

# Statement of Basis For Title V Permit

Part I - General	
Company Name	Ford Lima Engine Plant
Premise Number	0302020243
What makes this facility a Title V facility?	OC, CO, NOx, PM, SO2
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)	P111 - (MC Y-26) mist collector Y-26 for machining operations, PTI #03-16010, new emissions unit P116 - (MC W-03) mist collector W-03 for machining operations, PTI #03-16010, new emissions unit
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)	P050 - dynamometer test cells - West Side, PTI #03-16144, increase in emissions limitations and include NOx & OC in syn. minor P051 - dynamometer test cells - East Side, PTI #03-16144, increase in emissions limitations and include NOx & OC in syn. minor
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	N	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	Comments
		SIP (3745-)	Other												
P050, P051	40.8 lbs NOx/hr; 3.4 lbs OC/hr; 21.1 lbs CO/hr; use of TO w/ 100% capture & 95% destruction by wt.	N	31-05(A)(3)	N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - engine testing cells shall not operate when the average combustion temperature in the TO is more than 50 degrees F below the average temperature during the most recent emissions test that demonstrated compliance. Also, maximum fuel usage of 150,000 gallons per rolling 12 months. M, R, & Rp - CAM is applicable to OC and CO. ET - required for NOx lbs/hr.

P050, P051	Group limit for P050 & P051, per rolling 12-months: 38.3 tons NOx; 19.8 tons CO; 3.2 tonsOC	N	31-05(C)	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - engine testing cells shall not operate when the average combustion temperature in the TO is more than 50 degrees F below the average temperature during the most recent emissions test that demonstrated compliance. Also, maximum fuel usage of 150,000 gallons per rolling 12 months. M, R, Rp - CAM is applicable to OC and CO. ET - The M, R, Rp are sufficient to demonstrate compliance.
P050, P051	none	17-11(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - The UMRE is less than 10 lbs/hr, therefore Fig. II n/a pursuant to OAC rule 3745-17-11(A)(2)(a)(ii). Also, Table I is n/a because the PWR as defined in OAC rule 3745-17-01(B)(14) is equal to zero (only gaseous and liquid fuels are introduced into process for the purpose of combustion). M, R, Rp & ET - There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P050, P051	none	17-07(A)	N	Y	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.
P050, P051	none	18-06(G)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(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.
P050, P051	none	21-08(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with BAT requirements pursuant to OAC rule 3745-31-05(A)(3). The requirement to satisfy "best available control techniques and operating practices" is no longer a state requirement, but this change has not yet been approved by USEPA as a SIP revision. M, R, Rp & ET - There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P050, P051	none	N	40 CFR Part 63, Subpart P P P P P	Y	N	N	N	N	N	N	N	N	N	N	ND - existing emissions unit exempt pursuant to 40 CFR Part 63.9290(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.

P111	0.20 lbs PE/hr; 0.88 ton PE/yr; 0.21 lb / OC/hr; 5.30 tons OC/yr.	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET - if required.
P116	0.11 lbs PE/hr; 0.48 ton PE/yr; 1.59 lb / OC/hr; 6.96 tons OC/yr.	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET - if required.
P111, P116	Visible PE emissions shall not exceed 10% opacity, as a six-minute average.	N	31-05(A)(3)	N	N	Y	N	N	Y	N	Y	N	N	N	ET - if required.
P111, P116	none	17-11(B)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). M, R, Rp & ET - There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P111, P116	none	17-07(A)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - The visible emissions limitation specified by this rule is less stringent than the visible emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). M, R, Rp & ET - There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.
P111, P116	none	21-07(G)(2)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). M, R, Rp & ET - There are no emissions limitations established pursuant to this rule, therefore, no monitoring, recordkeeping, reporting or emissions testing is required.

R001	equivalent to compliance with 17-11 (B), 17-07(A), & 21-09(U)(2)(e)	N	31-05	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - permittee shall use dry filtration system whenever this emissions unit is in operation. ET - if required for PE and opacity.
R001	0.551 lb PE/hr	17-11(B)(1)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - permittee shall use dry filtration system whenever this emissions unit is in operation. ET - if required.
R001	Visible PE shall not exceed 20% opacity, as a 6-minute average except as provided by rule.	17-07(A)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	OR - permittee shall use dry filtration system whenever this emissions unit is in operation. ET - if required.
R001	coating usage of < 10 gallons/ day	21-09(U)(2)(e)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET - The M, R, Rp are sufficient to demonstrate compliance.

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.