

Statement of Basis For Title V Permit

Version 3. - 02/24/05

Company Name	Owens Corning		
Premise Number	01-45-02-0185		
What makes this facility a Title V facility?	VOC, PM-10, Sox, NOx, CO, HAP, HAPs		
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)?	Yes.		
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	no		

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
A.1	N	Y 40 CFR Part 63, NNN	States MACT subjectivity and must comply with 40 CFR 63.1387
A.1.a	N	Y 40 CFR Part 63, NNN	States MACT subjectivity and must comply with 40 CFR 63.1387
A.2	N	Y 40 CFR Part 63, NNN	Comply with 40 CFR 63.1382(a)(1) for affected emissions units

A.3	N	Y 40 CFR Part 63, NNN	Comply with 40 CFR 63.1382(a)(2)(i) for affected emissions units
A.4, A.4.a - A.4.d, A.5	N	Y 40 CFR Part 63, NNN	Comply with Operating Limits - 40 CFR 63.1382(b) for affected emissions units
A.6	N	Y 40 CFR Part 63, NNN	Comply with Monitoring Limits - 40 CFR 63.1383 for affected emissions units
A.6.a - A.6.e	N	Y 40 CFR Part 63, NNN	Comply with Monitoring Limits - 40 CFR 63.1383(b) for affected emissions units
A.7	N	Y 40 CFR Part 63, NNN	Comply with Performance Test Requirements and Reporting - 40 CFR 63.1384 for affected emissions units
A.8	N	Y 40 CFR Part 63, NNN	Comply with Test Methods and Procedures - 40 CFR 63.1385 for affected emissions units
A.9, A.9.a - A.9.c	N	Y 40 CFR Part 63, NNN	Comply with Record keeping Requirements - 40 CFR 63.1386(d) for affected emissions units
A.10	N	Y 40 CFR Part 63, NNN	Comply with Test Methods and Procedures - 40 CFR 63.1386 for affected emissions units

A.11	N	Y 40 CFR Part 63, NNN	Comply with Excess Emission Reports - 40 CFR 63.1386 for affected emissions units
A.12, A.12.a	N	Y 40 CFR Part 63, NNN	Comply with Operation and Maintenance Requirements - 40 CFR 63.6 for affected emissions units
A.12.b	N	Y 40 CFR Part 63, NNN	Comply with Test Methods and Procedures - 40 CFR 63.7 for affected emissions units
A.12.c	N	Y 40 CFR Part 63, NNN	Comply with Reconstruction - 40 CFR 63.9 for affected emissions units
A.12.d, A.12.e	N	Y 40 CFR Part 63, NNN	Comply with Record keeping - 40 CFR 63.10 for affected emissions units
A.13	N	Y 40 CFR Part 61	Sections referenced in 40 CFR 61 for Asbestos
A.14	N	Y OAC rule 3745- 25-03	OAC rule 3745-25-03 for control action program
A.15	Y	N	Listing of insignificant emission units. MPM - Removal of insignificant emission units that have been permanently shut down.
B.1	N	N	Listing of insignificant emission units exempt due to "de minimis" status MPM - Removal of insignificant emission units that have been permanently shut down.

C **Instructions for Part II:**

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an “N” in the column under “SIP.” If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a “Y” should be noted in the “Other” column, and if not, an “N” should be noted. Whether the basis for the term and condition is the “SIP” or “Other,” an explanation of each term and condition in Part II must be provided in the “Comments” section.

- C **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Review and comment rights vary depending on the basis for the modification. Please provide one of the following codes for each affected part of the permit being modified along with a brief explanation of what/what the affected part of the permit is being modified:

“**APA**” - Administrative Permit Amendment

“**MPM**” - Minor Permit Modification

“**SPM**” - Significant Permit Modification

“**R**” -Reopening

Appeal - Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the “Comments” area.

Part III (Requirements Within the State & Federally Enforceable Section)

Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.

EU(s)	Limitation	Basis		N D	O R	M	S t	E N F	R	St	Rp	St	E T	Mis c	Comments <i>(Please Note: For Modifications, please indicate the basis for modification and provide a brief description of the what/why the affected part of the permit is being modified - see instructions for further information)</i>
		SIP (374 5-)	Othe r												
F001	Particulate emissions shall not exceed 6 tons per year.	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET -Compliance demonstrated through use of AP-42 emission factors for paved and unpaved roadways and annual vehicle miles traveled.
F001	Emission unit description of paved areas	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	Detailed description of emission unit
F001	Emission unit description of unpaved areas	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	Detailed description of emission unit
F001	Sweep paved areas as necessary	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit.. ET - Compliance demonstrated through VE checks and method 9 if necessary.
F001	treat unpaved areas as necessary	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET - Compliance demonstrated through VE checks and method 9 if nec.
F001	control measure weather restrictions	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET - Compliance demonstrated through VE checks and method 9 if nec.
F001	unpaved to paved transition description	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET - Compliance demonstrated through VE checks and method 9 if nec.
F001	drag-out restrictions	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET - Compliance demonstrated through VE checks and method 9 if nec.

F001	vehicle restrictions	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET - Compliance demonstrated through VE checks and method 9 if nec.
F001	BAT statement	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	Description of applicability
F001 F002 P024 P020 P025 P028 P162 P174	not in Appendix A area	N	N	Y	N	N	N	N	N	N	N	N	N	N	This emissions unit is not located in an Appendix A area of OAC rule 3745-17-08; therefore, the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) do not apply.
F002	Particulate emissions shall not exceed 3.3 tons per year.	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	N	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET -Compliance demonstrated through use of AP-42 emission factor for unpaved roadways and annual vehicle miles traveled.
F001	No visible emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any 60-minute observation period	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and speed limit. ET -Compliance demonstrated through VE checks and method 9 if nec.

F001 F002	No visible emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require use of dust suppressants and limit speed limit. ET -Compliance demonstrated through VE checks and method 9 if nec.
K003	No visible emissions.	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require filtration system. ET - Compliance demonstrated through VE checks and method 5 if nec.
K003	6 lbs/hr VOC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Limited to 10 gallon per day usage ET - Compliance shall be demonstrated through record keeping; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, 18 , 25 or 25A.
K003	0.551 lb PM/hr	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Require filtration system. ET - Compliance shall be demonstrated by calculation and VE checks; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

P001 P004 P005 P006 P008 P129 P175 P180 P901 P020 P021 P024 P025 P141 P026 P027 P028 P031 P038 P039 P130 P143 P072 P073 P115 P128 P176 P003 P044 P055 P060 P064 P066 P131 P133 P134 P135 P136 P140 P142 P147 P194	20% opacity, as a 6-minute average	17- 07(A) (1)	N	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. ET - Compliance demonstrated through VE checks and method 9 if nec.
P022	20% opacity, as a 3-minute average	N	31- 05(A) (3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. ET - Compliance demonstrated through VE checks and method 9 if nec.

P001 P004 P005 P020 P021 P022 P025 P027 P031 P055 P066 P073 P128 P129 P130 P131 P134 P135 P136 P141 P142 P143 P147 P194	negative declaration	N	N	N	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 01-08329. On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio. The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 01-08329.
P001 P004 P005 P006 P026 P027 P028 P031 P055 P064 P066 P072 P073 P128 P129 P140 P176	applicability of NNN	N	40 CFR 63, NNN	N	N	Y	N	N	Y	N	Y	N	N	N	N	All requirements have been transferred from PTI. ET - Each unit is testing in accordance with the appropriate MACT language.
P001	vent emissions to baghouse	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	N	All requirements have been transferred from PTI. OR - Baghouse pressure drop range of 3-18 inches of water

P001 P006 P129 P004 P005	0.5 lb PM/ton of glass pulled	N	40 CFR 63, NNN	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - P001, P006 and P007 will comply with MACT limit through use of baghouse while P129 will comply through use of an ESP
P001	97.5 lbs nitrogen oxide emissions/hr	N	31- 05(A) (3)	N	Y	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. OR - Burn only natural gas M - Compliance demonstrated through testing R - Compliance demonstrated through testing Rp - Compliance demonstrated through testing
P001	8.8 tons nitrogen oxide emissions/yr	N	31- 05(A) (3)	N	Y	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. OR - Burn only natural gas M - Compliance demonstrated through testing R - Compliance demonstrated through testing Rp - Compliance demonstrated through testing
P001	3.24 lbs filterable and condensable particulate/hr and 14.2 tpy.	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Using baghouse to meet limit. ET - Compliance demonstrated through calculations and VE checks; if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A.
P001	2.2 lbs/hr sulfur dioxide and 9.5 tpy	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculations and VE checks; if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A.
P001	0.4 lb/hr and 1.76 tpy chlorides	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M - Emission limit is maximum capacity. R - Emission limit is maximum capacity. Rp - Emission limit is maximum capacity.
P001	1.68 lbs/hr and 7.4 tpy carbon monoxide	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculations and VE checks; if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A.
P001	208.3 tons nitrogen oxide per cumulative, rolling 12- month summation	31- 05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Niter limit of 385 tons /rolling 12 months ET - Compliance demonstrated through record keeping.

P004	114.2 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M - Emission limit is greater than maximum capacity. R - Emission limit is greater than maximum capacity. Rp - Emission limit is greater than maximum capacity. ET - Emission limit is greater than maximum capacity. if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A.
P005 MPM	90.10 lbs NOx/hr	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	Y	N	N	All requirements have been transferred from PTI. M - Compliance demonstrated through testing R - Compliance demonstrated through testing Rp - Compliance demonstrated through testing MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P005 MPM	3.54 lbs/hr and 15.6 tpy of PE	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	N	All requirements have been transferred from PTI. OR - Use of batch boom spray to control PE MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P005 MPM	1.75 lbs/hr and 7.7 tpy of SO2	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M - Emission limit is greater than maximum capacity. R - Emission limit is greater than maximum capacity. Rp - Emission limit is greater than maximum capacity. ET - Emission limit is greater than maximum capacity. if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P005 MPM	0.60 lbs/hr and 2.7 tpy of HCl	N	31-05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M - Emission limit is greater than maximum capacity. R - Emission limit is greater than maximum capacity. Rp - Emission limit is greater than maximum capacity. ET - Emission limit is greater than maximum capacity. if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P005 MPM	288.3 tons NOx per rolling, 12-month summation	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	All requirements have been transferred from PTI. OR - Niter limit of 533 tons /rolling 12 months ET - Compliance demonstrated through record keeping. MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P006	1.4 lbs SO2/ton of PWR	18-51 (D)(1)	N	Y	Y	N	N	Y	N	Y	N	N	Y	N	N	All requirements have been transferred from PTI. ET - the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A, Method 6.

P020 MPM	7.76 lbs/hr and 34.0 tpy PE	N	31- 05(A) (3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P020 MPM	0.56 lbs/hr and 2.46 tpy NOx	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P020 MPM	0.47 lbs/hr and 2.1 tpy CO	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P024	79.4 lbs SO2/hr	18- 06 (E)2 1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P141 P176	UMRE less than 10 lbs PM/hr	17- 11 (B)(1)	N	N	N	Y	N	N	Y	N	Y	N	Y	N	
P141	102.4 lbs/hr SO2	18- 06(E) (2)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P021	1.43 lbs/hr and 6.4 tpy filterable and condensable particulate	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through previous testing; if required, the permittee shall demonstrate compliance in accordance with 40 CFR Part 60, Appendix A.
P022	5.5 lbs/hr and 24 tpy filterable and condensable particulate	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.

P021	0.71 lb/hr and 3.1 tpy nitrogen oxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P022	0.6 lb/hr and 2.5 tpy nitrogen oxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P021	0.6 lb/hr and 2.6 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P022	0.5 lb/hr and 2.1 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P026	18.6 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	Y	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - using penthouse to meet limit ENF-1980 Consent Decree
P028	18.2 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	Y	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - using penthouse to meet limit ENF-1980 Consent Decree
P026	141.5 lbs/hr sulfur dioxide	18-06(E)(2)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P028	138.0 lbs/hr sulfur dioxide	18-06(E)(2)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.

P026 P027 P028 P031 P055 P064 P066 P072 P073 P128 P140 P176 P064	1.2 lbs formaldehyde per ton of glass pulled	N	40 CFR 63, NNN	N	Y	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. OR - limit given is a MACT standard M,R,Rp - not necessary according to MACT.
P027 MPM SPM	28 lbs/hr and 122.7tpy filterable and condensable particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	N	All requirements have been transferred from PTI. OR - uses dust collection system consisting of a drop-out box, fans, cyclonic separators, penthouse (moisture eliminator) and mixing chamber MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902. SPM - Particulate emissions and visible emissions from this emissions unit are subject to CAM. A CAM Plan was submitted with the significant modification Title V application. Build-up of material inside each cyclone and abnormal visible emissions will be used to demonstrate compliance with both the VE and particulate emission rates.
P027 MPM SPM	21.7 lbs/hr PM	N	31-05(A)(3)	N	Y	Y	N	Y	Y	N	Y	N	Y	N	N	All requirements have been transferred from PTI. OR - uses dust collection system consisting of a drop-out box, fans, cyclonic separators, penthouse (moisture eliminator) and mixing chamber ENF-1980 Consent Decree MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902. SPM - Particulate emissions and visible emissions from this emissions unit are subject to CAM. A CAM Plan was submitted with the significant modification Title V application. Build-up of material inside each cyclone and abnormal visible emissions will be used to demonstrate compliance with both the VE and particulate emission rates.

P027 MPM SPM	20% opacity, as a 6-minute average	N	17- 07(A) (1)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - uses dust collection system consisting of a drop-out box, fans, cyclonic separators, penthouse (moisture eliminator) and mixing chamber ENF-1980 Consent Decree MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902. SPM - Particulate emissions and visible emissions from this emissions unit are subject to CAM. A CAM Plan was submitted with the significant modification Title V application. Build-up of material inside each cyclone and abnormal visible emissions will be used to demonstrate compliance with both the VE and particulate emission rates.
P027 MPM	5.63 lbs/hr and 24.7 tpy sulfur dioxide	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	4.37 lbs/hr and 19.2 tpy nitrogen oxide	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	15.29 lbs/hr and 67.0 tpy carbon monoxide	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	4 lbs/hr and 17.6 tpy formaldehyde	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - limitation of methanol content of formaldehyde resin MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	33 lbs/hr and 144.6 tpy ammonia	31- 05 (D)	N	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M, R, Rp - Compliance is based upon testing. MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	13.0 lbs/hr methanol	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 MPM	13.0 lbs/hr phenol	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - monthly limitation on phenol usage MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.

P027 MPM	30.11 lbs/hr VOC	N	31-05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	Y	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - VOC summation of phenol, methanol and formaldehyde emissions from stack tests as well as burner emissions using AP-42 emission factors MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 P055 P073 SPM	11.0 lbs PE/ton of glass pulled	N	40 CFR 60, PPP	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - P027 uses dust collection system consisting of cyclonic separators, penthouse (moisture eliminator) SPM - Addition of 40 CFR 60, PPP based emission limitation and associated M, R, Rp and ET. Applicability is initiated through PTI 01-08902 approved modifications to the manufacturing line.
P027 P055 P073 MPM	26.34 tons of methanol per rolling 12- month summation for P027, P055 and P073	31-05(C))	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in record keeping section MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 P055 P073 MPM	26.46 tons of phenol per rolling 12- month summation for P027, P055 and P073	31-05(C))	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on phenol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in record keeping section MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P027 P055 P073 MPM	74.67 tons of VOC per rolling 12- month summation for P027, P055 and P073	31-05(C))	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - Compliance demonstrated through calculation in record keeping section MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P031 APA	29.5 lbs/hr and 129.2 tpy filterable and condensable particulate	N	31-05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - uses dust collection system consisting of a drop-out box, fan, penthouse and cyclonic separators. ENF-1980 Consent Decree APA - Correction of reference to control equipment

P031 APA	23.5 lbs particulate/hr	17-11(B)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - uses dust collection system consisting of a drop-out box, fan, penthouse and cyclonic separators. ENF-1980 Consent Decree APA - Correction of reference to control equipment
P031	50 lbs/hr and 219 tpy ammonia	31-05(C)	N	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M, R, Rp - Compliance is based upon testing.
P031	5.3 lbs/hr and 23 tpy sulfur dioxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P031	5.3 lbs/hr and 23 tpy nitrogen oxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P031	17.5 lbs/hr and 76.7 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P031	8.5 lbs/hr and 37.2 tpy formaldehyde	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - limitation of methanol content of formaldehyde
P031	18.5 lbs/hr methanol	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage ET - Compliance demonstrated through monitoring and record keeping
P031	26.5 lbs/hr phenol	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - monthly limitation on phenol usage ET - Compliance demonstrated through monitoring and record keeping
P031	53.6 lbs/hr VOC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	Y	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - VOC summation of phenol, methanol and formaldehyde emissions as well as burner emissions using AP-42 emission factors
P055 MPM	3 lbs/hr and 13.2 tpy particulate	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.

P055	2.4 lbs/hr particulate	17-11(B)(1)	N	N	N	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. ENF-1980 Consent Decree
P055 MPM	2.18 lbs/hr and 9.6 tons/yr ammonia	31-05(C)	N	N	N	N	N	N	N	N	N	N	Y	N	M, R, Rp - Compliance is based upon testing. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P055 MPM	0.71 lbs/hr and 3.2 toy sulfur dioxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P055 MPM	15.27 lbs/hr and 67.0 tpy nitrogen oxides	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P055 MPM	22.94 lbs/hr and 100.5 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P055 MPM	0.38 lb/hr VOC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage ET - Compliance demonstrated through previous testing; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P066	0.65 lb/hr and 2.9 tpy sulfur dioxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas.
P066	14 lbs/hr and 61.3 tpy nitrogen oxides	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas.
P066	21 lbs/hr and 92 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas.
P066	0.1 lb/hr methanol	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage ET - Compliance demonstrated through previous testing; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.

P066	0.1 lb/hr phenol	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage ET - Compliance demonstrated through previous testing; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P066	4 lbs/hr and 17.5 tpy particulate	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI.
P066	0.25 lb/hr and 1.1 tpy formaldehyde	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation of methanol content of formaldehyde ET - Compliance demonstrated through previous testing; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P066	0.6 lb/hr OC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - VOC summation of phenol, methanol and formaldehyde emissions from stack tests as well as burner emissions using AP-42 emission factors
P066	3.25 lbs/hr and 14.3 tpy ammonia	31-05(C)	N	N	N	N	N	N	N	N	N	N	Y	N	M, R, Rp - Compliance is based upon testing.
P031 P066 P128	45 tons of methanol per rolling 12-month summation for P031, P066 and P128	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculations in record keeping section. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P031 P066 P128	50 tons of phenol per rolling 12-month summation for P031, P066 and P128	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on phenol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in record keeping section if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.

P031 P066 P128	143.2 tons of VOC per rolling 12-month summation for P031, P066 and P128	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - Compliance demonstrated through calculation in record keeping section. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P038	3.91 lbs/hr particulate	17-11(B)(1)	N	N	N	Y	N	Y	N	N	Y	N	Y	N	All requirements have been transferred from PTI. ENF-1980 Consent Decree
P039	14.63 lbs/hr particulate	17-11(B)(1)	N	N	N	Y	N	Y	N	N	Y	N	Y	N	All requirements have been transferred from PTI. ENF-1980 Consent Decree
P073 MPM	3.85 lb/hr and 16.9 tpy filterable and condensable particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using scrubber to meet limit. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P073 MPM	14.5 lbs/hr particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using scrubber to meet limit. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P073 MPM	3.5 lbs/hr and 15.3 tpy ammonia	31-05(C)	N	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M, R, Rp - Compliance is based upon testing. MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P073 MPM	0.7 lb/hr and 3.1 tpy formaldehyde	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - limitation of methanol content of formaldehyde MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P073 MPM	1.22 lbs/hr VOC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol and phenol usage MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P143	3.12 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - using scrubber to meet limit

P130 MPM	7.2 lbs/hr and 31.5 tpy filterable and condensable particulate	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - uses cyclone and scrubber to comply with particulate limit MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	7.73 lbs/hr and 33.9 tpy VOC	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M, R, Rp - Compliance is based upon testing. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	0.47 lbs/hr and 2.1 tpy methanol	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M, R, Rp - Emission limitations are set at the unit's maximum capacity. ET - Compliance demonstrated through calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	0.62 lbs/hr and 2.8 tpy phenol	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M, R, Rp - Emission limitations are set at the unit's maximum capacity. ET - Compliance demonstrated through calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	0.46 lbs/hr and 2.0 tpy formaldehyde	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	N	N	All requirements have been transferred from PTI. M, R, Rp - Emission limitations are set at the unit's maximum capacity. ET - Compliance demonstrated through calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	13.26 lbs/hr and 58.1 tpy ammonia	N	31- 05(A) (3)	N	N	N	N	N	N	N	N	N	Y	N	All requirements have been transferred from PTI. M, R, Rp - Compliance is based upon testing. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	0.45 lb/hr and 2.0 tpy NOx	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance is based upon calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.

P130 MPM	1.60 lb/hr and 7.0 tpy CO	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance is based upon calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P130 MPM	0.28 lb/hr and 1.2 tpy SO2	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance is based upon calculations. if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P072	12.2 lbs/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	Y	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using scrubber to meet limit. ENF-1980 Consent Decree
P176	14.7 lbs/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using baghouse to meet limit.
P128 APA	5.6 lbs/hr and 24.5 tpy filterable and condensable particulate	N	Y 31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using stack burner and filter or scrubber to meet limit. APA - Correction of reference to control equipment.
P128	2 lbs/hr and 8.8 tpy formaldehyde	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - limitation of methanol content of formaldehyde
P128	0.5 lb/hr phenol	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - monthly limitation on methanol usage
P128	0.4 lb/hr methanol	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - monthly limitation on phenol usage
P128	2.92 lbs/hr VOC	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - limitation on methanol content of formaldehyde and monthly restrictions on resin usage required to ensure VOC permit limit ET - VOC summation of phenol, methanol and formaldehyde emissions from stack tests as well as burner emissions using AP-42 emission factors

P128	1.6 lbs/hr and 7.0 tpy ammonia	31-05(C)	N	N	N	N	N	N	N	N	N	N	N	Y	N	M, R, Rp - Compliance is based upon testing.
P129 MPM	0.78 lbs/hr and 3.5 tpy filterable and condensable particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N		All requirements have been transferred from PTI. OR - use of ESP to comply with particulate limit MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P129 MPM	23.3 lbs NOx/hr	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N		All requirements have been transferred from PTI. OR - use of natural gas and niter usage restriction on a monthly basis MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P129 MPM	4.0 tpy NOx from natural gas	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N		All requirements have been transferred from PTI. OR - use of natural gas MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P129 MPM	0.69 lbs/hr and 3.1 tpy sulfur dioxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N		All requirements have been transferred from PTI. OR - use of natural gas ET - Compliance demonstrated through calculations; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P129 MPM	0.76 lbs/hr and 3.4 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N		All requirements have been transferred from PTI. OR - use of natural gas ET - Compliance demonstrated through calculations; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A MPM - Addition of 31-05(A)(3) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P129 MPM	34.4 tons NOx per rolling 12-month period from niter usage	31-05(C)	N	N	Y	Y	N	N	Y	N	Y	N	N	N		All requirements have been transferred from PTI. OR - niter usage restriction on a monthly basis ET - Compliance demonstrated through monitoring and recordkeeping; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A MPM - Addition of 31-05(C) based emission limitation and associated M, R, Rp and ET through PTI 01-08902.
P136 P147 APA	3.2 tpy particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N		All requirements have been transferred from PTI. OR - Use of stack burner for control of particulate ET - established from stack test requirement for hourly limit APA - Correction of stack numbers in emission unit descriptions (P136: stack 28-56 to 28-01 and P147: stack 28-02 to 28-01)

P136 P147	0.73 lb/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Use of stack burner for control of particulate ET - if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Method 5.
P136 P147 P140 P044 P060 P064 P131 P133 P134 P135 P142 P051 P194	Use of non- photochemical coatings	21- 07 (G)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	P044, P051, P064, P060, P140 and P194: OR - using thermal burner to comply with limit P131: OR - expecting 5% control from thermal burner use P051: Misc - unit has undergone a modification per Ohio's regulations, requirement to submit complete permit to install application within 2 months of TV issuance and obtain a final permit to install within 8 months of TV issuance
P044	2.58 lbs/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - using thermal burner to comply with limit ENF-1980 Consent Decree
P060	3.18 lbs/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - using thermal burner to comply with limit ENF-1980 Consent Decree
P133 P134 P135 P142	2.5 tpy particulate	N	31- 05(A) (3)	N	N	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. ET - established from stack test requirement for hourly limit
P133 P134 P135	1.75 lbs/hr particulate	17- 11 (B)(1)	N	N	N	Y	N	N	Y	N	Y	N	Y	N	
P142	3.32 lbs/hr particulate	17- 11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - using thermal burner to comply with limit
P194	0.44 lb/hr and 1.93 tpy particulate	N	31- 05(A) (3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Use of stack burner for control of particulate

P194	0.21 lb/hr and 0.92 tpy sulfur dioxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P194	1.35 lbs/hr and 5.91 tpy OC	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas.
P194	0.06 lb/hr and 0.26 tpy nitrogen oxides	N	Y 31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P194	1.97 lbs/hr and 8.63 tpy carbon monoxide	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A.
P131	3.2 tpy particulate	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - using thermal burner to comply with limit ET - established from stack test requirement for hourly limit
P131	2 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - using thermal burner to comply with limit
P064	12.2 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	Y	Y	N	Y	N	Y	N	OR - using thermal burner to comply with limit ENF-1980 Consent Decree
P064	88.2 lbs/hr sulfur dioxide	18-06(E)(2)	N	N	N	N	N	N	N	N	N	N	Y	N	M - Maximum emissions are less than allowable R - Maximum emissions are less than allowable. Rp - Maximum emissions are less than allowable
P140	14.2 lbs/hr particulate	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - using thermal burner to comply with limit
P140	107.8 lbs/hr sulfur dioxide	18-06(E)(2)	N	N	Y	Y	N	N	Y	N	Y	Y	N	N	All requirements have been transferred from PTI. OR - Ensure compliance through only burning natural gas. ET - Compliance demonstrated through calculations; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A. ENF-1980 Consent Decree

P175	0.26 particulate/hr and 1.15 particulate tpy	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	All requirements have been transferred from PTI. OR - Using fabric filter to meet limit.
P180	44.6 particulate lbs/hr	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - Using fabric filter to meet limit. ET - Compliance demonstrated through use of AP-42 emission factors for drop operation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.
P901	58.5 particulate lbs/hr	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	All requirements have been transferred from PTI. OR - Using 2 baghouses to meet limit. ET - Compliance demonstrated through use of AP-42 emission factors for drop operation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

CAM did not apply when the permit was initially issued. Therefore it can only be applied to the emission units with significant modifications (P0027, P055, P073). CAM does not apply to any of these emission units.

APA: Removal of shutdown emission units P033, P051 and P199.

Directions:

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

C Instructions for Part III:

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

C If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. If the basis for the term and condition is "Other," an explanation of the basis must be provided in the "Comments" section. If OAC rule 3745-31-05 is cited in the "Other" column, please indicate in the "Comments" section whether or not all of the requirements have been transferred from the permit to install.

- To complete the remainder of the table after “Basis,” except for the “Comments” section, simply specify a “Y” for yes or an “N” for no. For the “M,” “R,” “Rp,” and “ET” columns, if “N” is specified, there should be a brief explanation in the “Comments” section as to why there are no requirements. If a brief explanation is provided in the “Comments” section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

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

Also, if a “Y” is noted under “OR,” “Misc,” “St,” “ND,” or “ENF” an explanation of the requirements must be provided in the “Comments” section. In addition to a general explanation of the “OR,” “Misc,” “St,” “ND,” and/or “ENF” the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the “Miscellaneous Requirements” section of the permit, provide an explanation in the “Comments” section of the violation, basis for the violation, and the company’s proposed control plan and schedule.
3. If the “ND” column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
2. If the “ENF” column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an “N” is noted in the “OR,” “Misc,” “St,” “ND,” or “ENF” columns.

- C **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Review and comment rights vary depending on the basis for the modification. Please provide one of the following codes for each affected part of the permit being modified, along with a brief explanation of what/what the affected part of the permit is being modified:

“**APA**” - Administrative Permit Amendment “**MPM**” - Minor Permit Modification
“**SPM**” - Significant Permit Modification “**R**” -Reopening

Appeal - Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the “Comments” area.