

Statement of Basis For Title V Permit

Version 2. - 3/27/98

Company Name	Ford Motor Company, Cleveland Casting Plant	
Premise Number	13 18 12 0180	
Number of Non-insignificant Emissions Units		
What makes this facility a Title V facility?	Particulate emissions, nitrogen oxides, sulfur dioxide and organic compounds	
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	
		40 CFR 63	There is a MACT Subpart EEEEE proposed for iron foundries.

▼ **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		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
B007 B008 B010 B011	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. "The permittee shall burn only natural gas in this unit." 2. Appropriate M, R, Rp and ET have been specified.
B007 B008 B010 B011	0.02 lb PE/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. "The permittee shall burn only natural gas in this unit." 2. Appropriate M, R, Rp and ET have been specified.
B020 B021 B022 B023 B024 B025	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified. M, R: Stack opacity is monitored individually by two (2) COMs.
B020 B021 B022 B023 B024	0.12 lb PE/mmBtu of actual heat input	17-10(C)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified. COMS operating. M - Baghouse and multiclone operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
B025	0.11 lb PE/mm Btu of actual heat input	17-10(C)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified. (COMS operating) M - ESP and multiclone operational parameter (pressure drop, voltage, amps) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
B020 B021 B022 B023 B024	4.2 lbs SO ₂ /mm Btu of actual heat input	40 CFR 52.1881(b) (15)(xvii) and OAC rule 3745-18-24(Y)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified.
B025	4.2 lb SO ₂ /mm Btu of actual heat input	18-24(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified.
B025	1.65 lb SO ₂ /mm Btu of actual heat input		40 CFR 52.1881(b)(15)	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: 1. Four (4) Coal Quality Specifications have been required. 2. Appropriate M, R, Rp and ET have been specified.
B020 B021 B022 B023 B024	Start -up exemption period increased from 3 to 6 hours	17-07(A)(2) (a)(ii)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
B020 B021 B022 B023 B024	Opacity values read at an average of 4.97% for high load and at 3.38% for normal load during the last stack test that showed compliance.	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
B025	Opacity values read at an average of 1.6% without rubber and at 0.14% with 10% rubber during the last stack test that showed compliance	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
F001	work practice plan	17-08 Appendix B		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Daily inspections, minimum application frequencies 4 ½ and 6 ½ weeks.
F001	5% opacity	17-12 (I)(1)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F003	RACM	17-08(B)		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Daily inspections of all material handling operations.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F003	20% opacity, as 3-minute average	17-07 (B)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F005	20% opacity, as 6-minute average	17-07 (A)		N	N	Y	N	N	Y	N	Y	N	Y	N	Limitation - the requirements of 17-11 are less stringent than the requirements of 17-12 (I) (2) M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
F005	20% opacity, as 3-minute average	17-07 (B)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F005	73.97 lbs PE/hr	17-11		N	N	Y	N	N	Y	N	Y	N	Y	N	
F005	5.40 lbs PE/hr	17-12 (I) (2)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F023	20% opacity, as 6-minute average	31-05(A)(3) 17-07(A)(1)		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Baghouses and scrubbers operational parameters (pressure drops, scrubbers water flow rates) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
F023	0.0063 gr/acf combined PE from baghouse #56	17-12 (I)(3)(a)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F023	0.0059 gr/acf combined PE from bagnouses Nos. 53 & 54	17-12 (I)(3)(b)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F023	0.010 gr/acf combined PE from scrubbers Nos. 35 & 36	17-12 (I)(3)(c)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F023	20% opacity, as 6-minute average from any stack except stacks E-21 & E-22	17-07 (A)(1)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F023	EVELS for stacks E-21 & E-22	17-07(C)		N	N	Y	N	N	Y	N	Y	N	Y	N	
F024	20% opacity, as 6-minute average	31-05(A)(3) 17-07(A)(1)		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops, scrubbers water flow rates) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
F024	0.010 gr/acf combined PE from 7 scrubbers	17-12 (I)(3)(c)		N	N	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F025	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouses operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
F025	PE 0.0055 gr/ACF	17-12 (I) (5)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.
F026	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F026	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F027	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F027	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F028	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F028	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F029	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F029	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F030	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F030	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F031	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F031	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F032	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F032	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F033	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F033	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F034	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F034	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F035	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F035	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F036	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F036	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F037	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F037	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F038	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F038	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F039	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F039	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N1	
F040	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F040	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F041	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F041	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F042	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F042	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F043	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F043	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F044	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F044	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F045	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F045	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F046	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F046	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F047	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F047	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F048	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F048	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F049	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F049	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F050	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F050	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F051	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F051	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F052	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F052	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F053	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F053	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F054	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F054	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F055	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F055	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F056	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F056	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F057	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F057	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F058	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F058	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F059	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F059	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F060	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F060	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F061	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F061	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F062	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F062	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F063	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F063	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F064	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F064	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F065	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F065	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F066	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F066	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F067	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F067	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F068	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F068	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F069	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F069	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F070	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F070	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F071	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F071	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F072	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F072	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F073	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F073	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F074	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F074	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F075	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F075	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F076	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F076	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
F077	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F077	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
F078	20% opacity, as 3-minute average	17-07(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	M - Record of type and quantity of fuel burned other than natural gas. ET - None - Natural gas is an inherently clean fuel.
F078	RACM			N	Y	Y	N	N	Y	N	Y	N	N	N	
P026	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P026	0.005 gr/ACF	17-12 (I) (6)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P027	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouses operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P027	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day: a total of 67.4 hours; or
P027	0.014 gr/ACF	17-12 (I) (7)(b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, a total of 71.4 hours.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P028	0% opacity	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouses operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P028	10.12 lbs PE/hr; 4.34 lbs PM-10/hr; 0.005 gr/dscf PM-10 from baghouses	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:
P028	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	a total of 67.4 hours; or
P028	0.014 gr/ACF	17-12 (I) (7)(b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, a total of 71.4 hours.
P029	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouses operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P029	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:
P029	0.014 gr/ACF	17-12 (I) (7)(b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	a total of 67.4 hours; or
P029	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, a total of 71.4 hours.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P030	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>M - Baghouses operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.</p> <p>In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:</p> <p>a total of 67.4 hours; or</p> <p>If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down,</p> <p>a total of 71.4 hours.</p>
P030	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P030	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P032	20% opacity, as 6-minute average	17-07 (A) 31-05		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P032	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P032	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P033	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:
P033	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	a total of 67.4 hours; or
P035	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	If the PE from OEPA emissions unit number P045 (No. 10 Dump Station) are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:
P035	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	a total of 67.4 hours; or If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, a total of 71.4 hours.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P036	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. In accordance with OAC rule 3745-17-12 (I) (47), the operating hours for the OEPA emissions unit numbers P027 through P036 (Cleaning Line Numbers 1 through 10) shall not exceed the following during any calendar day:
P036	0.014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	a total of 67.4 hours; or If the PE from OEPA emissions unit number P045 (No. 10 Dump Station), are vented to C Unit baghouse or OEPA emissions unit number P045 is permanently shut down, a total of 71.4 hours.
P038	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
P038	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.
P039	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
P039	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.
P040	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
P040	0.0014 gr/ACF	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.
P041	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
P041	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.
P042	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit.
P042	0.011 gr/ACF	17-12 (I) (7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P050	0.014 grain acfm VE 20% opacity as a 6-min ave.	17-12(1)(7) (c) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P056	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - The pressure drops across the baghouses (2 - 4 inches water column) and the scrubber (7 - 9 inches water column) and the water flow rate (30 gallons per minute) to the scrubber unit shall be maintained within a range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.
P056	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P056	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P056	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P056	(G)(1) & (G)(2) are exempted by (G)(9)(h) and by =>98% efficy. TEA scrubber	21-07(G)(1) and (G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* The pressure drop across the TEA scrubber shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.
P056	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P056	0.01 gr PE/dscf for all stacks from rod bed scrubbers nos. 3 and 5 and from baghouses nos. 11 and 12. 0.1 lb TEA/hr from the TEA scrubber exhaust stack. Compliance with state and federal waste disposal regulations.	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M. OR - The pressure drops across the baghouse (2 - 4 inches water column), the cyclone (2 - 4 inches water column) and the scrubber (7 - 9 inches water column) and the water flow rate (30 gallons per minute) to the rod bed scrubber unit shall be maintained within a range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.
P064	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	(G)(1) is exempted by (G)(9)(c)	21-07(G)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	PE s from each of the 17 hot box core machines shall not exceed 0.0082 gr/actual cubic foot of exhaust gases.	17-12(I)(8) (g)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P064	No specific BAT limits were specified.	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P066	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR - The pressure drop across the baghouse (2 - 4 inches water column) shall be maintained within a range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.
P066	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P066	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P066	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P066	(G)(1) is exempted by (G)(9)(c)	21-07(G)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P066	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P066	PE s from each of the 7 hot box core machines shall not exceed 0.0082 gr PE per actual cubic foot of exhaust gases.	17-12(I)(8) (h)			Y	Y			Y		Y		Y	Y	
P091	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P091	0.010 gr/acf PE combined	17-12 (I) (4)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P092	20% opacity, as 6-minute average	31-05(A) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P092	0.010 gr/acf PE combined	17-12 (I) (4)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P099	20% opacity, as 6-minute average	31-05(A) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P099	0.005 gr/ACF	17-12 (I) (10)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P101	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - The pressure drops across the baghouse (2 - 4 inches water column) and the cyclones (2 - 4 inches water column) shall be maintained within a range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.
P101	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P101	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P101	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P101	(G)(1) is exempted by (G)(9)(c)	21-07(G)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P101	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P101	0.0082 gr PE/dscf 5% opacity as a 6-minute average 3.1 lbs OC/ton cores Limit core production to 25,160 tons cores over a 12-month period.	31-05(A)(3)			Y	Y			Y		Y		Y	Y	
P102	20% opacity, as 6-minute average	31-05(A) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P102	0.014 gr/acf PE	17-12(I)(7) (b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P106	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>OR - The pressure drops across the baghouse (2 - 4 inches water column) and the scrubbers (7 - 9 inches water column) and the water flow rates (30 gallons per minute) to the scrubber units shall be maintained within a range established either during the most recent emission test that demonstrated that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation.</p> <p>* The pH of the TEA scrubber shall be maintained in the range 1 - 3 at all times while the emissions unit is in operation.</p> <p>* The pressure drop across the TEA scrubber shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.</p>
P106	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P106	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P106	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P106	(G)(1) & (G)(2) are exempted by (G)(9)(h) and by =>98% efficy. TEA scrubber	21-07(G)(1) and (G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P106	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P106	0.1 lb TEA per ton process weight 1.14 lb TEA hr	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	RACM- minimize or eliminate fugitive VEs	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	10 lbs PE/hr from all stacks based on Table I - Fig.II does not apply - uncont. < 10 lbs/hr	17-11		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	(G)(1) is exempted by (G)(9)(c)	21-07(G)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P107	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P107	PE s from each of the 17 hot box core machines shall not exceed 0.0082 gr/actual cubic foot of exhaust gases.	17-12(I)(8) (f)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P110	10% opacity, 6.9 TPY PE	31-05 (A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P110	1.3 lbs PE/hr	17-12 (I) (11)		N	N	Y	N	N	Y	N	Y	N	Y	N	
P111	10% opacity, 6.9 TPY PE	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	No controls. Limit on operating hours.
P111	0.8 lb PE/hr	17-12 (I) (2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P112	10% opacity, 6.2 lbs PE/hr 12.1 TPY PE	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	No controls.
P112	10.5 lb combined PE/hr	17-12 (I) (13)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P113	1.8 lbs PE/hr; 3.5 TPY PE	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P113	0.0063 gr/acf combined PE	17-12 (I) (3)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P113	20% opacity, as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P114	10% opacity, PE: 2.5 lbs/hr; 4.9 TPY	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	The 10.5 lbs PE/hr limitation is P112 and P114. OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day.
P114	combined 10.5 lbs PE/hr	17-12 (I) (13)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P115	20% opacity, as 6-minute average; PE: 5.7 lbs/hr; 11.2 TPY	31-05 (A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P115	combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P116	20% opacity, as 6-minute average; PE: 1.6 lbs/hr; 3.1 TPY	31-05 (A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P116	combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P117	20% opacity, as 6-minute average; PE: 2.85 lbs/hr; 5.6 TPY	31-05 (A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameter (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P117	combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P118	20% opacity, as 6-minute average; PE: 1.5 lbs/hr; 2.9 TPY	31-05 (A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers and baghouses operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P118	combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P119	20% opacity as 6-minute average; PE: 2.1 lbs/hr; 4.1 TPY	31-05 (A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P119		combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P120	20% opacity, as 6-minute average; PE: 3.1 lbs/hr; 6.1 TPY	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers and cyclones operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P120	combined 9.6 lbs PE/hr	17-12 (I) (14)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P141	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P141	28.3 lbs/hr combined PE	17-12 (I) (16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P141	Stack G-36 height not < 130 ft. above ground level	17-12 (I) (48)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P142	20% opacity as a 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P142	1.8 lbs PE/hr	17-12 (I) (17)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P145	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P145	28.3 lbs/hr combined PE	17-12 (I) (16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P145	Stack G-36 height < 130 ft. above ground level	17-12 (I) (48)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P146	20% opacity as a 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P146	1.8 lbs PE/hr	17-12 (I) (19)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P147	4.4 lb/hr 64.4 hr max. operating time VE 20% opacity as 6-min average	17-12(I)(20) 17-12(I)(47)(d) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber and cyclone operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P148	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P148	13.2 lbs/hr combined PE from scrubber exits	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P148	0.0063 gr/acf combined PE from baghouse exit	17-12 (I) (3)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers and baghouses operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P149	20% opacity as 6-minute average except stack H-40	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P149	13.2 lbs/hr combined PE from scrubber exits	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P149	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P150	20% opacity as 6-minute average except stack H-40	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.

M - Daily visible emissions checks.

M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P150	13.2 lbs/hr combined PE from scrubber exits	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P150	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P151	20% opacity as 6-minute average except stack H-40	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P151	13.2 lbs/hr combined PE from scrubber exits	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P151	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P152	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P152	1.1 lbs/hr PE	17-12 (I) (22)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P153	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	N	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
				N	N	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P154	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P154	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P154	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P155	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P155	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P155	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P156	20% opacity as 6-minute average except stack H-40	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P156	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P156	combined 13.2 lbs PE/hr	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P157	20% opacity as 6-minute average except stack H-40	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.

M - Daily visible emissions checks.

M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P157	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P157	combined 13.2 lbs PE/hr	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P158	20% opacity as 6-minute average except stack H-40	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P158	EVELS for stack H-40	17-07 (C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P158	combined 13.2 lbs PE/hr	17-12 (I) (21)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P159	6.1 lb/hr PM 64.4 hr max. operating time Exempt EVELS for stacks C-18, C-19, D=32	17-12(I)(23)		N	Y	Y	N		Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
		17-12(I)(47)(d)		N	Y	Y	N		Y	N	Y	N	Y	N	M - Daily visible emissions checks.
		17-07(A)		N	Y	Y	N		Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
		17-07(C)		N	Y	Y	N		Y	N	Y	N	Y	N	
P160	5% opacity 0.01 gr/dscf combined PE	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P161	5% opacity	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter (pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
	0.01 gr/dscf combined PE														
	20% opacity as a 3-minute average	17-07(B)													
	RACM														
P161	64.4 hr max. operating time	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
		17-12(I)(47)(d)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
				N	Y	Y	N	N	Y	N	Y	N	Y	N	
P162	5% opacity	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
	0.01 gr/dscf combined PE														
P171	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P171	28.3 lbs/hr combined PE	17-12 (I)(16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P171	Stack G-36 height not < 130 ft. above ground level	17-12 (I)(48)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P172	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P172	28.3 lbs/hr combined PE	17-12 (I)(16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P172	Stack G-36 height not < 130 ft. above ground level	17-12 (I)(48)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P173	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P173	28.3 lbs/hr combined PE	17-12 (I)(16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P174	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	The combined 28.3 lbs PE/hr limitation is for emissions units P141, P145, P171, P174, P177, P901 and P902. M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day.
P174	combined 28.3 lbs PE/hr	17-12 (I) (16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P177	20% opacity as 6-minute average	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks.
P177	28.3 lbs/hr combined PE	17-12 (I) (16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P177	Stack G-36 height not < 130 ft. above ground level	17-12 (I) (48)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P178	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	The combined 28.3 lbs PE/hr limitation is for emissions units P141, P145, P171, P174, P177, P901 and P902. M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubber operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P178	combined 28.3 lbs PE/hr	17-12 (I) (24)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P179	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P179	0.0066 gr/acf combined PE/hr	17-12 (I) (24)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P180	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P180	0.0066 gr/acf combined PE/hr	17-12 (I) (24)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P181	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P181	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P181	4.8 lb/hr combined PE	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P182	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P182	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P182	4.8 lb/hr combined PE	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P183	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P183	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P183	4.8 lb/hr combined PE	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P184	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.

M - Daily visible emissions checks.

M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P184	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P184	4.8 lb/hr combined PE	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P185	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P185	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P185	4.8 lb/hr combined PE	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P186	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks.
P186	0.0063 gr/acf combined PE/hr	17-12 (I)(3)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P187	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P187	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks.
P187	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P188	4.8 lb/hr PM Exempt EVELS for stacks G-29, G-30, G-31.	17-12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day. M - Daily visible emissions checks. M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
		17-07(A)		N	N	Y	N	N	Y	N	Y	N	Y	N	
		17-07(C)		N	N	Y	N	N	Y	N	Y	N	Y	N	
				N	N	Y	N	N	Y	N	Y	N	Y	N	
P189	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P189	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks. M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P189	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P190	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.
P190	EVELS for stacks C-18, C-19, D-32	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Daily visible emissions checks. M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P190	6.1 lb/hr combined PE	17-12(I)(23)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P191	Exempt	17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - Pursuant to OAC rule 3745-17-12(I)(47)(d), the total combined operating hours for mold lines numbers 1 through 3 and 7 shall not exceed 64.4 hours during any calendar day.

M - Daily visible emissions checks.

M - Scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P191	EVELS for stacks G-29, G30, G-31	17-07(C)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P191	4.8 lb/hr combined PE	17- 12(I)(26)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P192	0.0055 grain acfm 5% opacity as 6-min average from any stack no Fugitive dust	31- 05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OAC rules 3745-17-08, OAC rules 3745-17-07(A), and OAC rules 3745-17-07-11 are all less stringent than the BAT. M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P193	0.0055 grain acfm 5% opacity as 6-min average from any stack no Fugitive dust	31- 05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OAC rules 3745-17-08, OAC rules 3745-17-07(A), and OAC rules 3745-17-07-11 are all less stringent than the BAT. M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P194	0.0055 grain acfm 5% opacity as 6-min average from any stack no Fugitive dust	31- 05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OAC rules 3745-17-08, OAC rules 3745-17-07(A), and OAC rules 3745-17-07-11 are all less stringent than the BAT. M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P290	20% opacity, as 6-minute average	31-05 (A) (3) 17-07 (A)			Y	Y			Y		Y		Y	N	Limitation - the combined 3.0 lbs PE/hr limitation is for stacks D-33 and E-19. M, OR - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * for stacks D-33 & E-19. ** STC. A.I.2.b - combined PE STC A.I.2.b - settlement agreement between Ford, ERAC, OEPA, EPA & revisions to OAC 3745-17.
P290	0.0055 gr/ACF**	17-12 (I) (5)			Y	Y			Y		Y		Y	N	
P290	combined 3.0 lbs PE/hr*	17-12 (I) (27)			Y	Y			Y		Y		Y	N	
P291	20% opacity, as 6-minute average	31-05 (A) (3) 17-07 (A)			Y	Y			Y		Y		Y	N	M, OR - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * STC. A.I.2.b - combined PE STC A.I.2.b - settlement agreement between Ford, ERAC
P291	0.0055 gr/ACF*	17-12 (I) (5)			Y	Y			Y		Y		Y	N	
P293	20% opacity, as 6-minute average	31-05 (A)(3) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P293	combined 7.7 lbs PE/hr	17-12 (I) (29)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P294	20% opacity, as 6-minute average	31-05 (A)(3) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P294	combined 7.7 lbs PE/hr	17-12 (I) (29)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P295	20% opacity, as 6-minute average	31-05 (A)(3) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P295	combined 7.7 lbs PE/hr	17-12 (I) (29)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P296	20% opacity, as 6-minute average	31-05 (A)(3) 17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks.
P296	combined 7.7 lbs PE/hr	17-12 (I) (29)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers & cyclone operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P297	2.7 lbs PM10/hr 5% opacity combined 3.2 lbs PE/hr *	31-05 (A)(3) [(17-07 (A))] [(17-12 (I) (29))]													M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. STC A.I.2.b - settlement agreement between Ford, ERAC
P298	1.4 lbs PM10/hr 20% opacity as a 6-minute average 1.7 lbs PE/hr 0.010 gr/acf & 42,000 acfm out of each scrubber * See comment	31-05 (A)(3) [(17-07 (A))] [(17-12 (I) (29))]		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * STC A.I.2.b - settlement agreement between Ford, ERAC

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P299	0.56 lb PM10/hr 20% opacity as a 6-minute average 0.69 lb PE/hr 0.010 gr/acf & ** (see comment) out of each scrubber * See comment	31-05 (A)(3) [(17-07 (A))] [(17-12 (I) (30))]		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * STC A.I.2.b - settlement agreement between Ford, ERAC ** Exhaust flow rates from each scrubber shall not exceed: • 43,750 acfm for scrubbers nos. 37, 38 & 39; and • 42,000 acfm for scrubbers nos. 43, 44, 45 & 46.
P300	4.2 lb PM10/hr 20% opacity as a 6-minute average 5.1 lb PE/hr 0.010 gr/acf & ** (see comment) out of each scrubber * See comment	31-05 (A)(3) [(17-07 (A))] [(17-12 (I) (30))]		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * STC A.I.2.b - settlement agreement between Ford, ERAC ** Exhaust flow rates from each scrubber shall not exceed: • 42,000 acfm for scrubbers nos. 43, 44, 45 & 46.
P301	5.6 lb PM10/hr 20% opacity as a 6-minute average 6.9 lb PE/hr 0.010 gr/acf & ** (see comment) out of each scrubber * See comment	31-05 (A)(3) [(17-07 (A))] [(17-12 (I) (30))]		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR -In accordance with OAC rule 3745-17-12 (I)(47)(d), the total operating hours for mold lines numbers 1 through 3, 7 and 10 shall not exceed 64.4 hours during any calendar day. Daily visual opacity checks. M - Scrubbers operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * STC A.I.2.b - settlement agreement between Ford, ERAC ** Exhaust flow rates from each scrubber shall not exceed: • 43,750 acfm for scrubbers nos. 37, 38 & 39; and • 42,000 acfm for scrubbers nos. 43, 44, 45 & 46.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P411	0.01 gr/acf for any baghouse No visible PEs	31-05 (A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR - Baghouse operational parameters(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P411	0.014 gr/ACF combined for baghouse #92	17-12 (I) (7)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P411	0.011 gr/acf combined for baghouse #94	17-12 (I) (7)(e)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P412	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers and baghouses operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.0 at all times while the emissions unit is in operation. * The pressure drops across the TEA scrubbers shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.
P412	(G)(1) & (G)(2) are exempted by (G)(9)(h) and by =>98% efficy. TEA scrubber	21-07(G)(1) and (G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P412	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P412	18.2 lbs VOC/hr 290.7 lbs VOC /day 53.1 tons VOC/ year 0.01 gr PE/dscf for stacks F-05, F-75, E-52, D-46, E-22 & E-21 *PE= 1.4 lbs/hr = 6.3 tons/yr PM10=1.24 lbs/hr =5.46 tons/yr No visible PEs *PM10=87.3% PE	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* Daily visual emissions checks.
P414	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	0

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P414	(G)(1) & (G)(2) are exempted by (G)(9)(h) and by =>98% efficy. TEA scrubber	21-07(G)(1) and (G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P414	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P414	<p>Use of a scrubber to control TEA emissions from core machines at 99% control.</p> <p>Use of water-based non-photochemically reactive core wash.</p> <p>63.7 lbs VOC/hr from all core machines and from all core wash dry ovens combined.</p> <p>Usage limit of no more than 168,860 tons of cores processed per rolling 12-month period.</p> <p>5% opacity</p> <p>0.01 gr PE/dscf for stacks D-45, J-62, K-11, and</p> <p>*PE= 0.67 lb/hr = 1.28 tons/yr</p> <p>PM10=0.58 lb/hr =1.12 tons/yr</p> <p>*PM10=87.3%PEPPPP</p>	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P415	5% opacity No visible fugitive emissions 0.01 gr/acf combined PE; PE shall not exceed 0.74 lb/hr or 3.23 TPY	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Baghouse operational parameter(pressure drop) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P416	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubbers and baghouses operational parameters(pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift was chosen as a reasonable and practical monitoring frequency.
P416	(G)(1) & (G)(2) are exempted by (G)(9)(h) and by =>98% efficy. TEA scrubber	21-07(G)(1) and (G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* pH of the TEA scrubbers shall be maintained at or below 4.0 at all times while the emissions unit is in operation.
P416	0.02 lb/mmBtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* The pressure drops across the TEA scrubbers shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

* Daily visual emissions checks.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P416	<p>Use of a scrubber to control triethylamine (TEA) emissions from core machines at 99% control.</p> <p>Use of water-based no-VOC core wash.</p> <p>12.20 lbs VOC/hr 195.1 lbs VOC /day 23.5 tons VOC/ year from all core machines and from core wash and drying ovens combined.</p> <p>Usage limit of no more than:</p> <p>8.41 tons cores/ hr; 135 tons cores/ day; and 32,300 tons cores produced per rolling 12-month period.</p> <p>0.01 gr PE/dscf for stacks F-05, F-75, E-52, D-46, E-22 & E-21 *PE= 1.4 lbs/hr = 6.3 tons/yr PM10=1.24 lbs/hr =5.46 tons/yr</p>	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P416	5% opacity . 0.01 gr PE/dscf for stacks D-45, H-49 and H-50 *PE=0.57 lb/hr =1.1 tons PE/yr PM10=0.50 lb/hr =0.96 ton/yr PM10=87.3(PE)	Continued 31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P702	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P702	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P703	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P703	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P704	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P704	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P705	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P705	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P707	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P707	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P708	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P708	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P709	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P709	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P710	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P710	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P711	PE: 0.005 gr/acf; 0.129 lb/hr; 0.398 TPY; 5% opacity as a 6-minute average; 0.0.16 lb TEA/hr; Use of a 99% efficient (for TEA) acid scrubber; Compliance with Air Toxics Policy; Use of no more than 12,449.4 lb sand/hr; See Comments for combined limits	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M - Scrubber operational parameter (scrubber liquor pH and recirculation rate) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * pH of the TEA scrubbers shall be maintained at or below 4.5 Standard Units at all times while any core machine is in operation. * Weekly visual PE emissions checks. The BAT for core-making machines #1 through 10: 1. Compliance with the terms and conditions of PTI #13-03354; 2. The use of a 99% efficient by weight (for TEA) acid packed tower scrubber; 3. Compliance with the Air Toxics Policy. The combined limits for core-making machines #1through 10: 0.005 gr PE/acf; 30,000 acfm thru' the scrubber; 1.286 lbs PE/hr; 3.981TPY PE; and 5% opacity as a 6-minute average. OC emissions inclding TEA: 57.834 TPY OC TEA emissions: 1.134 TPY TEA Maximum usages of no more than: 131 core packages/hr; 360,000 core packages/yr; 32.75 tons sand/hr; and 90,000 tons sand/yr as a rolling, 12-month summation.
P711	OC emissions shall not exceed: 8 lbs/hr; and 40 lbs/day	21-07(G)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P712	Combined limits for P712 & P713 vented to a common 70,000 acfm baghouse: 0.005 gr PE/acf; 5% opacity as a 6-minute average; PE: 3 lbs /hr; 9.288 TPY OC: 41.265 lbs/hr; 56.70 TPY	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity; * The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and * Daily record of the pressure drop across the baghouse at the beginning of each shift;

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P714	0.005 gr PE/acf; PE: 4.071 lbs/hr; 12.605 TPY. NOx: 4.62 lbs/hr; 20.236 TPY. CO: 1.155 lbs/hr; 5.059 TPY. SO2: 0.02 lb/hr; 0.0867 TPY OC: 26.082 lbs/hr; 51.030 TPY from thermal breakdown of binders. OC; 0.092 lbs/hr; 0.402 TPY from natural gas combustion. 5% opaciaty as a 6-minute average. BAT: * PTI #13-3354; * use of a baghouse; * low NOx technology; and * a 85% by weight OC reduction efficiency thermal incinerator.	31- 03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity; * The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and * Daily record of the pressure drop across the baghouse at the beginning of each shift; * The maximum annual number of core packages processed and the maximum annual operating hours for this emissions unit shall not exceed 360,000 and 6,192 respectively based upon a rolling, 12-month summation of the core package figures and the operating hours.
P715	0.005 gr PE/acf; PE: 1.286 lbs/hr; 3.981 TPY. 5% opaciaty as a 6-minute average	31- 03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity; * The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and * Daily record of the pressure drop across the baghouse at the beginning of each shift; * The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P720	0.005 gr PE/acf; PE: 1.286 lbs/hr; 5.631 TPY. NOx: 2.100 lbs/hr; 9.198 TPY. CO: 0.525 lbs/hr; 2.300 TPY. SO2: 0.009 lb/hr; 0.039 TPY OC; 0.042 lbs/hr; 0.183 TPY. 5% opacity as a 6-minute average from any stack.. BAT: * PTI #13-3354; * low NOx technology.	31- 03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity;
P724	PE for P724: 0.005 gr PE/acf; 0.57 lb/hr; 1.76 TPY. 5% opacity as a 6-minute average from any stack. Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY. All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.	31- 03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack; * The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and * Daily record of the pressure drop across the baghouse at the beginning of each shift; * The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P725	<p>PE for P725: 0.005 gr PE/acf; 0.171 lb/hr; 0.53 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>
P729	<p>PE for P729: 0.005 gr PE/acf; 0.171 lb/hr; 0.53 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P733	<p>PE for P733: 0.005 gr PE/acf; 0.171 lb/hr; 0.53 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>
P735	<p>PE for P735: 0.005 gr PE/acf; 0.257 lb/hr; 0.796 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P741	<p>PE for P741: 0.005 gr PE/acf; 0.64 lb/hr; 1.99 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>
P742	<p>PE for P742: 0.005 gr PE/acf; 0.086 lb/hr; 0.27 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P744	<p>PE for P744: 0.005 gr PE/acf; 0.09 lb/hr; 0.279TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>
P745	<p>PE for P745: 0.005 gr PE/acf; 0.04 lb/hr; 0.13 TPY.</p> <p>5% opacity as a 6-minute average from any stack.</p> <p>Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY.</p> <p>All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.</p>	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack;</p> <p>* The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and</p> <p>* Daily record of the pressure drop across the baghouse at the beginning of each shift;</p> <p>* The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.</p>

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P746	PE for P746: 0.005 gr PE/acf; 0.086 lb/hr; 0.27 TPY. 5% opacity as a 6-minute average from any stack. Combined PE for all sand handling emissions units (Eus): 0.005 gr PE/acf; 3.43 lb/hr; 10.6 TPY. All sand handling EUs are vented to the baghouse using a flow rate no > 80,000 acfm.	31-03(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* M, OR: * Weekly checks for visible particulate emissions in excess of 5% opacity from any stack; * The pressure drop across the baghouse shall be maintained within a range established either during the most recent emission test that demonstrate that the emissions unit was in compliance or by the manufacturer's written recommendation while the emissions unit is in operation; and * Daily record of the pressure drop across the baghouse at the beginning of each shift; * The maximum annual operating hours for this emissions unit shall not exceed 6,192 based upon a rolling, 12-month summation of the operating hours.
P901	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M, OR - Scrubbers operational parameters (scrubbers pressure drops and water flow rates) and afterburner temperature monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * Daily visual particulate emissions checks.
P901	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	RACM 0.03 gr/dscf	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	a. 29.1 lb primary PE/hr b. Tapping PEs shall be vented to stack G-36	17-12(I)(38) (a) & (b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	Total operating hours for cupolas P901 thru' P905 and P907 shall not exceed 64 hours during any calendar day	17-12(I)(47) (c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	CO to be combusted at minimum 1300 deg. F. and 0.3 second in a direct flame afterburner or equivalent.	21-08(D)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	Limits equivalent to 17-07(A)(1) & 21-08(D)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P901	6.0 lbs SO2/ton of actual process weight	18-24(Z)	52.1881(b) (15)(xviii)	N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P901	Combined PE from P141, P145, P171 thru' P174, P177, P901 tapping &)902 tapping shall not exceed 28.3 lbs/hr.	17-12(I)(16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M , OR - Scrubbers operational parameters (scrubbers pressure drops and water flow rates) and afterburner temperature monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency. * Daily visual particulate emissions checks.
P902	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	RACM 0.03 gr/dscf	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	a. 27.4 lb primary PE/hr b. Tapping PEs shall be vented to stack G-36	17-12(I)(38) (a) & (b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	Total operating hours for cupolas P901 thru' P905 and P907 shall not exceed 64 hours during any calendar day	17-12(I)(47) (c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	CO to be combusted at minimum 1300 deg. F.and 0.3 second in a direct flame afterburner or equivalent.	21-08(D)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	Limits equivalent to 17-07(A)(1) & 21-08(D)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	6.0 lbs SO2/ton of actual process weight	18-24(Z)	52.1881(b) (15)(xviii)	N	Y	Y	N	N	Y	N	Y	N	Y	N	
P902	Combined PE from P141, P145, P171 thru' P174, P177, P901 tapping &)902 tapping shall not exceed 28.3 lbs/hr.	17-12(I)(16)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P903	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M , OR - The venturi and marble bed scrubbers operational parameters (pressure drops and water flow rates) and afterburner temperature monitoring provides indication of ongoing compliance with the emissions limit.
P903	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P903	RACM 0.03 gr/dscf	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift daily was chosen as a reasonable and practical monitoring frequency.
P903	a. 27.4 lb primary PE/hr b. Tapping PEs from stack E-25 shall not exceed 1.5 lbs/hr.	17-12(I)(40) (a) & (b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* Daily visual particulate emissions checks.
P903	Total operating hours for cupolas P901 thru' P905 and P907 shall not exceed 64 hours during any calendar day	17-12(I)(47) (c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P903	CO to be combusted at minimum 1300 deg. F.and 0.3 second in a direct flame afterburner or equivalent.	21-08(D)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P903	Equivalent to 17-07(A)(1) & 21-08(D)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P903	6.0 lbs SO2/ton of actual process weight	18-24(Z)	52.1881(b) (15)(xviii)	N	Y	Y	N	N	Y	N	Y	N	Y	N	
P907	20% opacity, as 6-minute average	17-07 (A)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M , OR - The baghouse, venturi and marble bed scrubbers operational parameters (pressure drops and the water flow rates to the venturi and marble bed) and afterburner temperature monitoring provides indication of ongoing compliance with the emissions limit.
P907	20% opacity, as 3-minute average	17-07 (B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P907	RACM 0.03 gr/dscf	17-08(B)		N	Y	Y	N	N	Y	N	Y	N	Y	N	Once per shift daily was chosen as a reasonable and practical monitoring frequency.
P907	a. 26.8 lb primary PE/hr b. Tapping PEs from stack C-23 shall not exceed 1.5 lbs/hr.	17-12(I)(43) (a) & (b)		N	Y	Y	N	N	Y	N	Y	N	Y	N	* Daily visual particulate emissions checks.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other 40 CFR 52												
P907	Total operating hours for cupolas P901 thru' P905 and P907 shall not exceed 64 hours during any calendar day	17-12(I)(47)(c)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P907	CO to be combusted at minimum 1300 deg. F.and 0.3 second in a direct flame afterburner or equivalent.	21-08(D)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P907	Limits equivalent to 17-07(A)(1) & 21-08(D)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P907	6.0 lbs SO2/ton of actual process weight	18-24(Z)	52.1881(b)(15)(xviii)	N	Y	Y	N	N	Y	N	Y	N	Y	N	
P908	0.011 gr/acf combined PE for baghouse #94; 0.014 gr/acf combined PE for baghouse #92.	17-12(I)(7)(e)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M , OR - The baghouses operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency.
P908	0.011 gr/acf combined PE for baghouse #82	17-12(I)(7)(a)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P908	20% opacity, as 6-minute average	17-07(A)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P908	Settlement agreement between permittee, OEPA & USEPA	17-12(I)(7)(f)		N	Y	Y	N	N	Y	N	Y	N	Y	N	
P912	20% opacity, as 6-minute average	17-07(A)(1)		N	Y	Y	N	N	Y	N	Y	N	Y	N	M , OR - The scrubbers operational parameters (pressure drops) monitoring provides indication of ongoing compliance with the emissions limit. Once per shift daily was chosen as a reasonable and practical monitoring frequency.
P912	0.010 g/acf from each of scrubbers Nos. 4 & 6	17-12 (I)(45)		N	Y	Y	N	N	Y	N	Y	N	Y	N	

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.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, 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.