

# Statement of Basis For Title V Permit

Company Name	Wright-Patterson Air Force Base	
Premise Number	0829700441	
What makes this facility a Title V facility?	Carbon Monoxide, Nitrogen Oxides, Sulfur dioxide, Particulates, and Hazardous air pollutants	
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 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	

<b>Part II (State and Federally Enforceable Requirements)</b>			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745- )	Other	
A.1. A.2. A.3.	N	Y	The permittee may be subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD and Miscellaneous Metal Parts and Products surface coating, 40 CFR Part 63, SubpartMMMM.

▼ **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 & Federally Enforceable Section)**

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B113	0.020 lb particulate emissions per mmBtu actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>M: The permittee shall monitor the type of fuel burned in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B113	Opacity shall not exceed 20% as a 6-minute average, except as provided by rule	17-07 (A)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>M: The permittee shall monitor the type of fuel burned in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B113	sulfur content shall not exceed 0.5% by weight of fuel oil burned	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: NSPS 40 CFR Part 60, Subpart Dc</p> <p>M: The permittee shall monitor the oil supplier's analysis of the fuel oil received for sulfur content.</p> <p>ET: No emissions testing is required. Compliance is based upon fuel analysis with monitoring, record keeping, and reporting of the fuel oil sulfur content.</p>
B113	0.335 lb/hour particulate emissions, 2.4 lbs/hr Nox, 8.48 lbs/hr SO <sub>2</sub> , 1.41 lbs/hr CO, and 0.10 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-1984</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly fuel burning capacity of this emissions unit by the applicable AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B113	1.47 TPY particulates , 10.5 TPY Nox, 3.80 TPY SO2, 6.18 TPY CO, 0.40 TPY OC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-1984</p> <p>OR: The permittee is restricted to a maximum annual fuel oil usage limitation.</p> <p>ET: Testing is not necessary, compliance is based upon record keeping.</p>
B118, B302, B307, B308, and B609	0.020 lb particulate emissions per mmBtu actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>OR: The permittee is restricted to the burning of only natural gas in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B118, B302, B307, B308, and B609	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>OR: The permittee is restricted to the burning of only natural gas in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B118	0.27 lb/hr particulate emissions, 1.42 lbs/hr Nox, 0.01 lb/hr SO2, 1.41 lbs/hr CO, and 0.10 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3672</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly gas burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B118	0.93 TPY particulate emissions, 3.65 TPY Nox, 0.03 TPY SO2, 3.78 TPY CO, 0.26 TPY OC	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3672</p> <p>ET: Testing is not required to demonstrate compliance. Compliance is based upon record keeping.</p>
B302	0.42 lb/hr particulate emissions, 2.93 lbs/hr Nox, 0.013 lb/hr SO2, 1.76 lbs/hr CO, 0.12 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3429</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly gas burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>
B302	1.83 TPY particulate emissions, 12.8 TPY Nox, 0.055 TPY SO2, 7.71 TPY CO, 0.53 TPY OC	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3429</p> <p>ET: Testing is not required. Compliance is based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B307 and B308	1.94 lbs/hour particulate emissions, 11.63 lbs/hour Nox, 0.059 lb/hour SO2, 8.25 lbs/hour CO, and 0.57 lb/hour OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(D), PTI 08-3441</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly gas burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>
B307 and B308	5.21 TPY particulates , 31.26 TPY Nox, 0.16 TPY SO2, 22.18 TPY CO, and 1.53 TPY OC, all as rolling, 12- month summation s	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(D), PTI 08-3441</p> <p>OR: The permittee is restricted to a maximum annual natural gas usage of 528 mmcf based on a rolling, 12-month summation.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon recordkeeping.</p>
B309, B310, B311, B606, B607, and B608	Opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	Y	N	N	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05 (A)(3); PTI 08-4162</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B309	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-186; 08-4162  OR: The maximum allowable heat input of 169 mmBtu corresponds to a steam load of 136,000 pounds per hour. The steam flow rate shall not exceed 136,000 pounds per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.
B309	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-186; 08-4162  OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.
B309, B310, B311, B606, B607, and B608	combined particulate emission rates of 155 TPY from all six coal-fired boilers	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-186; 08-185 ;08-187; 08-181; 08-182; 08-183; 08-4162  OR: No operational restrictions are necessary to demonstrate compliance. Compliance shall be based upon record keeping.
B309, B310, B311, B606, B607, and B608	combined sulfur dioxide emission rate of 2626 TPY from all six-boilers	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-186; 08-185 ;08-187; 08-181; 08-182; 08-183; 08-4162  OR: No operational restrictions are necessary to demonstrate compliance. Compliance shall be based upon record keeping.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B310	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-185; 08-4162</p> <p>OR: The maximum allowable heat input of 169 mmBtu corresponds to a steam load of 136,000 pounds per hour. The steam flow rate shall not exceed 136,000 pounds per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.</p>
B310	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-185; 08-4162</p> <p>OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.</p>
B311	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-187; 08-4162</p> <p>OR: The maximum allowable heat input of 169 mmBtu corresponds to a steam load of 136,000 pounds per hour. The steam flow rate shall not exceed 136,000 pounds per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.</p>
B311	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-187; 08-4162</p> <p>OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B312	0.020 lb particulate emissions per mmBtu actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee is restricted to the burning of only natural gas, JP-4, JP-8, or kerosene in this emissions unit.  ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.
B312	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee is restricted to the burning of only natural gas, JP-4, JP-8, or kerosene in this emissions unit.  ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.
B312	7.66 lbs/hr Nox, 21.75 lbs/hr SO2, 4.48 lbs/hr CO, 0.21 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	Basis: 31-05(A)(3), PTI 08-3705  These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly fuel burning capacity of this emissions unit by the specified AP-42 emission factor.  Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B312	0.44 TPY particulate emissions, 3.06 TPY Nox, 8.70 TPY SO2, 1.79 TPY CO, 0.08 TPY OC all as rolling, 12-month summations	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3705</p> <p>OR: The permittee is restricted to maximum annual operating hours as a rolling, 12-month summation.</p> <p>ET: No emissions testing is required. Compliance is based upon record keeping.</p>
B315	0.040 lb particulate emissions per mmBtu actual heat input	17-11 (B)(4)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>OR: The permittee is restricted to the use of JP-8 fuel in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B315	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>OR: The permittee is restricted to the use of JP-8 fuel in this emissions unit.</p> <p>ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.</p>
B315	0.5 pound of SO2 emissions per mmBtu actual heat input	18-06 (F)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>OR: The permittee is restricted to the use of a fuel quality with a sulfur content sufficient to meet the sulfur dioxide emission limitation.</p> <p>ET: No emissions testing is required. Compliance shall be based upon the fuel supplier analyses and calculated SO2 emission rate.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B315	350 lbs/week OC, 2100 lbs/week CO, 1155 lbs/week Nox	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	Basis: 31-05(A)(3), PTI 08-4062  ET: Testing is not required, compliance is based upon record keeping.
B315	1.75 TPY OC, 10.5 TPY CO, 5.78 TPY Nox	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	Basis: 31-05(A)(3), PTI 08-4062  ET: Testing is not required, compliance is based upon record keeping and is a sum of the weekly emission rates for the calendar year.
B604, B605, B657, and B660	0.020 lb particulate emissions per mmBtu actual heat input	17-10 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee is restricted to the burning of only natural gas or No. 1 fuel oil in this emissions unit.  ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.
B604, B605, B657, and B660	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee is restricted to the burning of only natural gas or No. 1 fuel oil in this emissions unit.  ET: No emissions testing is required. Compliance is based upon the burning of only inherently clean fuels with monitoring, record keeping, and reporting for deviations.
B604	0.61 TPY particulate emissions  7.66 TPY SO2	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis: 31-05(A)(3), PTI 08-179  OR: The permittee is restricted to a maximum annual fuel oil usage limitation.  ET: Testing is not required, compliance shall be based upon record keeping.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B605	0.61 TPY particulate emissions  7.66 TPY SO2	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis: 31-05(A)(3), PTI 08-180  OR: The permittee is restricted to a maximum annual fuel oil usage limitation.  ET: Testing is not required, compliance shall be based upon record keeping.
B606	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-181; 08-4162  OR: The maximum allowable heat input of 160 mmBtu corresponds to a coal input rate of 6.15 tons per hour. The coal input rate shall not exceed 6.15 tons per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.
B606	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-181; 08-4162  OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.
B607	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-182; 08-4162  OR: The maximum allowable heat input of 160 mmBtu corresponds to a coal input rate of 6.15 tons per hour. The coal input rate shall not exceed 6.15 tons per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.
B607	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 31-05(D), PTI 08-181; 08-4162  OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
B608	0.10 lb particulates per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-183; 08-4162</p> <p>OR: The maximum allowable heat input of 160 mmBtu corresponds to a coal input rate of 6.15 tons per hour. The coal input rate shall not exceed 6.15 tons per hour. The pressure drop across the baghouse shall be maintained within the range of 0.5-6.5 inches of water while th emissions unit is in operation.</p>
B608	2.00 lbs SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis: 31-05(D), PTI 08-183; 08-4162</p> <p>OR: The permittee shall burn coal of a quality with a sulfur content sufficient to meet the emission limitation.</p>
B609	2 lbs/hour particulates , 0.12 lb NOx/mmBtu 11.98 lbs/hour Nox, 0.056 lb/hour SO2, 7.81 lbs/hour CO, and 0.54 lb/hour OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(D), PTI 08-3436</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly gas burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
B609	5.54 TPY particulates , 33.2 TPY NOx, 0.15 TPY SO2, 21.66 TPY CO, and 1.5 TPY OC all as rolling 12-month summations	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(D), PTI 08-181; 08-4162</p> <p>OR: The permittee is restricted to a maximum annual natural gas usage of 528 mmcf based on a rolling, 12-month summation.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon recordkeeping.</p>
B657	0.3 lb SO2 per mmBtu actual heat input	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(D), PTI 08-181; 08-3483</p> <p>OR: The permittee is restricted to a fuel oil sulfur content of 0.3% by weight.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping of the oil supplier's analysis of the fuel oil sulfur content and the calculated SO2 emission rate.</p>
B657	12.19 TPY SO2, as a rolling, 12-month summation	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(D), PTI 08-181; 08-3483</p> <p>ET: No emissions testing is necessary to demonstrate compliance. Compliance shall be based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
B657	0.27 lb/hr particulate emissions, 1.95 lbs/hr Nox, 1.09 lbs/hr CO, 0.076 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3483</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly fuel burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>
B657	0.82 TPY particulate emissions, 5.89 TPY Nox, 3.31 TPY CO, 0.23 TPY OC	N	Y	N	N	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3483</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
B660	0.38 lb/hour particulate emissions, 2.78 lbs/hr Nox, 4.93 lbs/hr SO2, 1.53 lbs/hr CO, 0.11 lb/hr OC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3554</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly fuel burning capacity of this emissions unit by the specified AP-42 emission factor.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with the hourly emission limitations.</p>
B660	1.24 TPY particulate emissions, 8.66 TPY Nox, 1.65 TPY SO2, 5.01 TPY CO, 0.35 TPY OC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3554</p> <p>OR: The permittee shall comply with the maximum annual operating hours and fuel oil usage limitations.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K601	less than or equal to 5 gallons/day coating and cleanup usage	21-09 (U)(2) (e)(i)	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05 (A)(3); PTI 08-2870</p> <p>OR: The permittee is restricted to the use of less than or equal to 5 gallons of coating and cleanup material per day.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.</p>
K601	95.9 lbs/day VOC	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-2870</p> <p>This limit was established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum daily coating and cleanup material usages by the respective maximum VOC contents.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with this emission limitations.</p>
K601	12.42 TPY VOC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-2870</p> <p>OR: The permittee is restricted to the use of less than or equal to 5 gallons/day of coating and cleanup materials.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
K608, K609, and K610	less than or equal to 8 gallons/day coating usage	21-09 (U)(2) (e)(i)	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3); 08-2815; 08-2814; 08-2813</p> <p>OR: The permittee is restricted to the use of less than or equal to 8 gallons of coating per day.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K608	40 gal/month coating and cleanup usage 160 lbs VOC/month 1.0 TPY VOC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-2815</p> <p>OR: The permittee is restricted to a maximum monthly coating and cleanup material usage.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
K609	40 gal/month coating and cleanup usage 160 lbs VOC/month 1.0 TPY VOC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-2813</p> <p>OR: The permittee is restricted to a maximum monthly coating and cleanup material usage.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
K610	40 gal/month coating and cleanup usage 160 lbs VOC/month 1.0 TPY VOC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-2814</p> <p>OR: The permittee is restricted to a maximum monthly coating and cleanup material usage.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
K607	less than or equal to 7 gallons/day coating and cleanup usage	21-09 (U)(2) (e)(i)	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 31-05 (A)(3); PTI 08-3167</p> <p>OR: The permittee is restricted to the use of less than or equal to 7 gallons of coating and cleanup per day.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments	
		SIP (3745- )	Other													
K607	49.6 lbs VOC/day	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3167</p> <p>This limit was established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum daily coating and cleanup material usages by the respective maximum VOC contents.</p> <p>Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with this emission limitations.</p>
K607	7 TPY VOC	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	N	<p>Basis: 31-05(A)(3), PTI 08-3167</p> <p>OR: The permittee is restricted to a maximum daily coating and cleanup usage of 7 gallons.</p> <p>M: The permittee shall monitor the coating and cleanup usage.</p> <p>R: The permittee shall maintain daily records of the coating and cleanup usage and monthly records of the calculated VOC emission rate.</p> <p>Rp: The permittee shall submit deviation reports identifying any exceedances of the maximum daily coating and cleanup usage limitation.</p> <p>ET: Testing is not required, compliance is based upon record keeping.</p>
K601	0.551 lb/hour particulates	17-11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	<p>OR: The permittee shall operate the water wash exhaust system whenever the emissions unit is in operation.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K601	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee shall operate the water wash exhaust system whenever the emissions unit is in operation.  ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.
K607	0.551 lb/hour particulates	17-11 (B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee shall operate the dry filter exhaust system whenever the emissions unit is in operation.  ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.
K607	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR: The permittee shall operate the dry filter exhaust system whenever the emissions unit is in operation.  ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.
K608, K609, and K610	0.551 lb/hour particulates	17-11 (B)(1)	N	N	Y	N	N	N	N	N	N	N	N	N	OR: The permittee shall apply coatings in a hangar in which air flow is directed downward onto or across the part being coated. Coating shall be applied by brush and/or HVLP application techniques.  Monitoring, record keeping, reporting, and testing requirements are not necessary. Compliance is based upon the air flow design requirements and the use of brush and HVLP coating application techniques.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
K608, K609, and K610	opacity shall not exceed 20% as a 6-min average, except as provided by rule	17-07 (A)	N	N	Y	N	N	N	N	N	N	N	N	N	OR: The permittee shall apply coatings in a hangar in which air flow is directed downward onto or across the part being coated. Coating shall be applied by brush and/or HVLP application techniques.  Monitoring, recordkeeping, reporting, and testing requirements are not necessary. Compliance is based upon the air flow design requirements and the use of brush and HVLP coating application techniques.
K608, K609, and K610	cleaning solvent requirements	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	Basis: 40 CFR Part 63 Subpart GG  These requirements apply unless the solvent used is classified as a cleaning solvent that contains no organic HAP or VOC as identified in 40 CFR 63.744(b)(1) or the cleaning solvent contains HAP or VOC at a concentration less than 0.1% for carcinogens or 1.0% for non-carcinogens, as determined from manufacturer's representations:  OR: Place cleaning solvent-laden cloth, paper, or other applicators in bags or other closed containers upon completing their use. Store fresh and spent cleaning solvents in closed containers. Conduct the handling and transfer of cleaning solvents to and from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in a manner that minimizes spills.  ET: Emissions testing is not required to demonstrate compliance. Compliance is based upon the manufacturer's composition information and compliance with the specified work practices.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K608, K609, and K610	cleaning solvents for hand- wipe cleaning	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 40 CFR Part 63 Subpart GG</p> <p>Cleaning solvent containing HAP or VOC at a concentration less than 0.1% for carcinogens or 1.0% for non-carcinogens, as determined from manufacturer's representations are exempt from these requirements.</p> <p>OR: Meet one of the composition requirements in 40 CFR 63.744(b)(1) or have a composite vapor pressure of 45 mmHG or less at 20 degrees Celsius.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance is based upon coating composition from either USEPA Method 24 or manufacturer's formulation data.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K608, K609, and K610	Spray gun cleaning (enclosed systems, nonatomize d cleaning, disassembl ed spray gun cleaning, and atomizing cleaning)	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 40 CFR Part 63 Subpart GG</p> <p>Cleaning operations using solvents containing HAP or VOC at a concentration less than 0.1% for carcinogens or 1.0% for non-carcinogens, as determined from manufacturer's representations are exempt from these requirements.</p> <p>OR: <u>Enclosed system</u> - Clean spray gun in enclosed system that is closed at all times except when inserting/removing spray gun.</p> <p><u>Nonatomized cleaning</u> - Clean spray gun by placing cleaning solvent in pressure pot and forcing it through the gun with atomizing cap in place. No atomizing air is to be used. Direct cleaning solvent from spray gun into a closed waste container.</p> <p><u>Dissambled spray gun cleaning</u> - Disassemble spray gun and clean components by hand in a vat which is closed when not in use.</p> <p><u>Atomizing cleaning</u> - Clean spray gun by forcing the cleaning solvent through the gun and directing the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance is based upon monthly inspections and repair of leaks.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K608, K609, and K610	350 g/l (2.9 lb/gal) less water organic HAP and 350 g/l (2.9 lb/gal) less water and exempt solvents VOC emissions from primers;  420 g/l (3.5 lb/gal) less water organic HAP emissions and 420 g/l (3.5 lb/gal) less water and exempt solvents VOC emissions from topcoats and self-priming topcoats	N	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	Basis: 40 CFR Part 63 Subpart GG  OR: The primers shall be limited to organic HAP emissions of less than or equal to 350 g/l (2.9 lbs/gal) less water as applied and VOC emissions of less than or equal to 350 g/l (2.9 lbs/gal) less water and exempt solvents as applied. The topcoats, including self-priming topcoats, are limited to organic HAP emissions of less than or equal to 420 g/l (3.5 lbs/gal) less water as applied and VOC emissions of less than or equal to 420 g/l (3.5 lbs/gal) less water and exempt solvents as applied.

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
K608, K609, and K610	control air stream from this operation by passing the air stream through a water wash system before exhausting it to the atmosphere	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis: 40 CFR Part 63 Subpart GG</p> <p>OR: The coating operation shall be shutdown and not resumed if the water wash system does not operate within the manufacturer's recommended parameters.</p> <p>ET: Emissions testing is not required, compliance is based upon the water flow rate monitoring of the water wash system.</p>
N303	0.10 lb particulate emissions per 100 lbs refuse charged	17-09 (B)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>OR: The permittee shall maintain a primary combustion chamber exit temperature of 1200 degrees Fahrenheit, secondary chamber exit temperature of 1690 degrees Fahrenheit, and tertiary chamber exit temperature of 1800 degrees Fahrenheit. The permittee shall employ a lockout system that prevents the charging of waste to the primary chamber when the exit temperature of the secondary or tertiary chamber is less than 1600 degrees Fahrenheit.</p>
N303	opacity shall not exceed 5% as a 6-min average, except as provided by rule	17-07 (A)(1)	Y	N	Y	Y	N	N	Y	N	Y	N	Y	N	<p>Basis:31-05 (A)(3) ; PTI 08-3594</p> <p>OR: The permittee shall maintain a primary combustion chamber exit temperature of 1200 degrees Fahrenheit, secondary chamber exit temperature of 1690 degrees Fahrenheit, and tertiary chamber exit temperature of 1800 degrees Fahrenheit. The permittee shall employ a lockout system that prevents the charging of waste to the primary chamber when the exit temperature of the secondary or tertiary chamber is less than 1600 degrees Fahrenheit.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
N303	0.35 lb/hour particulate emissions	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>OR: The permittee shall maintain compliance with the primary, secondary, and tertiary minimum combustion chamber temperatures. The maximum amount of waste charged to the incinerator is restricted to 350 lbs/hour.</p> <p>ET: Compliance was demonstrated during a performance test on 7/31/97 with results of 0.21 lb/hour. Additional testing shall be conducted if required.</p>
N303	0.67 TPY particulate emissions	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>OR: The permittee is restricted to a maximum of 350 lbs/hour waste charged to the incinerator.</p> <p>ET: Testing is not required, compliance is based upon record keeping and is determined by multiplying the amount of waste charged for the year by the tested emission factor.</p>
N303	0.55 lb/hour Nox, 0.56 lb/hour SO2, 0.05 lb/hour CO, 1.34 lbs/hour Hcl	N	Y	N	N	N	N	N	N	N	N	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>These limits were established to reflect the potential to emit for this emissions unit. Compliance can be determined by multiplying the maximum hourly waste material charging rate by the applicable emission factor. Therefore, it is not necessary to develop operational, monitoring, record keeping, and/or reporting requirements in order to ensure compliance with these emission limitations.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
N303	1.06 TPY Nox, 1.08 TPY SO2, 0.10 TPY CO, 2.57 TPY Hcl	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>OR: The permittee is restricted to a maximum of 350 lbs/hour waste charged to the incinerator.</p> <p>M: The permittee shall monitor the amount of waste charged to the incinerator.</p> <p>R: The permittee shall maintain daily records of the amount of waste charged.</p> <p>Rp: The permittee shall submit deviation reports identifying any exceedances of the charging rate within 45 days after the exceedance.</p> <p>ET: Testing is not required, compliance is based upon record keeping and is determined by multiplying the amount of waste charged for the year by the applicable emission factor.</p>
N303	0.28 lb/hour chromium	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>OR: The permittee is restricted to the type of chromium materials charged to the incinerator and to a maximum of 350 lbs waste charged per hour.</p> <p>ET: Compliance was demonstrated during a stack test conducted on 7/31/97 with results of 0.0000206 lb/hour chromium. If required, additional stack testing shall be conducted.</p>
N303	0.54 TPY chromium	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-3594</p> <p>OR: The permittee is restricted to a maximum of 350 lbs/hour waste charged to the incinerator.</p> <p>ET: Testing is not required, compliance is based upon record keeping and is determined by multiplying the amount of waste charged for the year by the tested emission factor.</p>

EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745- )	Other												
P310	16.12 TPY particulates , 20.80 TPY NOx, 1.33 TPY SO2, 13.52 TPY HC, and 16.02 TPY CO, all as rolling, 12-month summations	N	Y	N	Y	Y	N	N	Y	N	Y	N	N	N	<p>Basis:31-05 (A)(3); PTI 08-2744</p> <p>OR: The permittee is restricted to an annual fuel usage as a rolling, 12-month summation.</p> <p>ET: Emissions testing is not required to demonstrate compliance. Compliance shall be based upon record keeping.</p>

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

▼ **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 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.
4. 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.