

Statement of Basis For Title V Permit

Part I - General

Company Name	Crown Equipment		
Premise Number	03 06 00 0112		
What makes this facility a Title V facility?	VOC		
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 - A.6		40 CFR 63	40 CFR 63.340 et seq. (MACT Subpart NNNN - Chromium Electroplating)

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	Comments
		SIP (3745-)	Other												
K003 K011	3.0 lb VOC/gal	21-09 (U)(1)(i)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material composition tracking. ET - No stack testing is required. Compliance can be demonstrated based on the record keeping requirements.
K007 K009	35.0 lb OC/hr * 7.0 lb OC/hr *	31-05		N	N	N	N	N	N	N	N	N	N	N	M, R, Rp, ET - None - The hourly OC emission limitation for coatings represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation. * coating emissions
K007 K009	205 lb OC /month * (each)	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * clean-up emissions
K007	1.07 lb PE /hr, 4.69 ton /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Operational tracking of water curtain. Daily was chosen as a reasonable and practical monitoring frequency. PE CEMS technology not yet feasible. ET - None - per Ohio EPA Engineering Guide 16

K007 K009 K012 K014	3.5 lb VOC /gal	21-09 (U)(1)(c)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material composition tracking. ET - No stack testing is required. Compliance can be demonstrated based on the record keeping requirements.
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												
K007 K009 K010	0% opacity	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M -Water curtain operational tracking provides indication of ongoing effective PM control, and therefore indication of ongoing compliance with the opacity limit. Daily was chosen as a reasonable and practical monitoring frequency. COMS not economically justified. ET - None normally required for opacity alone.
K007 K009	53.7 tons OC /yr * 17.0 tons OC /yr *	31-05 (C)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * clean-up emissions
K007 K009	See OR in comments	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - OC content restrictions for coating and clean-up materials M - Material composition tracking. ET - No stack testing is required. Compliance can be demonstrated based on the record keeping requirements.
K009	0.21 lb PE /hr, 0.94 ton /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Operational tracking of water curtain. Daily was chosen as a reasonable and practical monitoring frequency. PE CEMS technology not yet feasible. ET - None - per Ohio EPA Engineering Guide 16
K010	37.9 lb OC /day	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * coating emissions

K010	335 lb OC /month 0.60 ton OC /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * clean-up emissions
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												
K010	0.20 lb PE /hr, 0.88 ton /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Operational tracking of filters. Daily was chosen as a reasonable and practical monitoring frequency. PE CEMS technology not yet feasible. ET - None - per Ohio EPA Engineering Guide 16
K010	less than 10 gallons coating usage per day *	21-09 (U)(2)(e) (iii)		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - less than 10 gallons coating usage per day * M - Tracking of coating usage. * each emissions unit
K011 K012 K014	2.0 lb OC/hr * 7.0 lb OC/hr * 2.45 lb VOC/hr *	31-05		N	N	N	N	N	N	N	N	N	N	N	M, R, Rp, ET - None - The hourly OC emission limitation for coatings represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation. * coating emissions
K011 K012	8.76 ton OC /yr 30.7 ton OC /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * coating emissions

K012	205 lb OC /month; 1.23 ton OC /yr *	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * clean-up emissions
K014	103 lb OC /month; 0.62 ton OC /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material tracking information allows for direct mass balance calculation of emissions. CEMS would therefore be unnecessary. ET - None - Mass balance from MR&R used as compliance determination. * clean-up emissions
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												
K015	3.5 lb VOC /gal	21-09 (U)(1)(d)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Material composition tracking. ET - No stack testing is required. Compliance can be demonstrated based on the record keeping requirements.
N002	0.17 lb PE /hr, 0.74 ton /yr	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - Operational restrictions for afterburner, including interlocks with combustion temperature trigger - also material charge prohibitions. M - Operational tracking of afterburner For each batch. PE CEMS technology not yet feasible. ET - None - per Ohio EPA Engineering Guide 16
N002	5% opacity *	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	* 5% opacity, except for 6 minutes in a 60-minute period not exceeding 10%. OR, M - Afterburner monitoring for PE also serves as monitoring for opacity. ET - None normally required for opacity alone.
N002	0.20 lb PE / 100 lb charge	17-09 (B)		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - Operational restrictions for afterburner, including interlocks with combustion temperature trigger - also material charge prohibitions. M - Operational tracking of afterburner For each batch. PE CEMS technology not yet feasible. ET - None - per Ohio EPA Engineering Guide 16
P001	5.4 lb PE /hr	17-11 (B)(2)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16

P001	20% opacity	17-07 (A)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring for PE also serves as monitoring for opacity. ET - None normally required for opacity alone.
P002	1.02 lb PE /hr; 4.5 ton PE /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
P002	20% opacity	17-07 (A)		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring for PE also serves as monitoring for opacity. ET - None normally required for opacity alone.
P010	0.60 lb PE /hr; 2.63 ton PE /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												
P010 P012	5% opacity	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring for PE also serves as monitoring for opacity. ET - None normally required for opacity alone.
P010 P012	0.01 gr /DSCF	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
P011	1.56 lb PE /hr; 6.83 ton PE /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
P011	0% opacity	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring for PE also serves as monitoring for opacity. ET - None normally required for opacity alone.
P011	0.02 gr /DSCF	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
P012	0.60 lb PE /hr; 2.63 ton PE /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Baghouse pressure drop monitoring. ET - None - per Ohio EPA Engineering Guide 16
K003 K011 K012 K014 K015	N/A	17-11 (A)		Y	N	N	N	N	N	N	N	N	N	N	ND - 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)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).

K003 K011 K012 K014 K015	N/A	17-07 (A)		Y	N	N	N	N	N	N	N	N	N	N	N	ND - 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 OAC rule 3745-17-11 is not applicable.
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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.

C **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.