

# Statement of Basis For Title V Permit

Company Name	<b>Owens Corning, Medina Plant</b>	
Premise Number	<b>16-52-05-0040</b>	
Number of Non-insignificant Emissions Units	<b>48</b>	
What makes this facility a Title V facility?	<b>Carbon Monoxide</b>	
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)?	<b>Yes</b>	

<b>Part II (State and Federally Enforceable Requirements)</b>			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745- )	Other	
n/a			

- **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		OR	M	R	Rp	ET	Misc	Comments
		SIP (3745- )	Other							
T008,T010, T012 -T022, T023, T026, T031- T033, T101 - T102	Exempt	21-09(L)		N	N	N	N	N	N	This storage tank is exempt from OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
T001, T004 - T007, T009, T011, T027, T029	Vapor Pressure of 1.52 psia	21-09(L)		Y	N	Y	Y	N	N	OR - The permittee shall not store any liquid that has a true vapor pressure greater than 1.52 pounds per square inch absolute.  M - Compliance with the operational restriction shall be demonstrated through record keeping requirements.  ET - Emissions testing is not needed to demonstrate compliance.
P003 - P006, P008, J001 - J003, T007 - T009, T027, T029, P101, P901 - P904, Z006 - Z007	20% opacity as a 6- minute average	17-07		Y	Y	Y	Y	N	N	OR - Emissions units equipped with a baghouse shall maintain the pressure drop within the parameters established by the manufacturer.  ET - Emissions testing is not required to demonstrate compliance.
P008	1.80 lbs/hr particulates	17-11		Y	Y	Y	Y	N	N	OR - The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.  ET - Emissions testing is not required to demonstrate compliance.
T027, T029, T030	95% control efficiency of VOC		40 CFR Part 60, Subpart Kb	Y	Y	Y	Y	Y	N	OR - The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
P003 - P006	P003, P005, P006 -40.7 lbs/hr particulates P004 - 39.2 lbs/hr particulates	17-11		Y	Y	Y	Y	Y	N	OR - The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

P003 - P006	0.60 kg particulates per megagram of asphalt		40 CFR Part 60, Subpart UU	Y	Y	Y	Y	Y	N	OR - The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
P003 - P006	0% opacity for the exhaust gases		40 CFR Part 60, Subpart UU	N	Y	Y	Y	Y	N	n/a
F104	no visible particulate emissions except for 6 minutes	17-07(B)(4)		N	Y	Y	Y	N	N	ET- Emissions testing is not needed to demonstrate compliance.
F104	RACM	17-08(B), (B)(8), (B)(9)		N	Y	Y	Y	N	N	ET- Emissions testing is not needed to demonstrate compliance.
T007 - T009, T026 - T027, T029 - T031	Visible emissions to the ambient air shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.		40 CFR Part 60, Subpart UU	Y	Y	Y	Y	N	N	OR - The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
J001 - J003, P002, Z004, Z006 - Z007, P901 - P904	20% opacity as a 3-minute average (fugitive emissions)	17-07(B)		N	Y	Y	Y	N	N	ET- Emissions testing is not needed to demonstrate compliance.
J001 - J003, P002, Z006 - Z007, P901 - P904	RACM	17-08		Y	N	N	N	N	N	OR - Emissions unit shall operate in a manner to minimize or eliminate visible emissions. ET- Emissions testing is not needed to demonstrate compliance.

J001 - J003	J001/J002 - 48.0 lbs/hr particulates J003 - 50.9 lbs/hr particulates	17-11		Y	Y	Y	Y	N	N	OR - the average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emission unit is in operation, shall not be less than 1450 degrees Fahrenheit.  ET - Emissions testing is not required to demonstrate compliance.
J001 - J003, P002	Exempt	21-07(E)		Y	Y	Y	Y	N	N	OR - The permittee shall only load asphalt which is not a photochemically reactive material.  ET - Emissions testing is not required to demonstrate compliance.
T030	The emissions unit shall be equipped with a submerged filling pipe and shall bent to a fume incinerator to control asphalt fumes.	21-09(L)		Y	Y	Y	Y	Y	N	OR - The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
Z004	RACM	17-08		N	Y	Y	Y	N	N	ET - Emissions testing is not required to demonstrate compliance.
T023, T026, T031-T033	Maintain records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.		40 CFR Part 60, Subpart Kb	N	N	Y	Y	N	N	ET - Emissions testing is not required to demonstrate compliance.

<p>Z006 - Z007, P101, P901 - P904</p>	<p>Z006/Z007 - 46.0 lbs/hr particulates, P101 - 42.0 lbs/hr particulates, P901 - 13.6 lbs/hr particulates, P902 - 34.5 lbs/hr particulates, P903 - 49.5 lbs/hr particulates, P904 - 41.1 lbs/hr particulates</p>	<p>17-11</p>		<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>N</p>	<p>OR - The pressure drop across each baghouse shall be maintained withing the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.</p> <p>ET - Emissions testing is not required to show demonstrate compliance.</p>
<p>P101, P903</p>	<p>For saturator: 0.04 kilogram/megagram of asphalt shingle. No visible emissions from the saturator capture system for more than 20% of any period consecutive valid observations totaling 60 minutes. 20% opacity for the exhaust gases.</p>		<p>40 CFR Part 60, Subpart UU</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>OR - The pressure drop across each baghouse shall be maintained withing the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.</p>
<p>P901, P902, P904</p>	<p>1% opacity for visible emissions (fugitive and stack emissions)</p>		<p>40 CFR Part 60, Subpart UU</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>Y</p>	<p>N</p>	<p>N</p>	<p>OR - The pressure drop across each baghouse shall be maintained withing the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.</p> <p>ET - Emissions testing is not required to show demonstrate compliance.</p>

EU = emissions unit id  
OR = operational restriction  
M = 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 comments. 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.