SOUTHERN UTE INDIAN TRIBE - RESERVATION AIR PROGRAM
APPLICATION FOR TRIBAL OPERATING PERMIT, 40 CFR PART 70

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR EXTERNAL COMBUSTION SOURCES

(Boilers, Heaters, Flares, and other External Combustion Sources)

INSTRUCTIONS: Complete this form for each significant emissions unit best described as an external combustion unit.

Facility Name: Facility ID:

A. General Information

Emissions unit ID:_____ Description: _____

Primary use:_____

Emergency Use: ☐Yes ☐No Temporary source: ☐Yes ☐No Max. Annual Operating Hours:_____

Installation Date: _____ Last Modification/Reconstruction Date: ☐N/A _____

Was the emissions unit previously installed at a different facility? ☐Yes ☐No

Standard Industrial Classification (4-digit SIC Code):_____ Source Classification Code (8-digit SCC Code):_____

B. Boiler/Heater Emission Unit Description

☐N/A

Manufacturer:_____ Model No.: _____ Serial No.: _____

Boiler/Heater Type: ☐Industrial boiler ☐Electric utility boiler ☐Process Heater ☐Other

If Process Heater or "Other" type, describe:_____

Burner Rating (MMBtu/hr):_____ Boiler steam flow (lb/hr): _____

Actual Heat Input
(average MMBtu/hr):_____ Maximum design heat input (MMBtu/hr):_____

Fuel Data

Primary Fuel Type: _____ Back-up Fuel Type: ☐N/A _____

Heat Content (BTU/lb, gal, or scf):_____ Heat Content (BTU/lb, gal, or scf):_____

Max. Sulfur Content (%):_____ Max. Sulfur Content (%):_____

Max. Ash Content (%):_____ Max. Ash Content (%):_____

Max. Annual Fuel Usage Rate:_____
(tons/yr, gal/yr, or MMscf/yr)

Max. Annual Fuel Usage Rate:_____
(tons/yr, gal/yr, or MMscf/yr)

Max. Hourly Fuel Usage Rate:_____ Max. Hourly Fuel Usage Rate:_____

C. Flares & Combustion Chamber Description ☐N/A

Manufacturer:_____ Model No.:_____ Serial No.:_____

Description:_____ Stack Height (ft):_____ Smokeless Design? ☐Yes ☐No

Flame Type: ☐Simple ☐Air-assisted ☐Steam-assisted ☐Enclosed ☐Sonic ☐Other:_____

Flame Service: ☐Continuous ☐Intermittent ☐Emergency Annual Hours of Operation:_____

Ignition System ☐Pilot Flame ☐Electric Spark ☐Other:_____ Continuous Pilot? ☐Yes ☐No

Pilot Gas Vol. (SCFM):_____ Pilot Gas Heat Content (Btu/scf):_____

Annual Waste Gas Volume (Mscf):_____ Waste Gas Heat Content (BTU/scf):_____

Does burned gas contain H_2S? ☐Yes ☐No If yes, % H_2S:___

Is the device monitored? ☐Yes ☐No If yes, How?_____

D. Associated Air Pollution Control Equipment ☐N/A

Device type:_____ Air Pollutant(s) Controlled:_____

Manufacturer: _____ Model No.:_____ Serial No.:_____

Installation or modification date: _____ Control efficiency (%): _____

Efficiency estimation method:_____

Description of Emissions Control Equipment. (Attach a drawing or explanation if needed):

_____

E. Additional Information Required

On Separate sheets of paper, attach the following:

1. Provide sample emission calculations for each emission source and pollutant (i.e., NOx, CO, VOC, etc...)
2. Provide an analysis of any fuel being used.

F. Ambient Impact Assessment ☐N/A

Instructions: This information must be completed or when an ambient impact assessment is required for this emissions unit (this is not common).

Stack height (ft): _____ Inside stack diameter (ft): _____

Stack temp (^oF): _____ Design stack flow rate (ACFM): _____

Actual stack flow rate (ACFM): _____ Velocity (ft/sec): _____