

## Statement of Basis For Title V Permit

Company Name	Knox Community Hospital	
Premise Number	0142010014	
What makes this facility a Title V facility?	Hospital/Medical/Infectious Waste Incinerator subject to 40 CFR Part 62 Subpart HHH (federal plan)	
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.	None	

<b>Part II (State and Federally Enforceable Requirements)</b>			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745- )	Other	

**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.



N002	0.03 gr/dscr PE  55.0 ppmv SO2  250.0 ppmv NOx  40.0 ppmv CO  55 gr/billion dscf dioxins/furans (D/F) or 1.0 gr/billion dscf D/F TEQ  100 ppmv or 93% reduction HCl  0.52 gr/1000 dscf or 70% reduction Pb  0.07 gr/1000 dscfor 65% reduction Cd  0.24 gr/1000 dscf or 85% reduction Hg		40 CFR Part 62 Subpart HHH	N	Y	Y	N	N	Y	N	Y	N	Y	Y	<p>OR: charge rate limit, minimum combustion chamber temperatures, maximum flue gas temperature, minimum pressure drop across or amperage to scrubber, minimum scrubber liquor flow rate and pH</p> <p>M: charge weight and rate, combustion chamber, flue and bypass stack exhaust gas temperatures, pressure drop across or amperage to scrubber, scrubber liquor flow rate and PH</p> <p>R: charge weight and rate data, combustion chamber, flue and bypass stack temperatures, pressure drop across or amperage to scrubber, scrubber liquor flow rate and pH</p> <p>Rp: deviations of or failure to record charge rate, combustion chamber, flue and bypass stack temperatures, pressure drop across or amperage to scrubber, and/or scrubber liquor flow rate and pH limits</p> <p>ET: initial performance test for PE, opacity, CO, dioxin/furan, HCl, Pb, Cd, Hg; annual test for opacity; test for PE, CO, HCl every 1 to 3 years depending on if the previous test was passed</p> <p>Misc: The permittee was required to achieve final compliance with 40 CFR Part 62, Subpart HHH by September 15, 2002. The permittee conducted an initial performance test within 180 days of September 15, 2002 as required per 40 CFR Part 62, Subpart HHH, however the required monitoring equipment needed to establish the minimum and maximum operating parameters specified in sections A.II.14 to A.II.17 of the permit was not installed at the time of the emission test.</p> <p>In order to comply with 40 CFR Part 62, Subpart HHH, the permittee must install monitoring equipment to continuously measure and record the operating parameters within 3 months after issuance of the permit.</p>
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	0.0042 lb/hr As  0.0076 lb/hr Be  0.0015 lb/hr Cr  0.0076 lb/hr Ni  Visible PE shall not exceed 5% opacity, except for a 6-minute period in any continuous 60-minute period during with opacity shall not exceed 10%	75-02 through 75-06		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR: minimum combustion chamber temperatures  M: charge weight and rate, combustion chamber, CO monitor  R: charge weight and rate data, combustion chamber, bypass stack use  Rp: deviations of charge rate and/or combustion chamber temperature limits  ET: performance tests (less stringent than 40 CFR Part 62, Subpart HHH)
	none	17-09(B)		N	N	N	N	N	N	N	N	N	N	N	No additional OR, M, R, Rp, ET
	none	17-07(A)		Y	N	N	N	N	N	N	N	N	N	N	No additional OR, M, R, Rp, ET

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.