

Statement of Basis For Title V Permit

Part I - General

Company Name	Superior Forge and Steel Corporation	
Premise Number	0302020300	
What makes this facility a Title V facility?	CO, NOx, PE	
Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	YES	
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	NO	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	N/A	

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		<u>Comments</u>
	SIP (3745-)	Other	
A.1		40 CFR, Part 64	States applicability of CAM rule.

C

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.

Part III (Requirements Within the State and Federally Enforceable Section)															
Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.															
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												
P002, P051	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.	17-07(A)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET-The M, R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings being conducted.

P011, P012, P024, P025, P026, P027, P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P052, P053	Exempt	17-07(A)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND-This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P020, P022	None	17-07(B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND-This emissions unit is exempt from the visible particulate emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e). M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.

P020, P022	None	17-08(B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND-This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (it is located outside the city of Lima in Allen County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B). M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P051	0.020 lb PE/mmBtu	17-10(B)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	OR- Combust only natural gas. M and R includes type of fuel and fuel usage. A CEM is not economically justified. CAM is not applicable. ET-Calculations based on appropriate emission factors, maximum hourly fuel usage and dividing by maximum heat input capacity are sufficient to show compliance, therefore, no testing is required.
P002	26.6 lbs PE/hr	17-11(B)	N	N	N	Y	N	N	Y	N	Y	N	Y	N		

P011, P012, P024, P025, P026, P027, P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P052, P053	Exempt	17-11(B)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND-The uncontrolled mass rate of particulate emissions (PE)* from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14). * The burning of natural gas is the only source of PE from this emissions unit. M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P051	Exempt	18-06(A)	N	Y	N	N	N	N	N	N	N	N	N	N	N	ND-The emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A). M, R, Rp & ET-There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.

P002	153.2 lbs SO ₂ /hr	18-06(E)	N	N	N	N	N	N	N	N	N	N	N	N	N	M, R & Rp-The actual SO ₂ emissions from this unit are assumed to be minor, therefore, it is not necessary to develop monitoring, recordkeeping and reporting requirements to ensure compliance with this limitation. ET-Calculations based on the appropriate emission factor and the maximum hourly process weight rate are sufficient to show compliance, therefore, no testing is required.
P011, P012, P027, P030, P031	656.3 lbs SO ₂ /hr	18-06(E)	N	N	N	N	N	N	N	N	N	N	N	N	N	M, R & Rp-The actual SO ₂ emissions from this unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO ₂ emissions), therefore, it is not necessary to develop monitoring, recordkeeping and reporting requirements to ensure compliance with this limitation. ET-Compliance with this limitation shall be assumed as long as natural gas is the only fuel combusted in this emission unit.
P024, P025, P026, P028, P052	259.3 lbs SO ₂ /hr	18-06(E)	N	N	N	N	N	N	N	N	N	N	N	N	N	M, R & Rp-The actual SO ₂ emissions from this unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO ₂ emissions), therefore, it is not necessary to develop monitoring, recordkeeping and reporting requirements to ensure compliance with this limitation. ET-Compliance with this limitation shall be assumed as long as natural gas is the only fuel combusted in this emission unit.
P029, P045, P046, P047, P048, P049, P050, P053	541.3 lbs SO ₂ /hr	18-06(E)	N	N	N	N	N	N	N	N	N	N	N	N	N	M, R & Rp-The actual SO ₂ emissions from this unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO ₂ emissions), therefore, it is not necessary to develop monitoring, recordkeeping and reporting requirements to ensure compliance with this limitation. ET-Compliance with this limitation shall be assumed as long as natural gas is the only fuel combusted in this emission unit.

P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P042, P043, P044	412.5 lbs SO ₂ /hr	18-06(E)	N	N	N	N	N	N	N	N	N	N	N	N	N	M, R & Rp-The actual SO ₂ emissions from this unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO ₂ emissions), therefore, it is not necessary to develop monitoring, recordkeeping and reporting requirements to ensure compliance with this limitation. ET-Compliance with this limitation shall be assumed as long as natural gas is the only fuel combusted in this emission unit.
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EU = emissions unit ID

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

OR = operational restriction

M = monitoring requirements

St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement

ENF = did noncompliance issues drive the monitoring requirements?

R = record keeping requirements

Rp = reporting requirements

ET = emission testing requirements (not including compliance method terms)

Misc = miscellaneous requirements

C Instructions for Part III:

- C 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.
- C If the SIP (not including OAC rule 3745-31-05) 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 OAC rule 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. If OAC rule 3745-31-05 is cited in the "Other" column, please indicate in the "Comments" section whether or not all of the requirements have been transferred from the permit to install.
- 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. If a brief explanation is provided in the "Comments" section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the "Comments" section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering

Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value) corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the "Monitoring," "Record Keeping," or "Reporting" requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the "Monitoring," "Record Keeping," or "Reporting" requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an emission test frequency, a simple note referencing the Engineering Guide in the "Comments" section would be sufficient.

Also, if a "Y" is noted under "OR," "Misc," "St," "ND," or "ENF" an explanation of the requirements must be provided in the "Comments" section. In addition to a general explanation of the "OR," "Misc," "St," "ND," and/or "ENF" the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and 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 the "ND" column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
2. If the "ENF" column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an "N" is noted in the "OR," "Misc," "St," "ND," or "ENF" columns.

- **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Please provide enough of a description for someone wishing to review the changes to the permit language to be able to identify where the change is made in the permit document. This brief description should be identified in the appropriate row in the first table of this form by replacing the "N/A" in the applicable row(s). Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the "Comments" area. Please update the term-specific text in the SOB as warranted (full insertion or replacement is acceptable; bold italic and strike out is not needed). Note all modification/reopening rows should remain "N/A" when developing the SOB during the initial permit development. Note: APA's and Off-permit changes do not need to be noted in the SOB.