitation was developed based on calculations performed as follows: multiply the technical emission limitation (0.0054 pound VOC per mmBtu), by the maximum fuel heat input rate (44.4 mmBtu per hour), and by the maximum annual hours of operation (8,760 hours), and then divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

- (3) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. the emission testing shall be conducted within 6 months prior to permit expiration;
  - b. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services;
  - c. the capture efficiency (i.e., the percent of total VOC which enters the control device) shall be determined in accordance with the test methods and procedures specified in 40 CFR Part 60.393. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services;
  - d. the control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in 40 CFR Part 60.393. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services;

- e. the permittee shall collect and record the 3-hour average combustion temperature within the thermal incinerator during testing; and
- f. the permittee shall collect and record monitoring parameters established to demonstrate that the emissions unit is in compliance with the 100 percent capture efficiency requirement when the incinerator is in operation as a control device for VOC compliance purposes.

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

Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) **Miscellaneous Requirements**

- (1) Should any coating formulations cause a nuisance odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]



12. K024, Low bake repair with Spovens

Operations, Property and/or Equipment Description:

Low bake repair: 8 clean shop stations and two spovens (combination spray booth and electric oven) with a dry particulate filter control system, off line low bake repair with Spoven 1 and 2 at TNAP

- 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) g)(1).
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.

Table with 3 columns: Row ID, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. It contains three rows (a, b, c) detailing specific rules and their corresponding emission limits.

d.	OAC rule 3745-17-07(B)(1)	visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average
e.	OAC rules 3745-17-08(B), (B)(3)	see b)(2)d.
f.	OAC rule 3745-17-11(B)(1)	particulate emissions (PE) from each stack shall not exceed 0.551 pound of per hour
g.	OAC rule 3745-17-11(C)(1), (C)(2)	see b)(2)e. and b)(2)f.
h.	OAC rule 3745-21-09(C)(1)(d)	the emissions of VOC from uncontrolled final repair coating lines shall not exceed 4.8 pounds per gallon of coating, excluding water and exempt solvents.
i.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)g.
j.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs.	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 40 CFR 63.3161  see b)(2)h.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d) and OAC rules 3745-31-10 through 20.
- b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. The permittee shall employ reasonably available control measures on all repair operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to the installation of fabric filtration systems with adequate enclosure to contain, capture and control the fugitive dust. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of b)(1)f. the permittee shall comply with the following:

The permittee shall control the particulate emissions (PE) from this emissions unit with a dry particulate filter, or equivalent, and shall comply with the work practice requirements of OAC rule 3745-17-11(C)(2)(a) through (g).

- f. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, then these emissions limitations/control measures no longer apply; b)(1)f., c)(1), d)(1) and f)(1)c.
- g. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- h. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.

c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system(s) whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of c)(1) the permittee shall comply with the following:

- a. The permittee shall operate the dry filtration system(s) for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), (2)(b)]

- b. In the event a particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

[Authority for term: OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when a dry filtration system was not in service when the associated emissions source was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of d)(1) the permittee shall comply with the following:

- a. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Toledo Division of Environmental Services upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

- b. The permittee shall conduct periodic inspections of the dry particulate filter(s) to determine whether it is (they are) operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- c. In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- d. The permittee shall document each inspection (periodic and annual) of the dry particulate filter system(s) and shall maintain the following information:

- i. the date of the inspection;
- ii. a description of each/any problem identified and the date it was corrected;
- iii. a description of any maintenance and repairs performed; and
- iv. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were

completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d), (f)]

- e. The permittee shall maintain records that document any time periods when a dry particulate filter was not in service when the associated emissions source(s) was/were in operation, as well as, a record of all operations during which a dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), (f), (g)]

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) When using complying coatings (i.e., each coating contains a maximum of 4.8 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;
  - a. the name and identification number of each coating, as applied, and
  - b. VOC content (excluding water and exempt solvents) of each coating, as applied,

[Authority for term: OAC rule 3745-17-11(B)(2)(f) and OAC rule 3745-17-11(C)(1)]

- (4) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;
  - a. the name and identification number of each coating, as applied,
  - b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
  - c. the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-17-11(C)(1) and OAC rule 3745-17-11(B)(2)(h)]

- (5) The permittee shall collect and record the following information each month for the purpose of determining the annual VOC emissions:
  - a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;

- c. the number of gallons (excluding water and exempt solvents) of each coating employed;
- d. the total number of gallons (excluding water and exempt solvents) of all coatings employed, calculated as a summation of the quantities recorded in (c) above;
- e. the total VOC emissions from all coatings employed, in tons per month; and
- f. the rolling 12-month summation of VOC emissions from all coatings employed, in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(1) through d)(3), d)(5) and d)(6). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that a dry filtration system was not in service when the associated emissions source(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of e)(1) the permittee shall comply with the following:

The permittee shall submit deviation (excursion) reports that identify any daily record showing that a dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions source(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C)]

- (3) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy

of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (4) When demonstrating compliance through a daily volume weighted average VOC content, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (5) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period exceeded the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (8) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (9) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(8). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]



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% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

20% opacity as a 3-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

0.551 pound PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) \times (1-TE) \times (1-CE)$$

where:

E = particulate emission rate (as PE in pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment - If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with methods 1 through 5 of 40 CFR Part 40, Appendix A, and the procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

0.551 pound of PM10 per hour

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

e. Emission Limitation:

2.4 tons of PM10 as a rolling, 12-month summation

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the short term emission limitation (0.551 pound of PM10 per hour), by the maximum annual hours of operation (8,760 hours) and then divide by 2,000 pounds per ton.

f. Emission Limitation:

4.8 pounds per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of OAC rule 3745-21-09(B)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

28 tons of volatile organic compounds (VOC) as a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the record keeping requirements of d)(5)f.

h. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 63.3161 for determining the monthly volume-weighted average mass of HAPs emitted per volume of applied solids.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) Should any coating formulations cause a nuisance odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01102]



13. K027, Blackout

Operations, Property and/or Equipment Description:

Automotive blackout spray painting, air dried with dry fabric filter, TNAP t

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) g)(1)

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.

Table with 3 columns: Row ID, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. It contains three rows (a, b, c) detailing specific rules and emission limits for different units.

d.	OAC rule 3745-17-11(B)(1)	particulate emissions (PE) from each spray painting operation shall not exceed 0.63 pound per hour
e.	OAC rule 3745-17-11(C)(1), (C)(2)	see b)(2)c. and b)(2)d.
f.	OAC rule 3745-21-09(U)(1)(i)	see b)(2)b.
g.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)e.
h.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs.	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 40 CFR 63.3161  see b)(2)f.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 20 and OAC rule 3745-21-09(C)(1)(d).
- 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. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of b)(1)d. the permittee shall comply with the following:  
  
The permittee shall control the particulate emissions (PE) from this emissions unit with a dry particulate filter, or equivalent, and shall comply with the work practice requirements of OAC rule 3745-17-11(C)(2)(a) through (g).
- d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, then these emissions limitations/control measures no longer apply; b)(1)d., c)(1), d)(1) and f)(1)b.
- e. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- f. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.

## c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of c)(1) the permittee shall comply with the following:

- a. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), (2)(b)]

- b. In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

[Authority for term: OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of d)(1) the permittee shall comply with the following:

- a. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Toledo Division of Environmental Services upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

- b. The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the

manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- c. In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- d. The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
- i. the date of the inspection;
  - ii. a description of each/any problem identified and the date it was corrected;
  - iii. a description of any maintenance and repairs performed; and
  - iv. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d), (f)]

- e. The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), (f), (g)]

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) When using complying coatings (i.e., each coating contains a maximum of 2.0 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;
- a. the name and identification number of each coating, as applied, and

- b. VOC content (excluding water and exempt solvents) of each coating, as applied,  
[Authority for term: OAC rule 3745-17-11(B)(2)(f) and OAC rule 3745-17-11(C)(1)]
- (4) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;
- a. the name and identification number of each coating, as applied,
- b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
- c. the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-17-11(C)(1) and OAC rule 3745-17-11(B)(2)(h)]

- (5) The permittee shall collect and record the following information each month for the purpose of determining the annual VOC emissions:
- a. the name and identification number of each coating, as applied;
- b. the VOC content of each coating (excluding water and exempt solvents), as applied;
- c. the number of gallons (excluding water and exempt solvents) of each coating employed;
- d. the total number of gallons (excluding water and exempt solvents) of all coatings employed, calculated as a summation of the quantities recorded in (c) above;
- e. the total VOC emissions from all coatings employed, in tons per month; and
- f. the rolling 12-month summation of VOC emissions from all coatings employed, in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(1) through d)(3), d)(5) and d)(6). The monitoring and record

keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of e)(1) the permittee shall comply with the following:

The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C)]

- (3) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (4) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (5) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period exceeded the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the

Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (8) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (9) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(8). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average

**Applicable Compliance Method:**

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. **Emission Limitation:**

0.63 pound PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) \times (1-TE) \times (1-CE)$$

where:

E = particulate emission rate (as PE in pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment - If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with methods 1 through 5 of 40 CFR Part 40, Appendix A, and the procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

0.63 pound of PM10 per hour

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

2.8 tons of PM10 as a rolling, 12-month summation

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the short term emission limitation (0.63 pound of PM10 per hour), by the maximum annual hours of operation (8,760 hours) and then divide by 2,000 pounds per ton.

e. Emission Limitation:

2.0 pounds per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of OAC rule 3745-21-09(B)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

f. Emission Limitation:

54 tons of volatile organic compounds (VOC) as a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the record keeping requirements of d)(5)f.

g. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 63.3161 for determining the monthly volume-weighted average mass of HAPs emitted per volume of applied solids.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) Should any coating formulations cause a nuisance odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-01102]



**14. K029, Interior touch-up**

**Operations, Property and/or Equipment Description:**

Interior touchup with dry fabric filtration, TNAP

- 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 04-01102 modified 9/8/05)	the emissions from this emissions unit shall not exceed 5.6 tons of volatile organic compounds (VOC) as a rolling, 12-month summation  visible particulate emissions from any stack(s) serving this emissions unit shall not exceed 5% opacity as a 6-minute average  see b)(2)a.
b.	OAC rules 3745-31-10 through 20 (PTI 04-01102 modified 9/8/05)	see b)(2)b.
c.	OAC rule 3745-17-07(A)(1)	see b)(2)c.
d.	OAC rule 3745-17-11(B)(1)	particulate emissions (PE) from each spray painting operation shall not exceed 0.551 pound of per hour
e.	OAC rule 3745-17-11(C)(1), (C)(2)	see b)(2)d. and b)(2)e.
f.	OAC rule 3745-21-09(C)(1)(d)	the discharge of VOC into the ambient air from this emissions unit shall not exceed 4.8 pounds per gallon of coating, excluding water and exempt solvents.
g.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)f.
h.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon)



Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Row 1: automobile, or new light-duty truck, surface coating operation... of coating solids deposited during each month... see b)(2)g.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d) and OAC rules 3745-31-10 through 20.
b. The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-09(C)(1)(d).
c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of b)(1)d. the permittee shall comply with the following:
The permittee shall control the particulate emissions (PE) from this emissions unit with a dry particulate filter, or equivalent, and shall comply with the work practice requirements of OAC rule 3745-17-11(C)(2)(a) through (g).
e. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes.
f. Table 2 to Subpart III of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
g. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart III as it appears in B. Facility-wide Terms and Conditions of this permit.

c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of c)(1) the permittee shall comply with the following:

- a. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), (2)(b)]

- b. In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of d)(1) the permittee shall comply with the following:

- a. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Toledo Division of Environmental Services upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

- b. The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- c. In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- d. The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
- i. the date of the inspection;
  - ii. a description of each/any problem identified and the date it was corrected;
  - iii. a description of any maintenance and repairs performed; and
  - iv. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d), (f)]

- e. The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), (f), (g)]

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) When using complying coatings (i.e., each coating contains a maximum of 2.0 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;
- a. the name and identification number of each coating, as applied, and
  - b. VOC content (excluding water and exempt solvents) of each coating, as applied,

[Authority for term: OAC rule 3745-17-11(B)(2)(f) and OAC rule 3745-17-11(C)(1)]

- (4) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;

- a. the name and identification number of each coating, as applied,
- b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
- c. the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-17-11(C)(1) and OAC rule 3745-17-11(B)(2)(h)]

- (5) The permittee shall collect and record the following information each month for the purpose of determining the annual VOC emissions:
  - a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;
  - c. the number of gallons (excluding water and exempt solvents) of each coating employed;
  - d. the total number of gallons (excluding water and exempt solvents) of all coatings employed, calculated as a summation of the quantities recorded in (c) above;
  - e. the total VOC emissions from all coatings employed, in tons per month; and
  - f. the rolling 12-month summation of VOC emissions from all coatings employed, in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(1) through d)(3), d)(5) and d)(6). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of e)(1) the permittee shall comply with the following:

The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C)]

- (3) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (4) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (5) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period exceeded the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]



- (7) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (8) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (9) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(8). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.551 pound PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) \times (1-TE) \times (1-CE)$$

where:

E = particulate emission rate (as PE in pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment - If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with methods 1 through 5 of 40 CFR Part 40, Appendix A, and the procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

4.8 pounds per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of OAC rule 3745-21-09(B)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

5.6 tons of volatile organic compounds (VOC) as a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the record keeping requirements of d)(5)f.

e. Emission Limitation:

combined HAP emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month.

Applicable Compliance Method:

The permittee shall use the procedures in 40 CFR Part 63.3161 for determining the monthly volume-weighted average mass of HAPs emitted per volume of applied solids.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



15. K401, OffLine Repair Booth

Operations, Property and/or Equipment Description:

Automotive off-line repair in open areas with light sanding, brush-on coating, manual spray painting and portable electric infrared curing, with dry filtration, Supplier Park

- 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.

Table with 3 columns: Emissions Unit ID, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include details for units a through f, such as OAC rule 3745-31-05(A)(3) and various PM10 and VOC limits.



Table with 3 columns: Rule/Requirement, Applicable Emissions Limitations/Control Measures. Rows g through k detailing various rules and their corresponding emission limits and control measures.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(d), OAC rules 3745-31-10 through 27 and 40 CFR Part 63, Subparts A and IIII.
b. The permittee shall allow no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.
c. The permittee shall employ best available control measures on all repair operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable fugitive dust requirements.
d. All of the operations comprising this emissions unit that generate particulate emissions shall be enclosed and all particulate emissions shall be exhausted through a particulate control system providing a minimum 98% overall control efficiency.
e. The combined emission from the sanding and coating in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 1.85 tons of PM10 per rolling, 12-month period.

- f. The annual emissions limitations represent the maximum potential to emit of this emissions unit at a production limitation of 200,064 jobs per rolling 12-month period as made federally enforceable in K303 of permit to install 04-01358.
  - g. The combined emission from the coating operations in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 16.5 tons of VOC per rolling, 12-month period.
  - h. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).
  - i. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
  - j. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B), (B)(3).
  - k. Any surface coating process with a permit-to-install issued after January 1, 1990 that identifies particulate emission limitations and control measures based on best available technology, best available control technology, or the lowest achievable emission rate shall comply with such limitations and measures instead of paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11.
  - l. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.
  - m. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
  - n. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- c) Operational Restrictions
- (1) All of the operations comprising this emissions unit that generate particulate emissions shall be enclosed and all particulate emissions shall be exhausted through a dry filtration system.  
  
[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]
  - (2) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the respective emissions source is in operation  
  
[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any periods when the dry filtration system was not in service when the respective emissions source was in operation.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (2) When using complying coatings (i.e., each coating contains a maximum of 4.8 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;

- a. the name and identification number of each coating, as applied, and
- b. VOC content (excluding water and exempt solvents) of each coating, as applied.

[Authority for term: OAC rule 3745-21-09(B)(3)(f) and OAC rule 3745-77-07(A)(1)]

- (3) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;

- a. the name and identification number of each coating, as applied,
- b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
- c. the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-21-09(B)(3)(h) and OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall collect and record the following information on a monthly basis for the coatings employed in K401 through K407:

- a. the name and identification number of each coating, as applied;
- b. the VOC content of each coating (excluding water and exempt solvents), as applied;
- c. the number of gallons (excluding water and exempt solvents) of each coating employed;
- d. the total VOC emissions from all coatings employed, in tons per month;
- e. the rolling 12-month summation of VOC emissions, from all repair operations (K401 through K407), in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified November 29, 2007: d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service when the respective emissions source was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (3) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period for all coatings employed in all repair operations (K401 through K407) exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit. Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (7) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average.

**Applicable Compliance Method:**

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. **Emission Limitation:**

no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.

**Applicable Compliance Method:**

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix

A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

0.551 pound of PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) (1-TE) (1-CE)$$

where:

E = particulate emission rate (pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment. If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10).

d. Emission Limitation:

2.4 tons of PE per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.551 pound of PE per hour) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly emissions limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

98% control of particulate emissions.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M using the methods and procedures specified in OAC rule 3745-17-03(B)(10)(b). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

f. Emission Limitation:

1.6 pounds of PM10 per hour.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.0185 pound PM10 per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of PM10 per job, in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

1.85 tons of PM10 per year.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0185 pound of PM10 per job).

h. Emission Limitation:

4.8 pounds of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of d)(2) or d)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

i. Emission Limitation:

12 pounds VOC per hour

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.14 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

j. Emission Limitation:

14 tons of VOC per year

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.14 pound VOC per job)

(2) Compliance with the combined emission limitation(s) for the final repair coating line, K401 through K407, shall be determined in accordance with the following method(s):

a. Emission Limitation:

The combined emissions from sanding and coating for the final repair coating line, K401 through K407, shall not exceed 1.85 tons of PM10 per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number 0448011731) and a company supplied emissions factor (0.0185 pound of PM10 per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of PM10 per job, in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

The combined emission from the final repair coating line, K401 through K407, shall not exceed 16.5 tons of VOC per rolling, 12-month period.

## Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(4). This emissions limitation was based on a company supplied emissions factor of 0.165 pound of VOC per production job and a maximum production rate of 200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number 0448011731.

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 11, 2007: f)(1) and f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## g) Miscellaneous Requirements

- (1) None.



16. K407, Clean Shop Repair

Operations, Property and/or Equipment Description:

Automotive clean shop repair with control by dry filtration, Supplier Park

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.

Table with 3 columns: Row Label, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, OAC rules 3745-31-21 through 27, OAC rule 3745-17-07(A)(1), OAC rule 3745-17-07(B)(1), and OAC rule 3745-17-08(B), (B)(3).



Table with 3 columns: ID (g-k), Reference (OAC rule or CFR Part), and Description (emissions limits and conditions).

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(d), OAC rules 3745-31-10 through 27 and 40 CFR Part 63, Subparts A and IIII.
b. The permittee shall allow no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.
c. The permittee shall employ best available control measures on all repair operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable fugitive dust requirements.
d. All of the operations comprising this emissions unit that generate particulate emissions shall be enclosed and all particulate emissions shall be exhausted through a particulate control system providing a minimum 98% overall control efficiency.
e. The combined emission from the sanding and coating in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 1.85 tons of PM10 per rolling, 12-month period.
f. The annual emissions limitations represent the maximum potential to emit of this emissions unit at a production limitation of 200,064 jobs per rolling 12-month period as made federally enforceable in K303 of permit to install 04-01358.

- g. The combined emission from the coating operations in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 16.5 tons of VOC per rolling, 12-month period.
  - h. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).
  - i. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
  - j. Any surface coating process with a permit-to-install issued after January 1, 1990 that identifies particulate emission limitations and control measures based on best available technology, best available control technology, or the lowest achievable emission rate shall comply with such limitations and measures instead of paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11.
  - k. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.
  - l. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
  - m. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- c) **Operational Restrictions**
- (1) All of the operations comprising this emissions unit that generate particulate emissions shall be enclosed and all particulate emissions shall be exhausted through a dry filtration system.  
[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]
  - (2) The permittee shall operate the dry filtration system for the control of particulate emissions whenever the respective emissions source is in operation  
[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall maintain daily records that document any periods when the dry filtration system was not in service when the respective emissions source was in operation.  
[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (2) When using complying coatings (i.e., each coating contains a maximum of 4.8 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;
- the name and identification number of each coating, as applied, and
  - VOC content (excluding water and exempt solvents) of each coating, as applied.

[Authority for term: OAC rule 3745-21-09(B)(3)(f) and OAC rule 3745-77-07(A)(1)]

- (3) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;
- the name and identification number of each coating, as applied,
  - VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
  - the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-21-09(B)(3)(h) and OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall collect and record the following information on a monthly basis for the coatings employed in K401 through K407:
- the name and identification number of each coating, as applied;
  - the VOC content of each coating (excluding water and exempt solvents), as applied;
  - the number of gallons (excluding water and exempt solvents) of each coating employed;
  - the total VOC emissions from all coatings employed, in tons per month;
  - the rolling 12-month summation of VOC emissions, from all repair operations (K401 through K407), in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified November 29, 2007: d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service when the respective emissions source was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (3) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period for all coatings employed in all repair operations (K401 through K407) exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]



- (6) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (7) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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% opacity as a 6-minute average.

**Applicable Compliance Method:**

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

- b. **Emission Limitation:**

no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.

**Applicable Compliance Method:**

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

## c. Emission Limitation:

0.551 pound of PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) (1-TE) (1-CE)$$

where:

E = particulate emission rate (pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment. If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10).

## d. Emission Limitation:

2.4 tons of PE per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.551 pound of PE per hour) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly emissions limitation, compliance shall also be shown with the annual emission limitation.

## e. Emission Limitation:

98% control of particulate emissions.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services



f. Emission Limitation:

1.6 pounds of PM10 per hour.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.0185 pound PM10 per job).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

1.85 tons of PM10 per year.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0185 pound of PM10 per job).

h. Emission Limitation:

4.8 pounds of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of d)(2) or d)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

i. Emission Limitation:

0.40 pound VOC per hour

Applicable Compliance Method:

j. Emission Limitation:

0.5 ton of VOC per year

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0048 pound VOC per job)



[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Compliance with the combined emission limitation(s) for the final repair coating line, K401 through K407, shall be determined in accordance with the following method(s):

a. Emission Limitation:

The combined emissions from sanding and coating for the final repair coating line, K401 through K407, shall not exceed 1.85 tons of PM10 per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number 0448011731) and a company supplied emissions factor (0.0185 pound of PM10 per job).

b. Emission Limitation:

The combined emission from the final repair coating line, K401 through K407, shall not exceed 16.5 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(4). This emissions limitation was based on a company supplied emissions factor of 0.165 pound of VOC per production job and a maximum production rate of 200,064 jobs per rolling, 12-month period made enforceable by the permit restrictions of emissions unit K303, Ohio EPA premise number 0448011731.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 11, 2007: f)(1) and f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



17. K409, K409 Windshield Fluid Fill

Operations, Property and/or Equipment Description:

windshield wiper fluid and anti-freeze fill operations with control by appropriate work practices, Supplier Park

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3) (PTI 04-01359 as modified 5/3/07) | see b)(2)a. Row b: OAC rules 3745-31-21 through 27 | the combined emissions from all emissions points comprising this emissions unit shall not exceed: 0.33 pound of volatile organic compounds (VOC) per hour, and 0.4 ton VOC as a rolling, 12-month summation | see b)(2)b. and b)(2)c.

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-21 through 27.

b. The hourly emissions limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with this limitation.

c. The annual emissions limitation represents the maximum potential to emit of this emissions unit at a production limitation of 200,064 jobs per rolling 12-month period as made federally enforceable in K303 of permit to install 04-01358. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with this limitation.



c) Operational Restrictions

- (1) The permittee shall employ appropriate work practices, such as minimizing exposure time by proper dispenser design, and appropriate filling techniques. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 04-01359]

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 Limitation:

0.33 pound of VOC per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.0040 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.4 ton of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0040 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60,

Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 11, 2007: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



18. P007, Non-Production maint.material spraybth cleaning & purge

Operations, Property and/or Equipment Description:

Non-production maintenance materials, spray booth cleaning and purge, TNAP

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) e)(1).

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rules, 40 CFR Part 63, and a narrative description of the emissions unit.

(2) Additional Terms and Conditions

a. The permittee shall employ only appropriate solvent dispensers, disposal containers and booth cleaning techniques appropriate to minimize evaporation in this emissions unit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.



c. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for all non-production maintenance material operations:

- a. the company identification for each non-production maintenance material employed;
- b. the number of gallons of each non-production maintenance material employed;
- c. the VOC content of each non-production maintenance material, in pounds per gallon excluding water and exempt solvents; and,
- d. the monthly emissions of VOC and the rolling, 12-month summation of the monthly VOC emissions.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-1102]

(2) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as modified September 8, 2005: d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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

514.18 tons VOC per year, as a rolling, 12-month total.

Applicable Compliance Method

Compliance shall be demonstrated through the record keeping requirements of d)(1), and the methods and procedures of OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC content. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular non-production maintenance material, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-1102]

- g) Miscellaneous Requirements
  - (1) None.



19. P008, Sealers and Adhesives

Operations, Property and/or Equipment Description:

Automotive sealers and adhesives, with control by appropriate work practices, TNAP

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.

Table with 3 columns: Row Label, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rule 3745-31-05(D), OAC rule 3745-31-10 thru 20, OAC rule 3745-21-09(U)(1)(d), and OAC rule 3745-21-09(U)(1)(g).



Table with 3 columns: ID (h, i), Description (40 CFR Part 63, Subpart A/III, etc.), and Details (see b)(2)c, In accordance with 40 CFR 63.3091(c)...

(2) Additional Terms and Conditions

- a. The permittee shall employ only dispensers and disposal containers appropriate to minimize exposure times in this emissions unit.
b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(i) and OAC rule 3745-21-09(U)(1)(g).
c. Table 2 to Subpart III of 40 CFR Part 63, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.

c) Operational Restrictions

- (1) The maximum sealer and adhesive usage at this emissions unit shall be limited by the following formula, calculated as a rolling, 12-month summation:

55.06 tons VOC ≥ Σ(SA\_i)(VOC\_i) ÷ (2000 pounds/ton)

Where:

SA\_i = usage of sealer and/or adhesive material i, gallons
VOC\_i = volatile organic compound content of material i, pounds per gallon

The permittee has sufficient existing records to demonstrate compliance with this limitation during the first twelve months of operation after issuance of this permit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) See 40 CFR Part 63, Subpart III (40 CFR 63.3080-3176).

[Authority for term: OAC rule 3745-77-07(A)(1)]

## d) Monitoring and/or Recordkeeping Requirements

(1) Having chosen the use of compliant coatings for purposes of compliance with the emissions limitation for material applied to metallic surfaces (3.5 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record on a monthly basis the following information:

- a. the name and identification number of each sealer and adhesive applied to metallic surfaces; and
- b. the VOC content, excluding water and exempt solvents, of each sealer and adhesive applied to metallic surfaces.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(2) Having chosen the use of compliant coatings for purposes of compliance for purposes of compliance with the emissions limitation for glass adhesion body primers (4.9 pounds VOC per gallon, excluding water and exempt solvents) the permittee shall collect and record on a monthly basis the following information:

- a. the name and identification number of each glass adhesion body primer utilized; and
- b. the VOC content, excluding water and exempt solvents, of each glass adhesion body primer utilized.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(3) For purposes of compliance with the emissions limitation for sealers and adhesives (0.5 pound of VOC per gallon, excluding water and exempt solvents, on a monthly basis), the permittee shall collect and record the following information each month for this emissions unit:

- a. When using complying coatings for all sealers and adhesives:
  - i. the name and identification number of each sealer and adhesive, as applied; and
  - ii. the VOC content, excluding water and exempt solvents, of each sealer and adhesive, as applied.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

- b. When calculating a monthly volume-weighted average VOC content for the sealers and adhesives;
  - i. the name and identification number of each sealer and adhesive, as applied;

- ii. the VOC content, excluding water and exempt solvents, and the number of gallons, excluding water and exempt solvents, of each sealer and adhesive, as applied; and
- iii. the volume-weighted average VOC content of all sealer and adhesive, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) For purposes of compliance with the rolling, 12-month VOC emissions limitation for sealers and adhesives (55.06 tons), the permittee shall collect and record on a monthly basis the following information for all sealer and adhesive operations:
- a. the company identification for each sealer and adhesive utilized;
  - b. the number of gallons of each sealer and adhesive utilized,  $SA_i$ ;
  - c. the volatile organic compound content of each sealer and adhesive utilized, in pounds per gallon,  $VOC_i$ ;
  - d. the total VOC emissions from all sealers and adhesives utilized, in tons;  $\sum_{i=1}^n (SA_i)(VOC_i) \div (2000 \text{ pounds/ton})$ ; and
  - e. the rolling, 12-month total quantity of VOC emissions, in tons.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) See 40 CFR Part 63, Subpart IIII (40 CFR 63.3080-3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

- (1) The permittee shall notify the Director (the Toledo Division of Environmental Services) of any monthly record showing the use of a sealer or adhesive in this emissions unit and applied to metallic surfaces which exceeded 3.5 pounds VOC per gallon, excluding water and exempt solvents. The notification shall include a copy of such record and shall be submitted within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall notify the Director (the Toledo Division of Environmental Services) of any monthly record showing the use of a glass adhesion body primer which exceeded 4.9 pounds VOC per gallon, excluding water and exempt solvents. The notification shall include a copy of such record and shall be submitted within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record showing an exceedance of the 0.5 pound of VOC per gallon, excluding water and exempt solvents, emissions limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record showing that the VOC emissions from all sealants and adhesives utilized in this emissions unit exceed 55.06 tons per rolling, 12-month period.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) See 40 CFR Part 63, Subpart IIII (40 CFR 63.3080-3176).

[Authority for term: OAC rule 3745-77-07(C)(1)]

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:

0.5 pound of VOC per gallon, excluding water and exempt solvents

Applicable Compliance Method :

Compliance shall be determined through the monitoring and record keeping requirements of d)(4).

If, required, compliance shall be determined through the methods and procedures of OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC content. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular non-production maintenance material, the permittee shall notify the Administrator of the USEPA and shall use formulation

data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

3.5 pounds of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(2).

If required, compliance shall be determined through the methods and procedures of OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC content. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular non-production maintenance material, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

4.9 pounds of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(3).

If required, compliance shall be determined through the methods and procedures of OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC content. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular non-production maintenance material, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

55.06 tons VOC per rolling 12-month period.

Applicable Compliance Method :

Compliance shall be determined through the monitoring and record keeping requirements of d)(5).

e. Emission Limitation:

0.010 kg/kg (lb/lb) of adhesive and sealer material used during each month.

Applicable Compliance Method:

Compliance with the mass average organic HAP content for each compliance period shall be determined according to the methods and procedures of 40 CFR 63.3151.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.



20. P009, Misc. Solvents and Cleaners Application

Operations, Property and/or Equipment Description:

Miscellaneous solvents, solvent body wipes and use of other solvents applied to metallic surfaces, not associated with a permitted source, TNAP

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Rows include OAC rules, 40 CFR Part 63, and a narrative description of the emissions unit.

(2) Additional Terms and Conditions

a. The permittee shall employ only dispensers and disposal containers appropriate to minimize exposure times. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 20.

- c. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
  - d. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following information each month for all operations utilizing miscellaneous solvents and solvent body wipes applied to metallic surfaces:
    - a. the company identification for each material employed;
    - b. the unit quantity of each material employed;
    - c. the organic compound content of each material, in pounds unit quantity, excluding water and exempt solvents; and
    - d. the monthly emissions of VOC and the rolling, 12-month summation of the monthly emissions.
- Alternate, equivalent recordkeeping methods may be used upon written approval by the Toledo Division of Environmental Services.
- [Authority for term: OAC rule 3745-77-07(C)(1)]
- (2) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.
- [Authority for term: OAC rule 3745-77-07(C)(1)]
- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: d)(1) and d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.
- [Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify records showing that the emissions of VOC from this emissions unit exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-1102]

- (2) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as last modified on September 8 2005: e)(1) through e)(4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

52.28 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(1)e. and the methods and procedures of OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC

content. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular non-production maintenance material, the permittee shall notify the Administrator of the USEPA and shall use formulation data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as last modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



21. P010, Plant-Wide Misc. Solvents and Cleaners Application

Operations, Property and/or Equipment Description:

Miscellaneous solvents, plant-wide use of solvents and cleaners which are being applied to non-metallic surfaces and are not associated with a permitted source, TNAP

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rules, 40 CFR Part 63, and a narrative description of the emissions unit.

(2) Additional Terms and Conditions

a. The permittee shall employ only dispensers and disposal containers appropriate to minimize exposure times. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 20.

- c. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
  - d. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following information each month for all operations utilizing solvents and cleaners which are being applied to non-metallic surfaces and are not associated with a permitted source:
    - a. the company identification for each material employed;
    - b. the unit quantity of each material employed;
    - c. the volatile organic compound content of each material, in pounds per unit quantity, excluding water and exempt solvents; and
    - d. the monthly emissions of VOC and the rolling, 12-month summation of the monthly emissions.
- Alternate, equivalent recordkeeping methods may be used upon written approval by the Toledo Division of Environmental Services.
- (2) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.  
[Authority for term: OAC rule 3745-77-07(C)(1)]
  - (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: d)(1) through d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.  
[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify records showing that the rolling 12-month emissions of VOC from this emissions unit exceed the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 04-1102]

- (2) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: e)(2) through e)(4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## 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:

5.1 tons of VOC per year.

Applicable Compliance Method

Compliance shall be determined through the monitoring and record keeping requirements of d)(1) and the methods and procedures of OAC rule 3745-21-10(B) and (C). USEPA Methods 24 and 24A shall be used to determine the VOC

content. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular solvent or cleaner which is being applied to non-metallic surfaces and is not associated with a permitted source (i.e., non-production maintenance material), the permittee shall notify the Administrator of the USEPA and shall use formulation data for that non-production maintenance material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as last modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



22. P011, BIW Inspection and Grinding

Operations, Property and/or Equipment Description:

Body in white (BIW) inspection and grinding with the building enclosure utilized as control, TNAP

- 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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, OAC rule 3745-17-07(B)(1), and OAC rule 3745-17-08(B), (B)(3).

- (2) Additional Terms and Conditions
a. The permittee shall employ best available control measures on all grinding operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements.
b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and OAC rules 3745-31-10 through 20.
c. Visible emissions of fugitive dust shall not exceed 20 percent opacity, except for a period of time not to exceed three minutes during any 60-minute observation period.

- d. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B), (B)(3).
- c) Operational Restrictions
  - (1) None.
- 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 emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed from any points of capture and/or the stack, the permittee shall also note the following in the operations log:
    - a. the location and color of the emissions;
    - b. the total duration of any visible emissions incident; and
    - c. any corrective actions taken to eliminate the visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1)]
  - (2) For emission points for which the daily checks show emissions that are representative of normal operation for 30 consecutive operating days, the required frequency of visible emissions checks may be reduced to weekly (once per week, when the emissions unit is in operation). If a subsequent check of such emission point by the permittee or an Ohio EPA inspector indicates abnormal emissions, the frequency of emissions checks shall revert to daily for that emission point until such time as there are 30 consecutive operating days of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1)]
  - (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: d)(1) and d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]
- e) Reporting Requirements
  - (1) The permittee shall submit quarterly deviation (excursion) reports that identify:

- a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and
- b. any corrective actions taken eliminate the visible emissions.

The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation

0.48 pound PM10 per hour.

Applicable Compliance Method

This emissions limitation was established based on a company supplied emissions factor (0.48 pound PM10 per hour).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

2.1 tons of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable particulate emission limitation (0.48 pound per hour) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as last modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



23. P012, Finish welding

Operations, Property and/or Equipment Description:

Finish welding, TNAP

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, OAC rule 3745-17-07(B)(1), and OAC rule 3745-17-08(B), (B)(3).

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all grinding operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to utilize adequate enclosure to contain, capture and control the fugitive dust. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and OAC rules 3745-31-10 through 20.

c. Visible emissions of fugitive dust shall not exceed 20 percent opacity, except for a period of time not to exceed three minutes during any 60-minute observation period.

- d. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B), (B)(3).
- c) Operational Restrictions
- (1) None.
- 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 emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed from any points of capture and/or the stack, the permittee shall also note the following in the operations log:
    - a. the location and color of the emissions;
    - b. the total duration of any visible emissions incident; and
    - c. any corrective actions taken to eliminate the visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1)]
  - (2) For emission points for which the daily checks show emissions that are representative of normal operation for 30 consecutive operating days, the required frequency of visible emissions checks may be reduced to weekly (once per week, when the emissions unit is in operation). If a subsequent check of such emission point by the permittee or an Ohio EPA inspector indicates abnormal emissions, the frequency of emissions checks shall revert to daily for that emission point until such time as there are 30 consecutive operating days of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1)]
  - (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: d)(1) and d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]



e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and
  - b. any corrective actions taken eliminate the visible emissions.

The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as last modified on September 8, 2005: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation

0.56 pound PM10 per hour.

Applicable Compliance Method

This emissions limitation was established based on a company supplied emissions factor (0.56 pound PM10 per hour).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

2.4 tons of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable particulate emission limitation (0.56 pound per hour) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102 as last modified September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



**24. P401, P401 - Window Installation**

**Operations, Property and/or Equipment Description:**

Window installation with control by appropriate work practices, Supplier Park

- 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
all window installation operations		
a.	OAC rule 3745-31-05(A)(3) (PTI 04-01359 as modified 5/3/07)	the emissions of volatile organic compounds (VOC) from this emissions unit shall not exceed 8.2 pounds per hour  see b)(2)a. through b)(2)c.
b.	OAC rules 3745-31-21 through 27 (PTI 04-01359 as modified 5/3/07)	see b)(2)d. and b)(2)e.
c.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)f.
d.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs.	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 40 CFR 63.3161  see b)(2)g.
glass adhesion body primers		
e.	OAC rule 3745-21-09(U)(1)(g)	see b)(2)h.
sealers, glass primers and cleaning solvents		
g.	OAC rule 3745-21-09(U)(1)(i)	see b)(2)i.



(2) Additional Terms and Conditions

- a. The permittee shall employ appropriate work practices, such as minimizing exposure time by proper dispenser and disposal container design, and appropriate cleaning techniques to minimize exposure times.
- b. The hourly emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- c. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(U)(1)(g),(i), OAC rules 3745-31-21 through 27, 40 CFR Part 63, Subpart A and 40 CFR Part 63, Subpart IIII.
- d. The monthly volume weighted average emissions from all sealers and primers utilized in this emissions unit shall not exceed 0.4 pound of VOC per gallon, minus water and exempt solvents.
- e. The combined emissions from all sealers and primers utilized in this emissions unit shall not exceed 10.0 tons of VOC per rolling, 12-month period.
- f. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- g. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- h. For all glass adhesion body primers, the emissions shall not exceed 4.9 pound volatile organic compounds (VOC) per gallon, minus water and exempt solvents.
- i. For all sealers applied to metallic surfaces: the emissions shall not exceed 3.0 pounds of VOC per gallon, minus water and exempt solvents.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) When using complying coatings for all sealers applied to metallic surfaces: (i.e., each coating contains a maximum of 3.0 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit:
  - a. the name and identification number of each sealer applied to metallic surfaces, as applied; and
  - b. VOC content (excluding water and exempt solvents) of each sealer applied to metallic surfaces, as applied.

[Note: When coating substrates with both metallic and non-metallic surfaces, the number of gallons applied may be determined by multiplying the actual number of gallons applied by the relative rate of sealer application to metallic substrates determined above.]

[Authority for term: OAC rule 3745-21-09(B)(3)(f) and OAC rule 3745-77-07(C)(1)]

- (2) When calculating a daily volume weighted average VOC content for all sealers applied to metallic surfaces, the permittee shall collect and record the following information each day for this emissions unit:
- a. the name and identification number of each sealer applied to metallic surfaces, as applied;
  - b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each sealer applied to metallic surfaces, as applied; and
  - c. the volume weighted average VOC content of all sealers applied to metallic surfaces, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-21-09(B)(3)(h) and OAC rule 3745-77-07(C)(1)]

- (3) When using complying coatings for all glass adhesion body primers (i.e., each coating contains a maximum of 4.9 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit:
- a. the name and identification number of each glass adhesion body primer, as applied; and
  - b. VOC content (excluding water and exempt solvents) of each glass adhesion body primer, as applied.

[Authority for term: OAC rule 3745-21-09(B)(3)(f) and OAC rule 3745-77-07(C)(1)]

- (4) When calculating a daily volume weighted average VOC content for all glass adhesion body primers, the permittee shall collect and record the following information each day for this emissions unit:
- a. the name and identification number of each glass adhesion body primer, as applied;
  - b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each glass adhesion body primer, as applied; and

- c. the volume weighted average VOC content of all glass adhesion body primers, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-21-09(B)(3)(h) and OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall collect and record the following information for each month for all window installation operations:
  - a. the company identification for each sealer and primer utilized;
  - b. the number of gallons of each sealer and primer utilized;
  - c. the organic compound content of each sealer and primer utilized, in pounds per gallon, minus water and exempt solvents;
  - d. the monthly volume weighted average emissions from all sealers and primers utilized in this emissions unit, in pounds of VOC per gallon, minus water and exempt solvents;
  - e. the total VOC emissions from all sealers and primers utilized, in pounds or tons; and
  - f. the rolling, 12-month total quantity of VOC emissions, in tons.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified May 3, 2007: d)(1) through d)(7). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

## e) Reporting Requirements

- (1) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying materials. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (2) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the monthly volume weighted average emissions from all sealers and primers utilized in this emissions unit exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that include any monthly record showing that the emissions unit exceeds the applicable rolling, 12-month VOC emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (7) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01359 as modified May 3, 2007: e)(1) through e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:**

0.4 pound of VOC per gallon, excluding water and exempt solvents, as a monthly volume weighted average.

**Applicable Compliance Method:**

Compliance shall be determined through the monitoring and record keeping requirements of d)(6).

If required, compliance shall be demonstrated by an evaluation performed in accordance with OAC rule 3745-21-10(B) using the methods and procedures specified in USEPA Reference Method 24 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. **Emission Limitation:**

8.2 pounds of VOC per hour.

**Applicable Compliance Method:**

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.10 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. **Emission Limitation:**

10.0 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.10 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

For all sealers applied to metallic surfaces: 3.0 pounds of VOC per gallon as a daily volume weighted average minus water and exempt solvents.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(2) and d)(3).

If required, compliance shall be demonstrated by an evaluation performed in accordance with OAC rule 3745-21-10(B) using the methods and procedures specified in USEPA Reference Method 24 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

e. Emission Limitation:

4.9 pound volatile organic compounds (VOC) per gallon minus water and exempt solvents, as a daily volume weighted average.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(4) and d)(5).

If required, compliance shall be demonstrated by an evaluation performed in accordance with OAC rule 3745-21-10(B) using the methods and procedures specified in USEPA Reference Method 24 of 40 CFR Part 60, Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified May 3, 2007: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this



operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



25. P402, P402 - Miscellaneous Solvents

Operations, Property and/or Equipment Description:

Miscellaneous Solvents with control by appropriate work practices, Supplier Park

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Rows include OAC rules 3745-31-05(A)(3), 3745-31-21 through 27, 40 CFR Part 63 Subpart A, and 40 CFR Part 63 Subpart III.

(2) Additional Terms and Conditions

a. The permittee shall employ appropriate work practices, such as minimizing exposure time by proper dispenser and disposal container design, and appropriate cleaning techniques to minimize exposure times.

b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-21 through 27, 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart III.

- c. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
  - d. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following information monthly for the purpose of determining compliance with rolling, 12-month VOC emission limitation:
    - a. the name and identification number of each solvent utilized;
    - b. the VOC content and the number of gallons of each solvent utilized,
    - c. the total VOC emissions from all solvents utilized, in pounds or tons, and
    - d. the rolling, 12-month total quantity of VOC emissions, in tons.

Alternate, equivalent record keeping methods may be used upon written approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified May 3, 2007: d)(1) and d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]



e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that include any monthly record showing that the emissions unit exceeds the rolling, 12-month VOC emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01359 as modified May 3, 2007: e)(1) and e)(4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

7.0 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined through the monitoring and record keeping requirements of d)(1).

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.07 pound VOC per job). If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified May 3, 2007: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.



**26. Emissions Unit Group -10.52 mmBtu/hr NG heaters: B020,B022,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
B020	10.52 mmBtu per hour natural gas-fired makeup air heater (ASH 1-8), TNAP
B022	10.52 mmBtu per hour natural gas-fired makeup air heater (ASH 2-8), TNAP

- 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.

	<b>Applicable Rules/Requirements</b>	<b>Applicable Emissions Limitations/Control Measures</b>
a.	OAC rule 3745-31-05(A)(3) (PTI 04-01102 modified 9/8/05)	emissions from each emissions unit shall not exceed: 0.02 pound per mmBtu and 0.93 ton of carbon monoxide (CO) per rolling, 12-month period; 4.6 tons of nitrogen oxides (NOx) per rolling, 12-month period; and 0.24 ton of volatile organic compounds (VOC) per rolling, 12-month period  see b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-10 through 20	emissions from each emissions unit shall not exceed: 0.1 pound NOx per mmBtu; and 0.0052 pound VOC per mmBtu  see b)(2)a.
c.	OAC rule 3745-17-07(A)(1)	see b)(2)c.
d.	OAC rule 3745-17-11(B)(1)	see b)(2)d.
e.	OAC rule 3745-18-06(A)	see b)(2)e.

- (2) Additional Terms and Conditions
  - a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore,

it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.

- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 through 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

c) **Operational Restrictions**

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

0.93 ton of CO per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.020 pound of CO per mmBtu by the maximum heat input capacity of 10.52 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

4.6 tons of NO<sub>x</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NO<sub>x</sub> per mmBtu by the maximum heat input capacity of 10.52 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.24 ton of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 10.52 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

- g) Miscellaneous Requirements
  - (1) None.

**27. Emissions Unit Group -12.02 mmBtu/hr dir fired NG heat:  
B011,B014,B016,B017,B019,B028,B031,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
B011	12.02 mmBtu per hour natural gas-fired makeup air heater (ASH 1-2), TNAP
B014	12.02 mmBtu per hour natural gas-fired makeup air heater (ASH 2-3), TNAP
B016	12.02 mmBtu per hour natural gas-fired makeup air heater (ASH 1-5), TNAP
B017	12.02 mmBtu per hour natural gas-fired makeup air heater (ASH 2-5), TNAP
B019	12.02 mmBtu per hour natural gas-fired makeup air heater (ASH 2-2), TNAP
B028	12.02 mmBtu per hour natural gas, direct-fired air makeup unit (ASH E), TNAP
B031	12.02 mmBtu per hour natural gas, direct-fired air space heater (ASH J), TNAP

- 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 04-01102 modified 9/8/05)	emissions from each emissions unit shall not exceed; 0.02 pound per mmBtu and 1.1 tons of carbon monoxide (CO) per rolling, 12-month period; 5.3 tons of nitrogen oxides (NOx) per rolling, 12-month period; and 0.28 ton of volatile organic compounds (VOC) per rolling, 12-month period  see b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-10 through 20	emissions from each emissions unit shall not exceed: 0.1 pound NOx per mmBtu; and 0.0052 pound VOC per mmBtu  see b)(2)a.
c.	OAC rule 3745-17-07(A)(1)	see b)(2)c.
d.	OAC rule 3745-17-11(B)(1)	see b)(2)d.
e.	OAC rule 3745-18-06(A)	see b)(2)e.

(2) Additional Terms and Conditions

- a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 through 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

1.1 tons of CO per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.020 pound of CO per mmBtu by the maximum heat input capacity of 12.02 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

5.3 tons of NOx per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NOx per mmBtu by the maximum heat input capacity of 12.02 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.28 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 12.02 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in

**Draft Title V Permit**

Chrysler Group LLC - Toledo North Assembly

**Permit Number:** P0088135

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the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

(1) None.

**28. Emissions Unit Group -13.53 MMBtu/hr NG heaters: B018,B021,B026,B027,**

EU ID	Operations, Property and/or Equipment Description
B018	13.53 mmBtu per hour natural gas-fired makeup air heater (ASH 1-6), TNAP
B021	13.53 mmBtu per hour natural gas-fired makeup air heater (ASH 2-6), TNAP
B026	13.53 mmBtu per hour natural gas-fired makeup air heater (ASH B), TNAP
B027	13.53 mmBtu per hour natural gas-fired makeup air heater (ASH C), TNAP

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 04-01102 modified 9/8/05)	emissions from each emissions unit shall not exceed: 0.02 pound per mmBtu and 1.2 tons of carbon monoxide (CO) per rolling, 12-month period; 6.0 tons of nitrogen oxides (NOx) per rolling, 12-month period; and 0.31 ton of volatile organic compounds per rolling, 12-month period <i>0.51 typo in B018</i> see b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-10 through 20	emissions from each emissions unit shall not exceed: 0.1 pound NOx per mmBtu; and 0.0052 pound VOC per mmBtu.  see b)(2)a.
c.	OAC rule 3745-17-07(A)(1)	see b)(2)c.
d.	OAC rule 3745-17-11(B)(1)	see b)(2)d.
e.	OAC rule 3745-18-06(A)	see b)(2)e.

(2) Additional Terms and Conditions

- a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 through 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

1.2 tons of CO per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.020 pound of CO per mmBtu by the maximum heat input capacity of 13.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

6.0 tons of NO<sub>x</sub> per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NO<sub>x</sub> per mmBtu by the maximum heat input capacity of 13.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.31 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 13.53 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in

**Draft Title V Permit**

Chrysler Group LLC - Toledo North Assembly

**Permit Number:** P0088135

**Facility ID:** 0448010414

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[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

(1) None.

**29. Emissions Unit Group -15.03 mmBtu/hr dir fired NG heat: B012,B013,B015,B023,B024,B025,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
B012	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH 1-3), TNAP
B013	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH 1-4), TNAP
B015	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH 2-4), TNAP
B023	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH 1-10), TNAP
B024	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH 2-10), TNAP
B025	15.03 mmBtu per hour natural gas-fired makeup air heater (ASH A), TNAP

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 04-01102 modified 9/8/05)	emissions from each emissions unit shall not exceed: 0.02 pound per mmBtu and 1.4 tons of carbon monoxide (CO) per rolling, 12-month period; 6.6 tons of nitrogen oxides (NOx) per rolling, 12-month period; and 0.35 ton of volatile organic compounds (VOC) per rolling, 12-month period  see b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-10 through 20	emissions from each emissions unit shall not exceed: 0.1 pound NOx per mmBtu; and 0.0052 pound VOC per mmBtu  see b)(2)a.
c.	OAC rule 3745-17-07(A)(1)	see b)(2)c.
d.	OAC rule 3745-17-11(B)(1)	see b)(2)d.
e.	OAC rule 3745-18-06(A)	see b)(2)e.

(2) Additional Terms and Conditions

- a. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A) and 3745-31-10 through 20.
- c. Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a six-minute average.
- d. For purposes of this applicable regulation, the weights of gaseous fuels and combustion air are not considered to be part of the weight of materials introduced to a process. Table I of the Appendix to OAC rule 3745-17-11 does not establish a particulate emission limitation for a process weight rate of zero.
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, issued on September 8, 2005: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, issued on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

b. Emission Limitation:

0.02 pound CO per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 20 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

c. Emission Limitation:

1.4 tons of CO per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.020 pound of CO per mmBtu by the maximum heat input capacity of 15.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

d. Emission Limitation:

0.1 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 100 pounds of NOx emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

6.6 tons of NO<sub>x</sub> per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.1 pound of NO<sub>x</sub> per mmBtu by the maximum heat input capacity of 15.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.0052 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA FIRE software v6.24, as follows: divide the emission factor of 5.3 pounds of VOC emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

g. Emission Limitation:

0.35 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0052 pound of VOC per mmBtu by the maximum heat input capacity of 15.03 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, issued on September 8, 2005: f)(1). The testing requirements contained in

**Draft Title V Permit**

Chrysler Group LLC - Toledo North Assembly

**Permit Number:** P0088135

**Facility ID:** 0448010414

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the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

(1) None.

**30. Emissions Unit Group -32.66 mmBtu/hr NG boilers: B008,B009,B010,**

EU ID	Operations, Property and/or Equipment Description
B008	32.66 mmBtu per hour natural gas-fired boiler; Hot water generator #1, TNAP
B009	32.66 mmBtu per hour natural gas-fired boiler; Hot water generator #2, TNAP
B010	32.66 mmBtu per hour natural gas-fired boiler; Hot water generator #3, TNAP

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 04-01102 modified 9/8/05)	emissions from the stack serving each emissions unit shall not exceed: 0.083 pound per mmBtu and 11.9 tons of carbon monoxide (CO) per rolling, 12-month period; 7.0 tons of nitrogen oxides (NOx) per rolling, 12-month period; 0.81 ton of particulate matter less than or equal to 10 microns in diameter (PM10) per rolling, 12-month period; 0.0006 pound per mmBtu and 0.09 ton of sulfur dioxide (SO2) per rolling, 12-month period; and 0.78 ton per year of volatile organic compounds (VOC).  see b)(2)a. through b)(2)c.
b.	OAC rule 3745-31-10 through 20 (PTI 04-01102 modified 9/8/05)	emissions from the stack serving each emissions unit shall not exceed: 0.049 pound NOx per mmBtu; 0.0056 pound PM10 per mmBtu; and 0.0054 pound VOC per mmBtu
c.	OAC rule 3745-17-07(A)(1)	see b)(2)d.
d.	OAC rule 3745-17-10(B)(1)	particulate emissions (PE) from the stack serving each emissions unit shall not exceed 0.020 pound per million Btu of

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		actual heat input
e.	OAC rule 3745-18-06(A)	see b)(2)e.
f.	40 CFR Part 60, Subpart A (40 CFR 60.01 through 60.19)	see b)(2)f. and b)(2)g.
g.	40 CFR Part 60, Subpart Dc (40 CFR 60.40c through 60.48c)	see b)(2)g. through b)(2)i.
h.	40 CFR Part 63, Subpart A (40 CFR 63.1 through 63.16)	see b)(2)j.
i.	40 CFR Part 63, Subpart DDDDD (63.7480 through 63.7575)  This emissions unit is a boiler located at a facility which is a major source of hazardous air pollutants (HAPs) subject to the emission limitations/control measures specified in this section.	see b)(2)k.

(2) Additional Terms and Conditions

- a. Visible particulate emissions from the stack serving this emissions unit shall not exceed five percent opacity as a six-minute average.
- b. These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- c. The requirements of this rule also include compliance with the requirements of OAC rules 3745-18-06(A), 3745-31-10 through 20, and 40 CFR Part 60 Subpart Dc.
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- e. OAC rule 3745-18-06(A) does not establish SO<sub>2</sub> emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emission unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

- f. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to emissions units affected by 40 CFR Part 60.
- g. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency (U.S. EPA), 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA).
- h. 40 CFR Part 60, Subpart Dc does not establish particulate matter or SO<sub>2</sub> emission limitations for this affected steam generating unit because the emissions unit employs only natural gas as fuel.
- i. In compliance with 40 CFR 60.48c(g)(2), the permittee shall record and maintain records of the amount of each fuel combusted during each calendar month.
- j. Table 10 to 40 Part 63 Subpart DDDDD provides applicability provisions, definitions, and other general provisions of 40 CFR Part 63, Subpart A that are applicable to 40 CFR Part 63, Subpart DDDDD.
- k. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

c) Operational Restrictions

- (1) The following term shall become void after USEPA approves the OAC rule 3745-18-06 revisions:

The permittee shall burn only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-18-06(A)]

- (2) The following term shall become effective after USEPA approves the OAC rule 3745-18-06 revisions:

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

[Authority for term: 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall record and maintain records of the amount of each fuel combusted in this emissions unit during each calendar month.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.48c(g)(2) and (i)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01102, as last modified on September 8, 2005: d)(1) and (d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102, as last modified on September 8, 2005: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

- (2) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:
- a. Emission Limitation:  
  
5% opacity as a 6-minute average.  
  
Applicable Compliance Method:  
  
If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
  
  - b. Emission Limitation:  
  
0.083 pound CO per mmBtu of heat input.  
  
Applicable Compliance Method:  
  
This emissions limitation was established based on based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 84 pounds of CO emissions per million standard cubic feet by a heating value of 1,020 Btu per standard cubic foot.  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
  
  - c. Emission Limitation:  
  
11.9 tons of CO per rolling, 12-month period.  
  
Applicable Compliance Method:  
  
This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.083 pound of CO per mmBtu by the maximum heat input capacity of 32.66 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.
  
  - d. Emission Limitation:  
  
0.049 pound of NOx per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 50 pounds of NO<sub>x</sub> emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emission Limitation:

7.0 tons of NO<sub>x</sub> per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.049 pound of NO<sub>x</sub> per mmBtu by the maximum heat input capacity of 32.66 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

f. Emission Limitation:

0.020 pound of PE per million Btu of actual heat input.

Applicable Compliance Method:

This applicable limitation is less than the emissions estimated based on calculations utilizing the emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A, using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

0.0056 pound of PM<sub>10</sub> per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.7 pounds of PM10 per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

h. Emission Limitation:

0.81 ton of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0056 pound of PM10 per mmBtu by the maximum heat input capacity of 32.66 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

i. Emission Limitation:

0.0006 pound of SO2 per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO2 emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

j. Emission Limitation:

0.09 ton of SO2 per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emission limitation of 0.0006 pound of SO<sub>2</sub> per mmBtu by the maximum heat input capacity of 32.66 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

k. Emission Limitation:

0.0054 pound of VOC per mmBtu of heat input.

Applicable Compliance Method:

This emissions limitation was established based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pounds of VOC emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

l. Emission Limitation:

0.78 ton of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit. Compliance may be demonstrated through calculations performed as follows: multiply the technical emissions limitation of 0.0054 pound of VOC per mmBtu by the maximum heat input capacity of 32.66 mmBtu per hour and by 8,760 hours per year and divide by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01102, as last modified on September 8, 2005: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

- g) Miscellaneous Requirements
  - (1) None.

**31. Emissions Unit Group -Automotive off-line repair booth: K008,K009,K010,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
K008	Clean Shop Booth #1, TNAP
K009	Clean Shop Booth #2, TNAP
K010	Clean Shop Booth #3, TNAP

- 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 04-747 issued 7/13/92)	the combined emissions of volatile organic compounds (VOC) from emissions units K008, K009, and K010 shall not exceed 38.4 pounds per day as a monthly average  see b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(D) (PTI 04-747 issued 7/13/92)	the combined emissions of VOC from emissions units K008, K009, and K010 shall not exceed 6.0 tons as a rolling, 12-month summation
c.	OAC rule 3745-17-07(A)(1)	visible particulate emissions from any stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by the rule
d.	OAC rule 3745-17-11(B)(1)	particulate emissions (PE) from the stack(s) serving this emissions unit shall not exceed 0.551 pound per hour
e.	OAC rule 3745-17-11(C)(1), (C)(2)	see b)(2)c. and b)(2)d.
f.	OAC rule 3745-21-09(C)(1)(d)	the emissions of VOC from uncontrolled final repair coating lines shall not exceed 4.8 pounds per gallon of coating, excluding water and exempt solvents

g.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)e.
h.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs.	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 40 CFR 63.3161  see b)(2)f.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).
- b. The permittee is not claiming any VOC emission reduction credits from the activated carbon filters utilized on this emissions unit.
- c. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of b)(1)d. the permittee shall comply with the following:  
  
The permittee shall control the particulate emissions (PE) from the coating operations of emissions unit with a dry filtration system, or equivalent, and shall comply with the work practice requirements of OAC rule 3745-17-11(C)(2)(a) through (g).
- d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These requirements shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan. Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, then these emission limitations/control measures no longer apply: b)(1)d., c)(1), d)(1), e)(1) and f)(1)b.
- e. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- f. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.

c) Operational Restrictions

- (1) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of c)(1) the permittee shall comply with the following:

- a. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), (2)(b)]

- b. In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (3) The permittee shall comply with the 4.8 pounds of VOC per gallon of coating emissions limitation by the exclusive use of compliance coatings, i.e., each coating utilized shall comply with the applicable emissions limitation as applied.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of d)(1) the permittee shall comply with the following:

- a. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Toledo Division of Environmental Services upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

- b. The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- c. In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- d. The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
  - i. the date of the inspection;
  - ii. a description of each/any problem identified and the date it was corrected;
  - iii. a description of any maintenance and repairs performed; and
  - iv. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d), (f)]

- e. The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), (f), (g)]

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall collect and record the following information each month for emissions units K008, K009 and K010 combined, for the purpose of determining average daily and annual VOC emissions:
- a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;
  - c. the number of gallons (excluding water and exempt solvents) of each coating employed;
  - d. the name and identification of each cleanup material employed;
  - e. the VOC content of each cleanup material, in pounds per gallon;
  - f. the number of gallons of each cleanup material employed;
  - g. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons;
  - h. the rolling 12-month summation of emissions from all coatings and cleanup materials employed, in tons per year;
  - i. the number of days in which one or more of the emissions units was in operation; and
  - j. the daily average VOC emissions rate for emissions units K008, K009 and K010 combined, (g)/(i), in pounds per day.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(f)]

- (4) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A and IIII.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-747 as issued July 13, 1992: d)(1) through (d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Once U.S. EPA approves the February 1, 2008 version of OAC rule 3745-17-11, in lieu of e)(1) the permittee shall comply with the following:

The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C)]

- (3) The permittee shall notify the Director (Toledo Division of Environmental Services) in writing of any monthly record showing the use of non-complying coatings. The notification shall include a copy of such record and shall be sent to the Director (Toledo Division of Environmental Services) within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (4) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the total pounds of VOC per day or the total tons of VOC per rolling, 12-month period for K008 through K010 exceeds the applicable limitations. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A and IIII. Unless other arrangements have been approved by the Director, copies of all notifications and reports shall also be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (7) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-747 as issued July 13, 1992: e)(1) through e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

20% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.551 pound PE per hour.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) \times (1-TE) \times (1-CE)$$

where:

E = particulate emission rate (as PE in pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment - If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with methods 1 through 5 of 40 CFR Part 40, Appendix A, and the procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

4.8 pounds VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of OAC rule 3745-21-09(B)(3); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

38.4 pounds per day of VOC as a monthly average for emissions units K008, K009, and K010, combined.

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the monitoring and record keeping requirements of d)(3).

e. Emission Limitation:

6.0 tons per year of VOC as a rolling, 12-month summation for emissions units K008, K009, and K010, combined.

Applicable Compliance Method:

Compliance with the emission limitation shall be demonstrated by the monitoring and record keeping requirements of d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-747 as issued July 13, 1992: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.

**32. Emissions Unit Group -Offline repair with spoven: K402,K403,**

EU ID	Operations, Property and/or Equipment Description
K402	Automotive off-line repair (low temperature bake) Spoven (combination spray booth and gas fired oven) with dry filtration, Supplier Park
K403	Automotive off-line repair (low temperature bake) Spoven (combination spray booth and gas fired oven) with dry filtration, Supplier Park

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
automotive off-line repair booth with dry filtration (spoven)		
a.	OAC rule 3745-31-05(A)(3) (PTI 04-01359 as modified 11/29/07)	the emissions from the spoven filter stack shall not exceed: 2.4 tons per year of particulate emissions (PE) from the stack, 1.85 tons per year of particulate matter equal to or less than 10 microns in diameter (PM10), 12 pounds per hour of volatile organic compounds (VOC), 14 tons of VOC per year, and 5% opacity as a 6-minute average from any stack  see b)(2)a. through and b)(2)c.
b.	OAC rules 3745-31-10 through 20 (PTI 04-01359 as modified 11/29/07)	the emissions from the spoven filter stack shall not exceed: 1.6 pounds per hour of PM10  see b)(2)c. through b)(2)e.
c.	OAC rules 3745-31-21 through 27 (PTI 04-01359 as modified 11/29/07)	see b)(2)e. through b)(2)g.

**Draft Title V Permit**

Chrysler Group LLC - Toledo North Assembly

**Permit Number:** P0088135

**Facility ID:** 0448010414

**Effective Date:** To be entered upon final issuance

d.	OAC rule 3745-17-07(A)(1)	see b)(2)h.
e.	OAC rule 3745-17-07(B)(1)	visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average
f.	OAC rules 3745-17-08(B), (B)(3)	see b)(2)i.
g.	OAC rule 3745-17-11(B)(1)	emissions shall not exceed 0.551 pound of PE per hour from the Spoven filter stack
h.	OAC rule 3745-17-11(C)(3)	see b)(2)j. and b)(2)k.
i.	OAC rule 3745-21-09(C)(1)(d)	the discharge of VOC into the ambient air from a final repair coating line shall not exceed 4.8 pounds per gallon of coating, excluding water and exempt solvents
j.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)l.
k.	40 CFR Part 63, Subpart IIII (63.3080 through 63.3176)  This emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs.	except as otherwise allowed, the combined organic hazardous air pollutant (HAP) emissions shall not exceed 0.072 kilogram per liter (0.60 pound per gallon) of coating solids deposited during each month, as determined according to the requirements in 63.3161  see b)(2)m.
indirect fired natural gas infrared oven with 5 mmBtu low NOx burner		
l.	OAC rule 3745-31-05(A)(3) (PTI 04-01359 as modified 11/29/07)	the emissions from the products of combustion shall not exceed: 0.083 pound of carbon monoxide (CO) per mmBtu, 0.42 pound of CO per hour, 1.9 tons of CO per year, 0.43 pound of nitrogen oxides (NOx) per hour, 1.9 tons of NOx per year, 0.0019 pound PE per mmBtu, 0.01 pound of PE per hour, 0.05 ton PE per year, 0.04 pound PM10 per hour, 0.17 ton PM10 per year, 0.0006 pound sulfur dioxide (SO2) per mmBtu, 0.01 pound of SO2 per hour, 0.05 ton SO2 per year, 0.03 pound of volatile organic compounds (VOC) per hour, 0.12 ton VOC per year, and 5% opacity as a 6-minute average see b)(2)n. and b)(2)o.

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m.	OAC rule 3745-31-05(C) (PTI 04-01359 as modified 11/29/07)	see b)(2)p.
n.	OAC rules 3745-31-10 through 20 (PTI 04-01359 as modified 11/29/07)	the emissions from the products of combustion shall not exceed: 0.085 pound NOx per mmBtu, and 0.0075 pound PM10 per mmBtu  see b)(2)q.
o.	OAC rules 3745-31-21 through 27 (PTI 04-01359 as modified 11/29/07)	the emissions from the products of combustion shall not exceed: 0.085 pound NOx per mmBtu, and 0.0054 pound VOC per mmBtu  see b)(2)r.
p.	OAC rule 3745-17-07(A)(1)	see b)(2)h.
q.	OAC rule 3745-17-10(B)(1)	see b)(2)h.
r.	OAC rule 3745-18-06(A)	see b)(2)s.
s.	40 CFR Part 63, Subpart A (63.1 through 63.16)	see b)(2)t.
t.	40 CFR Part 63, Subpart DDDDD (63.7480 through 63.7575)  In accordance with 40 CFR 63.7485, this emissions unit is a process heater located at a facility which is a major source of hazardous air pollutants (HAPs) subject to the emission limitations/control measures specified in this section.	See b)(2)u.
sanding station(s)		
u.	OAC rule 3745-31-05(A)(3) (PTI 04-01359 as modified 11/29/07)	the emissions from the sanding station(s) shall not exceed: 2.4 tons of PE per year, 1.85 tons of PM10 per year, and 5% opacity as a 6 minute average  see b)(2)b., b)(2)c. and b)(2)v.
v.	OAC rule 3745-31-10 through 20 (PTI 04-01359 as modified 11/29/07)	the emissions from the sanding station(s) shall not exceed 0.65 pound of PM10 per hour  see b)(2)b. through b)(2)e.
w.	OAC rule 3745-17-07(A)(1)	see b)(2)h.

x.	OAC rule 3745-17-07(B)(1)	see b)(2)h.
y.	OAC rule 3745-17-08(B), (B)(3)	see b)(2)i.
z.	OAC rule 3745-17-11(B)(1)	emissions shall not exceed 0.551 pound of PE per hour from the sanding station(s)
aa.	OAC rule 3745-17-11(C)(3)	see b)(2)j. and b)(2)k.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1), OAC rule 3745-21-09(C)(1)(d), OAC rules 3745-31-10 through 27 and 40 CFR Part 63, Subparts A and IIII.
- b. The permittee shall allow no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.
- c. All of the operations comprising this emissions unit that generate particulate emissions shall be enclosed and all particulate emissions shall be exhausted through a particulate control system providing a minimum 98% overall control efficiency.
- d. The combined emission from the sanding and coating in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 1.85 tons of PM10 per rolling, 12-month period.
- e. The annual emissions limitations represent the maximum potential to emit of this emissions unit at a production limitation of 200,064 jobs per rolling 12-month period as made federally enforceable in K303 of permit to install 04-01358.
- f. The combined emission from the coating operations in all repair operations located at the final assembly facility (K401 through K407) shall not exceed 16.5 tons of VOC per rolling, 12-month period.
- g. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- i. The permittee shall employ reasonably available control measures on all repair operations associated with this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable fugitive dust requirements. In accordance with the permittee's application, the permittee has committed to the installation of fabric filtration systems with adequate enclosure to contain, capture and control the fugitive dust. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- j. Any surface coating process with a permit-to-install issued after January 1, 1990 that identifies particulate emission limitations and control measures based on best available technology, best available control technology, or the lowest achievable emission rate shall comply with such limitations and measures instead of paragraphs (C)(1) and (C)(2) of OAC rule 3745-17-11.
- k. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.
- l. Table 2 to Subpart IIII of 40 CFR Part 63, as it appears in B. Facility-wide Terms and Conditions of this permit, provides applicability provisions, definitions, and other general provisions that are applicable to this emissions unit.
- m. The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII as it appears in B. Facility-wide Terms and Conditions of this permit.
- n. The requirements of this rule also include compliance with the requirements of OAC rule 3745-18-06(A), OAC rule 3745-31-05(C) and OAC rules 3745-31-10 through 27.
- o. These emission limitations were established for PTI purposes to reflect the potential to emit for this burner while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- p. The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed the following:
  - i. 11.56 tons of CO per rolling, 12-month period,
  - ii. 0.52 ton of PE per rolling, 12-month period, and
  - iii. 9.01 tons of SO<sub>2</sub> per rolling, 12-month period.
- q. The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed the following:
  - i. 12.44 tons of NO<sub>x</sub> per rolling, 12-month period, and
  - ii. 1.41 tons of PM<sub>10</sub> per rolling, 12-month period.
- r. The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed the following:

- i. 12.44 tons of NOx per rolling, 12-month period, and
  - ii. 0.74 ton of VOC per rolling, 12-month period.
- s. OAC rule 3745-18-06(A) does not establish sulfur dioxide emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emissions unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-18-06, the requirements still exists as part of the federally-approved SIP for Ohio.

- t. Table 10 to 40 Part 63 Subpart DDDDD provides applicability provisions, definitions, and other general provisions of 40 CFR Part 63, Subpart A that are applicable to 40 CFR Part 63, Subpart DDDDD.
- u. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.
- v. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1) and 3745-31-10 through 20.

c) **Operational Restrictions**

- (1) The permittee shall operate the dry filtration system(s) for the control of particulate emissions whenever the respective emissions source is in operation.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]

- (3) The maximum annual natural gas usage for B402 and K402 through K405 shall not exceed 258 mmscf of natural gas, based upon a rolling, 12-month summation of the natural gas usage figures.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(A)(1)]

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain daily records that document any periods when the dry filtration system(s) was not in service when the respective emissions source was in operation.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (2) 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.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall properly operate, and maintain equipment to monitor the total quantity of natural gas (in cubic feet) burned in all emissions units located at the final assembly facility. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s) with any amendments deemed necessary by the permittee.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall maintain monthly records of the total quantity of natural gas (in cubic feet per month) burned in all emissions units located at the final assembly facility (i.e., B402, and K402 through K405).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The permittee shall maintain monthly records of the rolling, 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in B402 and K402 through K405, calculated as a summation of the monthly total quantities recorded above.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (6) When using complying coatings (i.e., each coating contains a maximum of 4.8 pounds VOC per gallon, excluding water and exempt solvents), the permittee shall collect and record the following information each month for this emissions unit;

- a. the name and identification number of each coating, as applied, and
- b. VOC content (excluding water and exempt solvents) of each coating, as applied.

[Authority for term: OAC rule 3745-21-09(B)(3)(f) and OAC rule 3745-77-07(C)(1)]

- (7) When calculating a daily volume weighted average VOC content, the permittee shall collect and record the following information each day for this emissions unit;
- a. the name and identification number of each coating, as applied,
  - b. VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied, and
  - c. the volume weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for  $C_{VOC,2}$ .

The permittee shall notify the Toledo Division of Environmental Services, in advance, when daily averaging will be used instead of monthly record keeping.

[Authority for term: OAC rule 3745-21-09(B)(3)(h) and OAC rule 3745-77-07(C)(1)]

- (8) The permittee shall collect and record the following information on a monthly basis for the coatings employed in K401 through K407:
- a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;
  - c. the number of gallons (excluding water and exempt solvents) of each coating employed;
  - d. the total VOC emissions from all coatings employed, in tons per month;
  - e. the rolling 12-month summation of VOC emissions, from all repair operations (K401 through K407), in tons per year.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (9) The permittee shall comply with the applicable monitoring and recordkeeping requirements in 40 CFR Part 63, Subparts A, IIII and DDDDD.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (10) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 04-01359 as modified November 29, 2007: d)(3) through d)(9). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify any daily record showing that the dry particulate filter system was not in service when the respective emissions source was in operation.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit.

[Authority for term: PTI 04-01359 and OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of natural gas burned in B402 and K402 through K405 exceeded the 258 mmscf of natural gas operational restriction, and the actual cumulative quantity of fuel burned for each such month.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) When demonstrating compliance through the use of complying coatings, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Services within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(g)]

- (5) When demonstrating compliance by a daily volume weighted average VOC content, the permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(3)(i)]

- (6) The permittee shall submit quarterly deviation (excursion) reports that identify all records showing that the tons of VOC per rolling, 12-month period for all coatings employed in all repair operations (K401 through K407) exceeds the applicable limitation. The notification shall include a copy of such record.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (7) The permittee shall comply with the applicable reporting requirements in 40 CFR Part 63, Subparts A, IIII and DDDDD. Copies of these reports shall be submitted to the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (8) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-77-07(A)(3)(c)]

- (9) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (10) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 04-01102 as modified September 8, 2005: e)(3) through e)(9). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

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:

no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(3). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.551 pound of PE per hour from a spray painting operation.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) (1-TE) (1-CE)$$

where:

E = particulate emission rate (pounds per hour)

M = maximum coating solids usage rate (pounds per hour)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment. If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

0.551 pound of PE per hour from a sanding operation.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

2.4 tons of PE per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.551 pound of PE per hour) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly emissions limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

98% control of particulate emissions.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix

M using the methods and procedures specified in OAC rule 3745-17-03(B)(10)(b). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

f. Emission Limitation:

1.6 pounds of PM10 per hour from a spray painting operation.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.0185 pound PM10 per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of PM10 per job, in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

0.65 pound of PM10 per hour from a sanding operation.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

h. Emission Limitation:

1.85 tons of PM10 per year.

Applicable Compliance Method:

For the spray painting operation, this emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0185 pound PM10 per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of PM10 per job, in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

i. Emission Limitation:

4.8 pounds of VOC per gallon, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping and reporting requirements of d)(6) or d)(7); utilizing the methods and procedures of OAC rule 3745-21-10(B). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

j. Emission Limitation:

12 pounds VOC per hour

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs per hour) and a company supplied emissions factor (0.14 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

k. Emission Limitation:

14 tons of VOC per year

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.14 pound VOC per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

(2) Compliance with the combined emission limitation(s) for the combustion of fuel oil and natural gas in B402 and K402 through K405, shall be determined in accordance with the following method(s):

a. Emission Limitation:

0.083 pound of CO per mmBtu

Applicable Compliance Method:

This emissions limitation was established based on a an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per

standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

0.42 pound of CO per hour.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.083 pound of CO per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

1.9 tons of CO per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.083 pound of CO per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

d. Emission Limitation:

0.085 pound of NO<sub>x</sub> per mmBtu.

Applicable Compliance Method:

This emissions limitation was established based on a company supplied emissions factor (0.085 pound per mmBtu). AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98 provides an emission factor of 50 pounds of NO<sub>x</sub> per million standard cubic feet for small low NO<sub>x</sub> burners with a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1

through 4 and 7 of 40 CFR Part 60 Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services..

e. Emission Limitation:

0.43 pound of NO<sub>x</sub> per hour.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.085 pound of NO<sub>x</sub> per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services..

f. Emission Limitation:

1.9 tons of NO<sub>x</sub> per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.085 pound of NO<sub>x</sub> per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the technical or hourly emissions limitation(s), compliance shall also be shown with the annual emission limitation.

g. Emission Limitation:

0.0019 pound of PE per mmBtu.

Applicable Compliance Method:

This emission limitation was developed by calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

h. Emission Limitation:

0.01 pound of PE per hour.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0019 pound of PE per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

i. Emission Limitation:

0.05 ton of PE per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.0019 pound of PE per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

j. Emission Limitation:

0.0075 pound of PM10 per mmBtu.

Applicable Compliance Method:

This emission limitation was developed by calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 7.6 pounds of PM10 per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

k. Emission Limitation:

0.04 pound of PM10 per hour.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0075 pound of PM10 per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

I. Emission Limitation:

0.17 ton of PM10 per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.0075 pound of PM10 per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the technical or hourly limitation(s), compliance shall also be shown with the annual emission limitation.

m. Emission Limitation:

0.0006 pound of SO2 per mmBtu

Applicable Compliance Method:

This emission limitation was developed by calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pounds of SO2 emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

n. Emission Limitation:

0.01 pound of SO2 per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0006 pound of SO2 per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

o. Emission Limitation:

0.05 ton of SO<sub>2</sub> per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.0006 pound of SO<sub>2</sub> per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the technical or hourly limitation(s), compliance shall also be shown with the annual emission limitation.

p. Emission Limitation:

0.0054 pound of VOC per mmBtu.

Applicable Compliance Method:

This emission limitation was developed by calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pounds of VOC emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

q. Emission Limitation:

0.03 pound of VOC per hour.

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0054 pound of VOC per mmBtu) by the maximum heat input of the burners (5 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and

procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

r. Emission Limitation:

0.12 ton of VOC per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (5 mmBtu per hour) by the allowable emission limitation (0.0054 pound of VOC per mmBtu) and by the maximum annual hours of operation (8760 hours), and then dividing by 2000 pounds/ton. Therefore, if compliance is shown with the technical or hourly limitation(s), compliance shall also be shown with the annual emission limitation.

(3) Compliance with the combined emission limitation(s) for the final repair coating line, K401 through K407, shall be determined in accordance with the following method(s):

a. Emission Limitation:

The combined emissions from sanding and coating for the final repair coating line, K401 through K407, shall not exceed 1.85 tons of PM10 per rolling, 12-month period.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.0185 pound of PM10 per job).

If required, the permittee shall determine a site specific emissions factor, in pounds of PM10 per job, in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

The combined emission from the final repair coating line, K401 through K407, shall not exceed 16.5 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs per year) and a company supplied emissions factor (0.165 pound of VOC per production job).

If required, the permittee shall determine a site specific emissions factor, in pounds of VOC per job, in accordance with Method 24 of 40 CFR Part 60, Appendix A and utilizing the methods and procedures of OAC rule 3745-21-

10(C). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(4) Compliance with the combined emission limitation(s) for the combustion of fuel oil and natural gas in B402 and K402 through K405, shall be determined in accordance with the following method(s):

a. The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 11.56 tons of CO as a rolling, 12-month summation;

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (84 pounds of CO per million standard cubic feet of natural gas) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98, and emissions factor (5 pounds of CO per thousand gallons of fuel oil) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 5/10. Therefore, if compliance is shown with the rolling 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall determine a site specific emissions factor, in pounds of CO per volume of gas or oil, in accordance with Methods 1 through 4 and 10 of 40 CFR Part 60 Appendix A.. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

b. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 12.44 tons of NOx as a rolling, 12-month summation;

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (a company supplied 0.085 pound NOx per mmBtu with an AP-42 value of 1020 mmBtu per mmscf) for natural gas and an emissions factor (a company supplied 0.035 pound NOx per mmBtu with an AP-42 value of 140 mmBtu per thousand gallons) for fuel oil. Therefore, if compliance is shown with the rolling, 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall determine a site specific emissions factor, in accordance with Methods 1 through 4 and 7 of 40 CFR Part 60 Appendix A.

Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

c. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 0.52 ton of PE as a rolling, 12-month summation;

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (1.9 pounds of PE per million standard cubic feet of natural gas) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98, and emissions factor (2 pounds of PE per thousand gallons of fuel oil) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 5/10. Therefore, if compliance is shown with the rolling 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9). Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

d. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 1.41 tons of PM10 as a rolling, 12-month summation.

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (7.6 pounds of PM10 per million standard cubic feet of natural gas) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98, and an emissions factor (2 pounds filterable particulate plus 1.3 pounds condensable particulate per thousand gallons of fuel oil) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Tables 1.3-1 and 1.3-2, dated 5/10. Therefore, if compliance is shown with the rolling 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix

M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

e. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 9.01 tons of SO<sub>2</sub> as a rolling, 12 month summation

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (0.6 pound of SO<sub>2</sub> per million standard cubic feet of natural gas) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98, and an emissions factor (142S pounds of SO<sub>2</sub> per thousand gallons of fuel oil where S = 0.5 for #2 fuel oil) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 5/10. Therefore, if compliance is shown with the rolling 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

f. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B402 and K402 through K405 shall not exceed 0.74 ton of VOC as a rolling, 12-month summation

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (258 mmscf of natural gas and 250,000 gallons fuel oil), an emission factor (5.5 pounds of VOC per million standard cubic feet of natural gas) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98, and an emissions factor (0.2 pounds of NMTOC per thousand gallons of fuel oil) from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-3, dated 5/10. Therefore, if compliance is shown with the rolling 12-month throughput restrictions for natural gas and fuel oil, compliance shall also be shown with the annual emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and

**Draft Title V Permit**

Chrysler Group LLC - Toledo North Assembly

**Permit Number:** P0088135

**Facility ID:** 0448010414

**Effective Date:** To be entered upon final issuance

procedures specified in OAC rule 3745-21-10. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

- (5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 04-01359 as modified November 11, 2007: f)(1) through f)(4). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

[Authority for term: OAC rule 3745-77-07(A)(3)(a)(ii)]

g) Miscellaneous Requirements

- (1) None.