Kansas Department of Health and Environment
Division of Environment
Bureau of Air and Radiation

INDIRECT HEATING UNIT (BOILER)

1) Source ID Number: _____

2) Company/Source Name: _____

3) Emission Unit Identification:_____

4) Manufacturer:_____Model No.:_____

5) Maximum design heat-input rate: _____ BTU/hr
   Heat-release Rate: _____ BTU/hr/cu. ft. of furnace volume
   Annual load factor: _____
   Heater design: Cyclone _____; Underfeed stoker _____; Spreader stoker _____;
   Pulverized (dry-tangential or normal/wet)_____; Other (specify) _____
   Normal Operating Schedule: _____ hours/year
   Date of latest modification: _____

6) Primary Fuel Type:
   Natural Gas ____ Oil ____Coal ____ Other (specify) _____
   Secondary Fuel Type:
   Natural Gas ____ Oil ____ Coal ____ Other (specify) _____

7) If other fuel is waste liquid:
   What is the source of the waste? _____
   Will the waste be pretreated to remove any of the contaminants? Yes ☐; No ☐ If yes, describe method of pretreatment:

   _____

   _____

   If waste liquid is used in combination with fuel oil:
   Specify the volume percent of waste liquid:_____ %
   Specify the anticipated annual operating hours during which the fuel and waste combination will be used: _____ hrs.
   Fill in the data below for the fuel oil.

Include the chemical and physical characteristics of the waste liquid. Also, include any source emissions test data that is available from testing similar facilities that have disposed of this type liquid waste.

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(cont.)

8) Fuel Specific Data: (if other is specified, give appropriate data)
   Natural Gas:
   Heating value: _____ BTU/cu. ft.
   (If fuel gas is used, also specify %Sulfur: _____)
   Coal:
   Fuel Parameters: %Sulfur: _____ % Ash: _____
   Heating value: _____ BTU/lb.
   Fuel Oil:
   Fuel Parameters: %Sulfur: ____ Grade: _____
   Heating value: _____ BTU/gal.
   Density: _____ lb./gal.

9) Air Emissions Control Technology: NOx ____ SOx ____ CO ____ Particulate ____
   If yes, breakdown of Control Technology:_____
   _____

10) Soot blowing (if applicable): frequency: _____ duration: _____

11) Has boiler been derated because of:
   Fuel change _____ Equip. limitations _____ Regulatory compliance _____

12) Emissions discharge to atmosphere _____ ft. above grade through stack or duct _____ ft. diameter at ____ ° F temperature, with _____ cfm flow rate and _____ fps velocity.

13) For emission control equipment, use the appropriate CONTROL EQUIPMENT form and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting

14) Did construction, modification, or reconstruction commence after August 17, 1971 and on or before September 18, 1978 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 250 million BTU/hour? Yes ☐; No ☐
   If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart D.

15) Did construction, modification, or reconstruction commence after September 18, 1978 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 250 million BTU/hour? Yes ☐; No ☐
   If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Da.

16) Did construction, modification, or reconstruction commence after June 19, 1984 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 100 million BTU/hour but less than 250 million BTU/hour? Yes ☐; No ☐
   If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Db.

INDIRECT HEATING UNIT (BOILER)
(cont.)

17) Did construction, modification, or reconstruction commence after June 9, 1989 and does the indirect heating unit have a maximum design heat-input capacity to combust 10 million or more BTU/hour but less than 100 million BTU/hour? Yes ☐; No ☐

If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Dc.