

# Statement of Basis For Title V Permit

Company Name	Cinergy Solutions of St. Bernard	
Premise Number	1431394148	
What makes this facility a Title V facility?		
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.1-3		40 CFR Part 63	There is a proposed MACT standard for this facility.
A.4	OAC Chapter 14		NOx Budget Trading Program requirements.
A.5	25-03		Emission action control program requirements.
A.6	OAC Chapter 14	40 CFR Part 61	Asbestos renovation and demolition requirements
A.7		40 CFR Part 82	
A.8	OAC Chapter 77		Listing of insignificant emission units.
A.9			operations prohibited

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)															
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												
B022	20% opacity as a six-minute average	17-07(A)	N	N	N	Y	N	N	Y	N	Y	N	N	N	<p>COM Required</p> <p>OR-The PE are vented to an ESP that should be operated at all times other than when the temp. of the exhaust gases are below 250 deg F. Also, coal/oil quality requirements are included in this section.</p> <p>M&amp;R-Continuous opacity measurements and certification of COM, parametric monitoring of ESP, and coal/oil quality are collected and recorded.</p> <p>Rp-Excess opacity, excursions and coal/oil quality are reported.</p> <p>ET-Stack testing shall be conducted for PM emission limitation in accordance with 40 CFR Part 60 Appendix A, Methods 1-5.</p> <p>Misc-Quality assurance/control plan for COM required.</p>
	0.13 lb. PE/MMBtu	17-10(C)	N	N	Y	Y	N	N	Y	N	Y	N	Y	Y	

B022	2.0 lbs. SO2/MMBtu  avg. op. rate not to exceed 450 MMBtu/hr in any day  stack shall be no lower than 213 ft. above ground level	18- 37(GG ) (4)	N	N	Y	Y	N	N	Y	N	Y	N	Y	N	CAM is not applicable  OR-Coal/oil quality requirements M&R-Coal/oil quality records and excursion records are collected and kept. Rp-Coal/oil quality and excursions are reported. ET-No testing required to demonstrate compliance. Misc-none
B043	20% opacity as a six- minute average, except for one six- minute period per hour of not more than 27 percent opacity  0.02 lb PM10/MM Btu 21.47 TPY PM/PM10	N  31- 05(A) (3)  31- 05(D)	40 CFR Part 60 Subpa rt Db  N	N  N	N  Y	Y  Y	N  N	N  N	Y  Y	N  N	Y  Y	N  N	N  Y	N  Y	CAM is not applicable  OR-No operational restrictions required to demonstrate compliance. M&R-One hour visible emissions test required each day fuel oil used. Rp- Deviation when VE test not performed ET- Emissions testing is not necessary to demonstrate compliance. Misc. -None  OR-B021 shutdown at startup of B043. Boiler is limited by fuel usage restrictions. M&R-No monitoring and recordkeeping required to demonstrate compliance. Rp-Annual report of PM/PM10 emissions. Deviation for fuel usage. ET-Stack testing shall be conducted for PM emission limitation in accordance with 40 CFR Part 60 Appendix A, Methods 1-5. Misc-None.
	9E-6 lb Pb/MMBtu (oil) 5E-7 lb Pb/MMBtu (gas) 0.0015 TPY Pb	31- 05(A) (3)  31- 05(D)	N	N	N	N	N	N	N	N	N	N	N	N	CAM is not applicable  OR- No operational restrictions are necessary to show compliance. CAM is not applicable at this time. M- No monitoring requirements are necessary to show compliance. R- No record keeping requirements are necessary to show compliance Rp- No reporting requirements are necessary to show compliance ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.

	0.50 lb SO2/MMBtu (oil) 0.006 lb SO2/MMBtu (gas)	31-05(A)(3)	40 CFR Part 60 Subpart Db	N	Y	Y	N	N	Y	N	Y	N	N	Y	CAM is not applicable  OR-Sulfur content and heat content restrictions are in place. B021 shutdown with B043 startup. Fuel usage restrictions. M-Sulfur content and heat content analysis is performed on all shipments of oil. R- Records of the sulfur content and heat content analysis are maintained. Rp- Deviation reporting for any calculated SO2 exceedence and fuel usage is in place. Annual SO2 emission report required. ET- Emissions testing is not necessary to demonstrate compliance. Misc. -None
	0.10 lb Nox/MMBtu (gas >61.25 MMBtu/hr)  0.17 lb Nox/MMBtu (oil >61.25 MMBtu/hr)  0.20 lb Nox/MMBtu (gas or oil <61.25 MMBtu/hr)  114.82 TPY NOx	31-05(A)(3)  31-05(D)	40 CFR Part 60 Subpart Db	N	Y	Y	N	N	Y	N	Y	N	Y	Y	OR-Low NOx burners. B021 shutdown with B043 startup. Fuel usage restrictions. M-Continuous emissions monitor for Nox required. R-Maintain CAM records, daily emission rate and heat input, fuel usage. 365 day summation of NOx emissions required. Rp- Fuel usage deviation, monitor downtime reports required. Deviation reporting for any NOx exceedence is in place. Annual NOx emission report required. Deviation reporting for 365-day summation totals for NOx. ET-Stack testing shall be conducted for NOx emission limitation in accordance with 40 CFR Part 60 Appendix A, Methods 7. Misc-None.

	0.105 lb CO/MMBtu (gas or oil >61.25 MMBtu/hr)  6.50 lb CO/hr (gas or oil <61.25 MMBtu/hr)  112.68 TPY CO	31-05(A) (3)  31-05(D)	N	N	Y	Y	N	N	Y	N	Y	N	Y	Y	CAM is not applicable  OR-Fuel usage restrictions. B021 shutdown with B043 startup. M&R-Fuel usage records, daily CO emission records, 365 summation of CO emissions required. Rp-Fuel usage deviation, annual CO emission reports required. Deviation reports required for 365 summation of CO. ET-Stack testing shall be conducted for CO emission limitation in accordance with 40 CFR, Part 60 Appendix A, Method 10. Misc.-None
	0.005 lb OC/MMBtu  5.37 TPY OC	31-05(A) (3)  31-05(D)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	CAM is not applicable  OR-Fuel usage restrictions. B021 shutdown with B043 startup. M&R-Fuel usage records. Rp-Fuel usage deviation reports. ET-No stack testing required to demonstrate compliance. Misc-None
B044	20% opacity as a six-minute average, except as provided by rule  0.0076 lb PM10/MM Btu 0.40 TPY PM/PM10	17-07(A)  31-05(A) (3)	N	N	N	N	N	N	N	N	N	N	N	N	CAM is not applicable  OR- No operational restrictions are necessary to show compliance. M&R-No monitoring or record keeping requirements are necessary to show compliance. Rp- No reporting requirements are necessary to show compliance ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.  OR- Required to use only natural gas in emissions unit. Emissions unit shall not operate past Dec 31, 2003. M&R-Weekly records of natural gas usage. Rp--Deviation reports for emissions limitations, fuel usage, and expiration date of permit. ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.
			N	N	Y	Y	N	N	Y	N	Y	N	N	N	

0.10 lb Nox/MMBtu 5.28 TPY	31- 05(A) (3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	CAM is not applicable  OR- Required to use only natural gas in emissions unit. Emissions unit shall not operate past Dec 31, 2003. M&R-Weekly records of natural gas usage. Rp--Deviation reports for emissions limitations, fuel esage, and expiration date of permit. ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.
0.0006 lb SO2/MMBtu 0.03 TPY SO2	31- 05(A) (3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	CAM is not applicable  OR- Required to use only natural gas in emissions unit. Emissions unit shall not operate past Dec 31, 2003. M&R-Weekly records of natural gas usage. Rp--Deviation reports for emissions limitations, fuel esage, and expiration date of permit. ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.
0.084 lb CO/MMBtu 4.43 TPY CO	31- 05(A) (3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	CAM is not applicable  OR- Required to use only natural gas in emissions unit. Emissions unit shall not operate past Dec 31, 2003. M&R-Weekly records of natural gas usage. Rp--Deviation reports for emissions limitations, fuel esage, and expiration date of permit. ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.
0.011 lb OC/MMBtu 0.58 TPY OC	31- 05(A) (3)	N	N	Y	Y	N	N	Y	N	Y	N	N	N	N	CAM is not applicable  OR- Required to use only natural gas in emissions unit. Emissions unit shall not operate past Dec 31, 2003. M&R-Weekly records of natural gas usage. Rp--Deviation reports for emissions limitations, fuel esage, and expiration date of permit. ET-No emissions testing is necessary to demonstrate compliance. Misc.- None.

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.
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.