

Statement of Basis For Title V Permit

Part I - General

Company Name	Evergreen Landfill		
Premise Number	03 87 00 0259		
What makes this facility a Title V facility?	Title V facility by rule (40 CFR 60 NSPS Subpart WWW)		
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		Comments
	SIP (3745-)	Other	
A.1		40 CFR 63	This facility is subject to the requirements of 40 CFR 63.1930 et seq. - MACT Subpart AAAAA (See attachment A of the permit)

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												
F005	194 tons PE /yr	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	M - Fugitive dust visual inspections twice daily. Also - employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust ET - None normally required for fugitive particulate emissions from roadways. (Compliance is based on AP-42 emission factors.)
F005	visible emissions restriction *	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	* no visible particulate emissions except for one minute during any 60-minute period (for paved roadways) * no visible particulate emissions except for 3 minutes during any 60-minute period (for unpaved roadways) M - Fugitive dust visual inspections twice daily. Also - employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust ET - None normally required for opacity.
F005 P901	N/A	17-08 (B)		Y	N	N	N	N	N	N	N	N	N	N	ND - This emissions unit(s) is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
F005 P901	N/A	17-07 (B)		Y	N	N	N	N	N	N	N	N	N	N	ND - This emissions unit(s) is exempt from the VE limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
P901	collection and control for NMOC*		40 CFR 60.752	N	Y	Y	N	N	Y	N	Y	N	Y	N	* active gas collection system - and flare, used for back-up to the electrical IC generators OR - Various operational requirements established by NSPS Subpart WWW M - Various monitoring requirements established by NSPS Subpart WWW ET - Various testing requirements established by NSPS Subpart WWW.
P901	misc. asbestos waste practices	31-05 *		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - Various operational requirements. * M - Various monitoring requirements. * ET - None normally required for asbestos. * * requirements based largely on OAC 3745-20-06 and 40 CFR 61.154
P901	fugitive emission rates: 8750 tons methane /yr 56.1 tons NMOC /yr	31-05		N	N	N	N	N	N	N	N	N	N	N	M, R, Rp - Compliance with the limit is based on AP-42 emission factors; therefore, it is not necessary to develop monitoring, record keeping and reporting requirements to ensure compliance with this limit. ET - No emissions testing currently required for fugitive emissions at landfills.
P901	see comments *	31-05		N	N	N	N	N	N	N	N	N	N	N	* emissions limits for flare: 53.5 lbs CO/hr; 234 tons CO/yr 9.83 lbs NOx/hr; 43.1 tons NOx/yr 2.16 lbs SO2/hr; 9.46 tons SO2/yr 0.77 lb NMOC/hr; 3.37 tons NMOC/yr 120 lb CH4/hr; 525 tons CH4/yr 1.04 lb of HCl/hr; 4.56 tons HCl/yr 2.46 lbs PM10/hr; 10.8 tons PM10/yr M, R, Rp - Compliance with the limit is based on AP-42 emission factors; therefore, it is not necessary to develop monitoring, record keeping and reporting requirements to ensure compliance with this limit. ET - None normally required for a flare.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
P901	180 tons fugitive PE /yr	31-05		N	N	N	N	N	N	N	N	N	N	N	M - Fugitive dust visual inspections daily. Also - employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust ET - None normally required for fugitive particulate emissions from landfills. (Compliance is based on AP-42 emission factors.)
P901	visible emissions restriction *	31-05		N	N	N	N	N	N	N	N	N	N	N	* Visible fugitive PE shall not exceed 20% opacity as a three-minute average from operations not associated with asbestos-containing material (ACM)
P002	see comments *	31-05		N	N	N	N	N	N	N	N	N	N	N	* combustion emissions limits: 6.51 lb NOx/hr (see also item below) 1.40 lbs CO/hr; 2.4 tons CO/yr 0.43 lbs SO2/hr; 0.7 tons SO2/yr 0.52 lb OC/hr; 0.9 tons OC/yr 0.46 lbs PM10/hr; 0.8 tons PM10/yr M, R, Rp - Compliance with the hourly limit is based on AP-42 emission factors; compliance with the annual limit is based on maximum hours of operation; therefore, it is not necessary to develop monitoring, record keeping and reporting requirements to ensure compliance with this limit. ET - None - per Ohio EPA Engineering Guide 16
P002	11.2 tons NOx/yr *	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	* 11.2 tons NOx per rolling 12-month period OR - 3432 hr/yr maximum operation M - Tracking of annual hours of operation ET - None - per Ohio EPA Engineering Guide 16
P002 P005	0.31 lb PE /mmBtu	17-11 (B)(5)(a)		N	N	N	N	N	N	N	N	N	N	N	OR - Must burn only No. 2 fuel oil (an inherently clean fuel for PE) M - Tracking for any day where a fuel other than No. 2 fuel oil was used. ET - None - 'Static' AP-42 emission factor calculation at maximum capacity determines compliance.

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
P002	20 % opacity	17-07 (A)		N	N	Y	N	N	Y	N	Y	N	N	N	OR - Must burn only No. 2 fuel oil (an inherently clean fuel for PE and opacity) M - Tracking for any day where a fuel other than No. 2 fuel oil was used. ET - None normally required for opacity alone.
P005	see comments *	31-05		N	N	N	N	N	N	N	N	N	N	N	* combustion emissions limits: 12.4 lb NOx/hr (see also item below) 2.66 lbs CO/hr; 4.85 tons CO/yr 0.81 lbs SO2/hr; 1.49 tons SO2/yr 0.98 lb OC/hr; 1.79 tons OC/yr 1.59 tons PE/yr M, R, Rp - Compliance with the hourly limit is based on AP-42 emission factors; compliance with the annual limit is based on maximum hours of operation; therefore, it is not necessary to develop monitoring, record keeping and reporting requirements to ensure compliance with this limit. ET - None - per Ohio EPA Engineering Guide 16
P005	22.5 tons NOx/yr	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - 3650 hr/yr maximum operation M - Tracking of annual hours of operation ET - None - per Ohio EPA Engineering Guide 16
P005	10% opacity	31-05		N	N	Y	N	N	Y	N	Y	N	N	N	* except during start-up and shut-down OR - Must burn only No. 2 fuel oil (an inherently clean fuel for PE and opacity) M - Tracking for any day where a fuel other than No. 2 fuel oil was used. ET - None normally required for opacity alone.

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.