

Statement of Basis For Title V Permit

Version 2. - 3/27/98

Company Name	Owens Corning	
Premise Number	01-45-02-0185	
Number of Non-insignificant Emissions Units	52	
What makes this facility a Title V facility?	Actual emissions of voc, particulate, sulfur dioxide, nitrogen oxides, carbon monoxide, phenol, formaldehyde and methanol.	
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)?	Yes.	

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
A.1	N	Y	States MACT subjectivity and must comply with 40 CFR 63.1387
A.2	N	Y	Comply with 40 CFR 63.1382(a)(1) for affected emissions units
A.3	N	Y	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	Comply with Operating Limits - 40 CFR 63.1382(b) for affected emissions units
A.6	N	Y	Comply with Monitoring Limits - 40 CFR 63.1383 for affected emissions units
A.7	N	Y	Comply with Performance Test Requirements and Reporting - 40 CFR 63.1384 for affected emissions units
A.8	N	Y	Comply with Test Methods and Procedures - 40 CFR 63.1385 for affected emissions units
A.9	N	Y	Comply with Notification - 40 CFR 63.1386 for affected emissions units
A.10, A.11 and A.12	N	Y	Comply with Recordkeeping Requirements - 40 CFR 63.1386 for affected emissions units
A.13	N	Y	Sections referenced in 40 CFR 63, Subpart NNN for Part 63, Subpart A
A.14	N	Y	40 CFR 63, Subpart OOO

A.15 - A.26	N	Y	40 CFR 63.1400 Applicability and Designation of Affected Sources
A.27 - A.29	N	Y	40 CFR 63.1401 Compliance Schedule
A.30 - A.31	N	Y	40 CFR 63.1403 Emission Standards
A.32 - A.34	N	Y	40 CFR 63.1404 Storage vessel provisions
A.35 - A.36	N	Y	40 CFR 63.1405 Continuous process vent provisions
A.37 - A.38	N	Y	40 CFR 63.1306 Reactor batch process vent provisions
A.39 - A.40	N	Y	40 CFR 63.1407 Non-reactor batch process vent provisions
A.41 - A.42	N	Y	40 CFR 63.1408 Aggregate batch vent stream provisions
A.43 - A.49	N	Y	40 CFR 63.1409 Heat exchange system provisions
A.50 - A.51	N	Y	40 CFR 63.1410 Equipment leak provisions
A.52 - A.55	N	Y	40 CFR 63.1412 Continuous process vent applicability assessment procedures and methods
A.56 - A.82	N	Y	40 CFR 63.1413 Compliance demonstration procedures
A.83 - A.93	N	Y	40 CFR 63.1414 Test methods and emission estimates equations
A.94 - A.98	N	Y	40 CFR 63.1415 Monitoring Requirements
A.99 - A.119	N	Y	40 CFR 63.1416 Recordkeeping Requirements
A.120 - A.140	N	Y	40 CFR 63.1417 Reporting Requirements
A.141	N	Y	Table 1 to Subpart OOO of Part 63 - Applicability of General Provisions to Subpart OOO Affected Sources
A.142	N	Y	Table 2 to Subpart OOO of Part 63 - Known Organic Hazardous Air Pollutants (HAP) From the Manufacture of Amino/Phenolic Resins
A.143	N	Y	Table 3 to Subpart OOO of Part 63 - Batch Process Vent Monitoring Requirements
A.144	N	Y	Table 4 to Subpart OOO of Part 63 - Operating Parameter Levels
A.145	N	Y	Table 5 to Subpart OOO of Part 63 - Reports Required by 40 CFR 63, Subpart OOO
A.146	N	Y	Table 6 to Subpart OOO of Part 63 - Coefficients for Total Resource Effectiveness

▼ **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.

- ▼ If there were any “common control” issues associated with this facility, after the table for Part II, provide a summary of those issues and explain how the DAPC decided to resolve them.

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

EU(s)	Limitation	Basis		N D	O R	M	S t	E N F	R	St	Rp	E T	M isc	Comments
		SIP (3745-)	O t h e r											
B001 B002 B003	20% opacity, as a 6-minute average	17-07 (A)(1)	N	N	Y	Y	N	N	Y	N	Y	Y	N	M - Not required based on nature of fuels burned. R - Not required based on nature of fuels burned. Rp - Not required based on nature of fuels burned. ET - Compliance shall be demonstrated through visible emissions observations performed in accordance with 40CFRPart60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
B001 B002 B003	0.02 lb particulate/MMbtu	17-10 (B)(1)	N	N	N	N	N	N	N	N	N	Y	N	M - Not required based on nature of fuels burned. R - Not required based on nature of fuels burned. Rp - Not required based on nature of fuels burned. ET - For B001, B002 and B003, compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit by the AP-42 emission factor for natural gas and dividing by the maximum hourly heat input capacity if the emissions unit. For B001 and B002, compliance shall be demonstrated by multiplying the maximum hourly fuel oil burning capacity (in gallons) of the emissions unit by the AP-42 emission factor for distillate oil firing and dividing by the maximum hourly heat input capacity if the emissions unit. If required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).
B001 B002	1.6 lbs sulfur dioxide/MMbtu actual heat input, when firing number two fuel oil	18-06(D)	N	N	N	Y	N	N	Y	N	Y	Y	N	ET - Compliance shall be demonstrated through record keeping; if required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6, while firing number two fuel oil.
F001	Particulate emissions shall not exceed 6 tons per year.	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	N	N	N	OR - Require use of dust suppressants and limit speed limit. Rp - No requirement applicable to this limit. ET -Compliance demonstrated through use of AP-42 emission factors for paved and unpaved roadways and annual vehicle miles traveled. Misc - None.

F002	Particulate emissions shall not exceed 3.3 tons per year.	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	N	N	N	OR - Require use of dust suppressants and limit speed limit. Rp - No requirement applicable to this limit. ET -Compliance demonstrated through use of AP-42 emission factor for unpaved roadways and annual vehicle miles traveled. Misc - None.
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	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Listed as an operational restriction under BAT.
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	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Listed as an operational restriction under BAT.
K003	No visible emissions.	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Require filtration system.
K003	6 lbs/hr OC	31-05(A)(3)	N	N	Y	N	N	N	Y	N	Y	N	N	OR - Limited to 10 gallon per day usage M - No applicable requirement. 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. Misc - None.
K003	0.551 particulate/hr	17-11(B)(1)	N	N	Y	N	N	N	N	N	Y	N	N	OR - Require filtration system. M - No applicable requirement. R - No applicable requirement. ET - Compliance shall be demonstrated by calculation; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

P081 P082	20% opacity, as a 6-minute average	17-07(A)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P081 P082	10.8 particulate/hr	17-11(B)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P175 P180 P901	20% opacity, as a 6-minute average	17-07(A)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P175	0.26 particulate/hr and 1.15 particulate tpy	31-05(A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	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	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.
P001 P004 P005 P006 P008 P129	20% opacity, as a 6-minute average	17-07(A)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P001 P006 P007 P129	0.5 lb particulate/ton of glass pulled	N	Y	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - P001, P006 and P007 will comply with MACT limit through use of baghouse while P129 will comply through use of an ESP
P004 P005 P008	0.5 lb particulate/ton of glass pulled	N	Y	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.	
P004	N	17-11(B)(1)	N	Y	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ND - Subpart NNN 0.5 lbs PE/ton glass pulled is more stringent	

P005	N	17-11 (B)(1)	N	Y	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ND - Subpart NNN 0.5 lbs PE/ton glass pulled is more stringent
P006	N	17-11 (B)(1)	N	Y	Y	Y	N	N	Y	N	Y	Y	N	OR - Using baghouse to meet limit. ND - Subpart NNN 0.5 lbs PE/ton glass pulled is more stringent
P001	97.5 lbs nitrogen oxide emissions/hr	31- 05(A)(3)	N	N	N	N	N	N	N	N	N	N	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. 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, Methods 1 through 4 and 7E.
P001	8.8 tons nitrogen oxide emissions/year	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42.
P001	3.24 lbs filterable and condensable particulate/hr and 14.2 tpy.	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Using baghouse to meet limit.
P001	2.2 lbs/hr sulfur dioxide and 9.5 tpy	31-05 (A)(3)	N	N	Y	N	N	N	N	N	N	Y	N	OR - Ensure compliance through only burning natural gas. M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P001	0.4 lb/hr and 1.76 tpy chlorides	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P001	1.68 lbs/hr and 7.4 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
P001	208.3 tons nitrogen oxide per cumulative, rolling 12-month summation	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	OR - Required to show compliance with annual limit ET - Compliance demonstrated through record keeping.
P004 P005	102.4 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.

P006	1.4 lbs/ton of PWR	18-51 (D)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P129	38.5 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P020 P021 P022 P024 P141	20% opacity, as a 6-minute average	17-07 (A)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P024	11.63 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P020 P141	14 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P021	1.43 lbs/hr and 6.4 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P022	5.5 lbs/hr and 24 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P021	0.71 lb/hr and 3.1 tpy nitrogen oxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7E.
P022	0.6 lb/hr and 2.5 tpy nitrogen oxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7E.

P021	0.6 lb/hr and 2.6 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
P022	0.5 lb/hr and 2.1 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ET - Compliance demonstrated through calculation using AP-42; if required, the permittee shall demonstrate compliance with this emissions limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
P002 P027	20% opacity, as a 6-minute average	17-07 (A)(1)	N	N	Y	N	N	N	N	N	N	N	Y	N	OR - uses mixing chamber to reduce opacity M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P026 P028 P031 P033 P038 P039 P130 P143	20% opacity, as a 6-minute average	17-07 (A)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P026	19.35 lbs/hr particulate	17-11 (B)(1)	N	N	Y	Y	N	Y	Y	N	Y	Y	Y	N	OR - using scrubber to meet limit ENF-1980 Consent Decree
P028	18.85 lbs/hr particulate	17-11 (B)(1)	N	N	Y	Y	N	Y	Y	N	Y	Y	Y	N	OR - using scrubber to meet limit ENF-1980 Consent Decree
P033	5.94 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	Y	N	N	N	Y	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ENF-1980 Consent Decree
P038 P039	4.63 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	Y	N	N	N	Y	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ENF-1980 Consent Decree
P143	3.12 lbs/hr particulate	17-11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - using scrubber to meet limit
P026	102.4 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.

P028	88.2 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P033	32.0 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P038 P039	33.9 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P026 P027 P028 P031	1.2 lbs formaldehyde per ton of glass pulled	N	Y	N	Y	Y	N	N	Y	N	Y	Y	N	OR - limit given is a MACT standard M,R and Rp listed in facility section permit; applicable requirements to show compliance with the MACT tbd by Owens by June 2, 2002
P027	28 lbs/hr and 122.6 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	Y	N	N	N	N	N	N	Y	N	OR - uses dust collection system consisting of a drop-out box, fans, cyclonic separators, penthouse (moisture eliminator) and mixing chamber M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P027	10 lbs/hr and 43.8 tpy sulfur dioxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P027	4 lbs/hr and 17.5 tpy nitrogen oxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P027	14 lbs/hr and 61.3 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P027	4 lbs/hr and 17.5 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - limitation of methanol content of formaldehyde
P027	11.5 lbs/hr methanol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on methanol usage
P027	16.5 lbs/hr phenol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on phenol usage
P027	32.11 lbs/hr VOC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	Y	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

P027 P055 P073	19.4 tons of methanol per rolling 12-month summation for P027, P055 and P073	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	OR - limitation on methanol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in recordkeeping section
P027 P055 P073	21.4 tons of phenol per rolling 12-month summation for P027, P055 and P073	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	OR - limitation on phenol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in recordkeeping section
P027 P055 P073	62.6 tons of VOC per rolling 12-month summation for P027, P055 and P073	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	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 recordkeeping section
P031	29.5 lbs/hr and 129.2 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	Y	N	N	N	N	N	N	Y	N	OR - uses dust collection system consisting of a drop-out box, fan and cyclonic separators. M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P031	5.3 lbs/hr and 23 tpy sulfur dioxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P031	5.3 lbs/hr and 23 tpy nitrogen oxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P031	17.5 lbs/hr and 76.7 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P031	8.5 lbs/hr and 37.2 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - limitation of methanol content of formaldehyde
P031	18.5 lbs/hr methanol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on methanol usage
P031	26.5 lbs/hr phenol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on phenol usage

P031	53.6 lbs/hr VOC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	Y	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
P031 P066 P128	45 tons of methanol per rolling 12-month summation for P031, P066 and P128	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	OR - limitation on methanol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in recordkeeping section
P031 P066 P128	50 tons of phenol per rolling 12-month summation for P031, P066 and P128	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	OR - limitation on phenol usage to comply with rolling 12-month summation ET - Compliance demonstrated through calculation in recordkeeping section
P031 P066 P128	143.2 tons of VOC per rolling 12-month summation for P031, P066 and P128	31-05 (D)	N	N	Y	Y	N	N	Y	N	Y	N	N	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 recordkeeping section
P130	7.2 lbs/hr and 31.5 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - uses cyclone and scrubber to comply with particulate limit
P130	7.73 lbs/hr and 33.9 tpy organic compound	31-05 (A)(3)	N	N	N	Y	N	N	Y	N	Y	N	N	ET - Compliance 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 and 18, 25 or 25A.
P072 P073 P115 P128 P176	20% opacity, as a 6-minute average	17-07 (A)(1)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P055 P064 P066 P072 P073 P128 P140 P176	1.2 lb formaldehyde per ton of glass pulled	N	Y	N	N	N	N	N	N	N	N	Y	N	M,R and Rp listed in facility section permit; applicable requirements to show compliance with the MACT tbd by Owens by June 2, 2002 except P055 and P066 which will comply with MACT upon PTI issuance of July 26, 2001through the use of incinerators

P072	12.2 lbs/hr particulate	17-11 (B)(1)	N	N	Y	Y	N	Y	Y	N	Y	Y	N	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	Y	N	OR - Using baghouse to meet limit.
P073	3.85 lb/hr and 16.9 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Using scrubber to meet limit.
P073	0.7 lb/hr and 3.1 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - limitation of methanol content of formaldehyde
P073	0.3 lb/hr phenol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on methanol usage
P073	0.25 lb/hr methanol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on phenol usage
P073	1.25 lbs/hr VOC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	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
P128	5.6 lbs/hr and 24.5 tpy filterable and condensable particulate	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - Using scrubber to meet limit.
P128	2 lbs/hr and 8.8 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - limitation of methanol content of formaldehyde
P128	0.5 lb/hr phenol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on methanol usage
P128	0.4 lb/hr methanol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - monthly limitation on phenol usage
P128	2.92 lbs/hr VOC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	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

P003 P044 P051 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	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P136 P147	2.5 tpy particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	N	ET - established from stack test requirement for hourly limit
P136 P147	0.72 lb/hr particulate	17-11 (B)(1)	N	N	N	N		N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.	
P136 P147	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.	
P044	2.83 lbs/hr particulate	17-11 (B)(1)	N	N	Y	N	N	Y	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement. ENF-1980 Consent Decree	
P044 P060	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	Y	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.	
P060	3.18 lbs/hr particulate	17-11 (B)(1)	N	N	Y	N	N	Y	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.	
P133 P134 P135 P142	2.5 tpy particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	ET - established from stack test requirement for hourly limit	

P133 P134 P135 P142	1.73 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P133 P134 P135 P142	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	0.44 lb/hr and 1.93 tpy particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	0.21 lb/hr and 0.92 tpy sulfur dioxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	1.35 lbs/hr and 5.91 tpy OC	31-05 (A)(3)	N	N	Y	N	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	0.06 lb/hr nitrogen oxides	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	1.97 lbs/hr and 8.63 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P194	OC emissions shall be reduced by at least 85% by weight, as an overall control efficiency	21-07 (G)(1)	N	N	Y	N	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P051	4.32 lbs/hr particulate	17-11 (B)(1)	N	N	Y	N	N	Y	N	N	N	N	Y	N	OR - using thermal burner to comply with limit ENF-1980 Consent Decree
P051	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	Y	N			N		N	N	Y	Y	OR - using thermal burner to comply with limit 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
P131	3.2 tpy particulate	31-05 (A)(3)	N	N	Y	N	N	N	N	N	N	N	N	N	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	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit
P131	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	Y	N	N	N	N	N	N	Y	N	OR - expecting 5% control from thermal burner use
P064	12.2 lbs/hr particulate	17-11 (B)(1)	N	N	Y	N	N	Y	N	N	N	Y	N	OR - using thermal burner to comply with limit ENF-1980 Consent Decree
P064	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	Y	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit
P064	88.2 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P003	17.42 lbs/hr particulate	17-11 (B)(1)	N	N	N	N	N	Y	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P003	OC emissions shall be reduced by at least 85% be weight, as an overall control efficiency	21-07 (G)(1)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - using thermal incinerator to comply with limit ENF-1980 Consent Decree
P003	110.5 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P140	14.7 lbs/hr particulate	17-11 (B)(1)	N	N	Y	N	N	N	N	N	N	Y	N	OR - using thermal burner to comply with limit M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P140	3 lbs/hr and 15 lbs/day OC	21-07 (G)(1)	N	N	Y	Y	N	N	Y	N	Y	Y	N	OR - using thermal incinerator to comply with limit
P140	102.4 lbs/hr sulfur dioxide	18-06 (E)(2)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P055	3 lbs/hr and 13.1 tpy particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P055 P066	0.65 lb/hr and 2.9 tpy sulfur dioxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.

P055 P066	14 lbs/hr and 61.3 tpy nitrogen oxides	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P055 P066	21 lbs/hr and 92 tpy carbon monoxide	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P055	0.1 lb/hr and 0.4 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - limitation of methanol content of formaldehyde
P055 P066	0.1 lb/hr methanol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - monthly limitation on methanol usage
P055 P066	0.1 lb/hr phenol	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - monthly limitation on phenol usage
P055	0.38 lb/hr OC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	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	4 lbs/hr and 17.5 tpy particulate	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	Y	Y	N	M - No applicable requirement. R - No applicable requirement. Rp - No applicable requirement.
P066	0.25 lb/hr and 1.1 tpy formaldehyde	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	Y	Y	N	OR - limitation of methanol content of formaldehyde
P066	0.6 lb/hr OC	31-05 (A)(3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	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

EU = emissions unit id

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

OR = operational restriction

M = monitoring requirements

St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirements 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

▼ **Instructions for Part III:**

- ▼ 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.

- ▼ 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. If the basis for the term and condition is “Other,” an explanation of the basis must be provided in the “Comments” section.

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

1. For an operational restriction, clarify if appropriate monitoring, record keeping, 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 superseding language is included in the “Miscellaneous Requirements” section of the permit, explain which requirements are being superseded and which requirements are being superseded on the State-only side of the permit and why they are on the State-only side.

An explanation is not required if an “N” is noted in the “OR” column or in the “Misc” column.

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