

Statement of Basis For Title V Permit

Company Name	The Timken Company - Bearing Plant	
Premise Number	1576050614 (TVP004)	
Number of Non-insignificant Emissions Units	8	
What makes this facility a Title V facility?	Potential emissions of carbon monoxide, nitrogen oxides, particulates, sulfur dioxide, and volatile organic compounds exceed those levels which trigger Title V thresholds.	
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	
A.1	77-01(Q)		Clarification - two separately permitted facilities are now combined pursuant to OAC rule 3745-77-01(Q).

- **Instructions for Part II:**

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. Whether the basis for the term and condition is the "SIP" or "Other," an explanation of each term and condition in Part II must be provided in the "Comments" section.

- If there were any "common control" issues associated with this facility, after the table for Part II, provide a summary of those issues and explain how the DAPC decided to resolve them.

Part III (Requirements Within the State & Federally Enforceable Section)

EU(s)	Limitation	Basis		OR	M	R	Rp	ET	Misc	Comments
		SIP (3745-)	Othe r							
B302, B303, and B304	.020 lb of particulate s/MMBtu	17- 10(B)(1)		n	n	n	n	y	n	M, R, and Rp - When fired with number two fuel oil or natural gas, these are inherently clean emissions units based upon our knowledge and experience in regulating these types of emissions units. ET- If required, Methods 1-5 shall be employed to demonstrate compliance with this emission limitation.
B302, and B303	20% opacity as a 6-minute average except as provided by rule	17-07(A)		n	y	y	y	y	n	When fired with number two fuel oil or natural gas, these are inherently clean emissions units based upon our knowledge and experience in regulating these types of emissions units. When fired with number six fuel oil, daily visible emission checks shall be performed. ET- If required, Method 9 shall be employed to demonstrate compliance with this emission limitation.
B304	20% opacity as a 6-minute average except as provided by rule	17-07(A)		n	y	y	y	y	n	The continuous opacity monitoring system will be used to ensure ongoing compliance with the visible particulate emission limitations.
B302	.20 lb of particulate s/MMBtu	17- 10(C)(1)		n	y	y	y	y	n	When fired with number six fuel oil, daily visible emission checks shall be performed. ET- If required, Methods 1-5 shall be employed to demonstrate compliance with this emission limitation.
B303	.19 lb of particulate s/MMBtu	17- 10(C)(1)		n	y	y	y	y	n	When fired with number six fuel oil, daily visible emission checks shall be performed. ET- If required, Methods 1-5 shall be employed to demonstrate compliance with this emission limitation.
B304	.17 lb of particulate s/MMBtu	17- 10(C)(1)		y	y	y	y	y	n	OR - Total combined power input restriction for ESP
B302, and B304	3.08 lbs of sulfur dioxide/M MBtu		52.1 881(b)(2 7)(vi) (A)	y	y	y	y	y	n	OR - The quality of oil must meet a sulfur content and heat content that are sufficient to comply with the allowable sulfur dioxide emission limitation. ET- If required, Methods 1-4 and 6 shall be employed to demonstrate compliance with this emission limitation.

B303	0.93 lb of sulfur dioxide/MBtu		52.1 881(b)(2) 7)(vi) (B)	y	y	y	y	y	n	OR - The quality of oil must meet a sulfur content and heat content that are sufficient to comply with the allowable sulfur dioxide emission limitation. ET- If required, Methods 1-4 and 6 shall be employed to demonstrate compliance with this emission limitation.
B303, and B304	none	21-08		n	n	n	n	n	n	The design of the emissions units and the technology associated with the current operating practices will satisfy the requirement to minimize the carbon monoxide emissions from these emissions units.
B303, and B304	none	23-06		n	n	n	n	n	n	The design of the emissions units and the technology associated with the current operating practices will satisfy the requirement to minimize the nitrogen oxides emissions from these emissions units.
K308	.551 lb of particulate s/hr	17-11(B)		y	y	y	y	y	n	OR - The emissions unit shall only be operated when the dry filtration system is in service. The operational restriction along with the associated monitoring and/or record keeping and reporting requirements will help ensure compliance with the OAC Chapter 3745-17 rules. ET- Compliance based upon worst case emission calculation.
K308	20% opacity as a 6-minute average except as provided by rule	17-07(A)		y	y	y	y	y	n	OR - The emissions unit shall only be operated when the dry filtration system is in service. The operational restriction along with the associated monitoring and/or record keeping and reporting requirements will help ensure compliance with the OAC Chapter 3745-17 rules. ET- If required, Method 9 shall be employed to demonstrate compliance with this emission limitation.
K308	none	21-09(U)(1)		n	y	y	y	n	n	This emissions unit is exempt from the emission limitations specified in OAC rule 3745-21-09(U)(1) provided that the permittee does not employ more than 10 gallons of coatings per day.
P301	2.91 lbs of particulate s/hr	17-11(B)		y	y	y	y	y	n	ET- If required, Methods 1-5 shall be employed to demonstrate compliance with this emission limitation.
P380 and P381	15.8 lbs of particulate s/hr	17-11(B)		n	y	y	y	y	n	OR - Baghouse pressure drop restriction. ET- If required, Methods 1-5 shall be employed to demonstrate compliance with this emission limitation.
P301	20% opacity as a 6-minute average except as provided by rule	17-07(A)		n	y	y	y	y	n	ET- If required, Method 9 shall be employed to demonstrate compliance with this emission limitation.

P380, and P381	20% opacity as a 6-minute average except as provided by rule	17-07(A)		y	y	y	y	y	n	OR - Baghouse pressure drop restriction. ET- If required, Method 9 shall be employed to demonstrate compliance with this emission limitation.
P301	14.2 lbs of sulfur dioxide/hr	18-06(E)(1)		n	n	n	n	y	n	M, R, and Rp - Compliance with this emission limitation is assumed due to the negligible concentration of sulfur, by weight, in the gaseous fuel used to fire this emissions unit. ET- If required, Methods 1-4 and 6 shall be employed to demonstrate compliance with this emission limitation.
P380 and P381	77.1 lbs of sulfur dioxide/hr	18-06(E)(1)		n	n	n	n	y	n	ET- If required, Methods 1-4 and 6 shall be employed to demonstrate compliance with this emission limitation.
P302	none	17-11		n	n	n	n	n	n	M, R, Rp, and ET - The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. 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, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.
P302	none	17-07(A)		n	n	n	n	n	n	M, R, Rp, and ET - This emissions unit is exempt from the visible particulate emission 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.
P302	none	18-06		n	n	n	n	n	n	M, R, Rp, and ET - This emissions unit is exempt from the provision of OAC rule 3745-18-06(E)(1) because the emissions unit's maximum process weight is less than 1000 lbs/hr.

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.