

## Statement of Basis For Title V Permit

Version 3. - 4/1/99

Company Name	Hamilton Foundry Division	
Premise Number	1431233202	
Number of Non-insignificant Emissions Units	20	
What makes this facility a Title V facility?	PM	
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	
B.1	77-01(U)	N	List of insignificant emissions units.

• **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							
F008, F018, P002, P005, P007, P008, P009, P011, P901, P906, P907, P908	20 % opacity from stack emissions	17-07(A) (1)	N	N	Y	Y	Y	N	N	M. Pressure drop monitored on scrubbers and baghouses. R. Records of pressure drop kept on daily basis. Rp. Deviation reporting for control device. ET. Compliance methods spelled out.  Also, for F008, F018, P906, P907 and P908:  M. Daily VE checks for abnormal VE's. R. Recordkeeping of the results of the VE monitoring required. Rp. Reports of abnormal VE's are required. ET. No testing required.
F001, F002, F003, F006, F007, F008, F016, F018, P001, P904, P906, P907, P908	20% opacity for fugitive dust	17-07(B) (1)	N	N	Y	Y	Y	N	N	M. Daily VE checks for abnormal VE's. R. Recordkeeping of the results of the VE monitoring required. Rp. Reports of abnormal VE's are required. ET. No testing required.
F001, F002, F003, F006, F007, F008, F016, F018, P001, P904, P906, P907, P908	RACM for fugitive dust	17-08(B)	N	N	Y	Y	Y	N	N	M. Daily VE checks for abnormal VE's. R. Recordkeeping of the results of the VE monitoring required. Rp. Reports of abnormal VE's are required. ET. No testing required.
F018	83% overall control efficiency	N	Y	N	N	N	Y	N	N	M. No monitoring required. R. No recordkeeping required. Rp. No reporting required. ET. Inlet/outlet testing required twice during life of permit.

F018	no VE's from roof vents and 0% opacity	N	Y	N	Y	Y	Y	N	N	M. R. Rp. ET.	Daily VE checks for abnormal VE's. Recordkeeping of the results of the VE monitoring required. Reports of abnormal VE's are required. No testing required.
F007, F008, P907, P908	8 lbs/Hr 40 lbs/Day of OC when PRM's are employed	21-07(G)	N	N	N	Y	Y	N	N	M. R. Rp. ET.	No monitoring required. Record keeping for the throughput of sand and binders are kept. Daily OC calcs performed and recorded. Deviation reporting required. No testing required.
F008	6.52 lbs of PM/Hr	17-11	N	Y	Y	Y	Y	N	N	OR. M. R. Rp. ET.	Scrubber pressure drop and pH restrictions are specified. Parametric monitoring of pressure drop and pH required. Recording of pressure drops and pH required. Quarterly scrubber pressure drop and pH deviation reports required. No testing required.
P002	6.96 lbs PM/hr	17-11	N	Y	Y	Y	Y	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Recording of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.
P005	3.38 lbs PM/hr	17-11	N	Y	Y	Y	Y	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Recording of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.
P007	14.4 lbs PM/hr	17-11	N	Y	Y	Y	Y	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Recording of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.
P008	14.0 lbs PM/hr	17-11	N	N	N	N	N	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Recording of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.
P009	11.4 lbs PM/hr	17-11	N	N	N	N	N	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Daily recordkeeping of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.
P011	10.9 lbs PM/hr	17-11	N	Y	Y	Y	Y	N	N	OR. M. R. Rp. ET.	Baghouse pressure drop restriction. Parametric monitoring of baghouse required. Recording of baghouse pressure drop required. Quarterly baghouse pressure drop deviation reports required. No testing required.

F018	6.43 lbs PM/Hr and 3.15 lbs PM-10/Hr, 17.43 TPY of PM and 7.0 TPY of PM-10, based on a rolling, twelve-month summation	N	Y Synthetic Minor	Y	Y	Y	Y	Y	Y	N	OR. Production limitation for gray iron / pressure drop limitation for the baghouse controlling the emissions unit, over-all control efficiency requirement. M. Monitoring of pressure drop and gray iron production. R. Recording of the pressure drop and gray iron production. Rp. Deviation reporting for the pressure drop and gray iron production. ET. Stack testing of PM required twice during the permit cycle.
P901	14.3 lbs PM/hr	17-11	N	Y	Y	Y	Y	Y	N	N	OR. Baghouse pressure drop restriction. M. Parametric monitoring of baghouse required. R. Recording of baghouse pressure drop required. Rp. Quarterly baghouse pressure drop deviation reports required. ET. No testing required.
P906	4.70 lbs PM/hr, 16.26 TPY of PM based on a rolling, twelve-month summation	N	Y	Y	Y	Y	Y	Y	Y	N	OR. Production limitation for gray iron / pressure drop limitation for the baghouse controlling the emissions unit, over-all control efficiency requirement. M. Monitoring of pressure drop and gray iron production. R. Recording of the pressure drop and gray iron production. Rp. Deviation reporting for the pressure drop and gray iron production. ET. Stack testing of PM required twice during the permit cycle.
P907	8.56 lbs PM/Hr	N	Y	Y	Y	Y	Y	Y	N	N	OR. Scrubber pressure drop and pH restrictions are specified. M. Parametric monitoring of pressure drop and pH required. R. Recording of pressure drops and pH required. Rp. Quarterly scrubber pressure drop and pH deviation reports required. ET. No testing required.
P908	8.56 lbs PM/Hr	N	Y	Y	Y	Y	Y	Y	N	N	OR. Scrubber pressure drop and pH restrictions are specified. M. Parametric monitoring of pressure drop and pH required. R. Recording of pressure drops and pH required. Rp. Quarterly scrubber pressure drop and pH deviation reports required. ET. No testing required.

EU = emissions unit id

OR = operational restriction

M = monitoring requirements

R = recordkeeping 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.1.1 and A.1.2 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, recordkeeping, 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.