

Statement of Basis For Title V Permit

Version 2. - 3/27/98

Company Name	Martin Marietta Magnesia Specialties Inc.
Premise Number	0372000127
Number of Non-insignificant Emissions Units	18
What makes this facility a Title V facility?	PE, SO ₂ , NO _x
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	
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							
P004, P010, P011, P013, P014, P015, P019, P029, P030, P032	visible particulate emissions from the stack shall not exceed 20% opacity as a 6-minute average, except as otherwise provided by the rule	17-07(A)	N	Y	Y	Y	Y	N	N	OR- Monitoring of baghouse pressure drop range ET- The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.
F003, F004, F005, F006, F007, F008	visible particulate emissions shall not exceed 20% opacity as a 3-minute average	17-07 (B)(1)	N	Y	Y	Y	Y	N	N	OR- Monitoring of baghouse pressure drop range ET- The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.
F001	no visible particulate emissions from paved roadways, except for 6 minutes during any 60-minute period	17-07 (B)(4)	N	N	Y	Y	Y	N	N	ET- The M, R & Rp requirements are sufficient to demonstrate compliance.

F001	no visible particulate emissions from unpaved roadways, except for 13 minutes during any 60-minute period	17-07 (B)(5)	N	N	Y	Y	Y	N	N	ET- The M, R & Rp requirements are sufficient to demonstrate compliance.
F002	no visible particulate emissions from any storage pile except for a period not to exceed 13 minutes during any 60-minute observation period	17-07 (B)(6)	N	N	Y	Y	Y	N	N	ET- The M, R & Rp requirements are sufficient to demonstrate compliance.
F001, F002, F005, F008	reasonably available control measures that are sufficient to minimize or eliminate fugitive dust	17-08 (B)	N	N	Y	Y	Y	N	N	ET- The M, R & Rp requirements are sufficient to demonstrate compliance.
F003, F004, F006, F007, F008	0.03 gr/dscf or no visible emissions from stack, whichever is less stringent	17-08 (B)(3)(b)	N	Y	Y	Y	Y	N	N	OR- Monitoring of baghouse pressure drop range ET- Testing required in accordance with Engineering Guide #16.
P011	30.4 lbs PE/hr	17-11(B)	N	Y	Y	Y	Y	Y	N	OR- Monitoring of baghouse pressure drop range.

P032	23.5 lbs PE/hr	17-11(B)	N	Y	Y	Y	Y	Y	N	OR- Monitoring of baghouse pressure drop range.
P010, P013, P014	50.6 lbs PE/hr (combined hourly PE limit from baghouse exhaust stacks of P010, P013, P014)	17-11(B)	N	Y	Y	Y	Y	Y	N	OR- Monitoring of baghouse pressure drop range.
P015, P019	41.1 and PE/hr (combined hourly PE limit from baghouse exhaust stacks of P015 and P019)	17-11(B)	N	Y	Y	Y	Y	Y	N	OR- Monitoring of baghouse pressure drop range.
P015	192.3 lbs SO ₂ /hr	18-06(E)	N	Y	Y	Y	Y	Y	N	OR-Combustion of only coal.
P019	208.0 lbs SO ₂ /hr	18-06(E)	N	Y	Y	Y	Y	Y	N	OR-Combustion of only coal.
P010, P013, P014	25.0 lbs SO ₂ /ton of product	18-78 (E)(1)	N	Y	Y	Y	Y	Y	N	OR-Combustion of only coal.
P004	1.5 lbs PE/hr	31-05	N	Y	Y	Y	Y	Y	N	OR -Monitoring of baghouse pressure drop range.
P029, P030	5.0 lbs PE/hr (combined hourly PE limit from baghouse exhaust stacks of P029 and P030)	31-05	N	Y	Y	Y	Y	Y	N	OR -Monitoring of baghouse pressure drop range.
F005	8.13 TPY fugitive PM ₁₀	31-05	N	Y	Y	Y	Y	N	N	OR-Maintenance of moisture content of no less than 1.5%, by weight. ET- The M, R & Rp requirements are sufficient to demonstrate compliance.

F005	17.08 TPY fugitive PE	31-05	N	Y	Y	Y	Y	N	N	OR-Maintenance of moisture content of no less than 1.5%, by weight. ET- The M, R & Rp requirements are sufficient to demonstrate compliance.
F005	10% opacity (from specific transfer points, screens and storage bins	31-05	N	Y	Y	Y	Y	N	N	OR-Maintenance of moisture content of no less than 1.5%, by weight. ET- The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.
F005	15% opacity (from specific crushers)	31-05	N	Y	Y	Y	Y	N	N	OR-Maintenance of moisture content of no less than 1.5%, by weight. ET- The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.
F005	10% opacity from transfer points, screens and storage bins	N/A	Y	Y	Y	Y	Y	N	N	Other- NSPS, Subpart OOO OR- Maintenance of at least 1.5%, by weight, moisture content in the aggregate processed. ET- The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.
P010, P013, P014	15.42 lbs SO ₂ /ton of actual process weight input	N/A	Y	Y	Y	Y	Y	Y	N	Other- 40 CFR 52.1881(b)(26)(I) OR-Combustion of only coal.

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 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.