



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



**FORM EUD-1 - EMISSIONS UNIT DESCRIPTION FOR
INTERNAL COMBUSTION SOURCES
(Engines, Turbines, Generators)**

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a fuel combusting 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: _____ Manufacture Date: _____

Order Date from Manufacturer: _____ Modification or Reconstruction Date: _____

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

B. Emission Unit Description

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

ENGINES & GENERATORS

Manufacturer Certified? Yes No

Maximum rated heat input capacity (MMBtu/hr): _____

Fuel Consumption (Btu/bhp-hr): _____

Name Plate Rating

Site Rating

Horsepower: _____

Horsepower: _____

Speed (rpm): _____

Speed (rpm): _____

Check All That Apply:

- | | |
|---|--|
| <input type="checkbox"/> Lean Burn | <input type="checkbox"/> Rich Burn |
| <input type="checkbox"/> 4 - Stroke Cycle | <input type="checkbox"/> 2 - Stroke Cycle |
| <input type="checkbox"/> Spark Ignited | <input type="checkbox"/> Compression Ignited |
| <input type="checkbox"/> Fuel Injected | <input type="checkbox"/> Carbureted |
| <input type="checkbox"/> Turbocharged | <input type="checkbox"/> Naturally Aspirated |
| <input type="checkbox"/> Intercooled (IC) | <input type="checkbox"/> Dual Fuel |

TURBINES

Turbine Type:

- Simple Cycle
- Regenerative
- Combined Cycle

Maximum rated heat input capacity (MMBtu/hr): _____

Check All That Apply:

- Lean Premix Gas-fired
- Lean Premix Oil-fired
- Diffusion Flame Gas-fired
- Diffusion Flame Oil-fired

C. Fuel Data

Primary Fuel Type: _____ Heat Content (Btu/lb, gal, or scf): _____ Max. Sulfur Content (%): _____ Max. Ash Content (%): _____ Max. Annual Fuel Usage Rate: _____ Max. Hourly Fuel Usage Rate: _____ Actual Annual Fuel Usage Rate: _____	Back-up Fuel Type: <input type="checkbox"/> N/A _____ Heat Content (BTU/lb, gal, or scf): _____ Max. Sulfur Content (%): _____ Max. Ash Content (%): _____ Max. Annual Fuel Usage Rate: _____ Max. Hourly Fuel Usage Rate: _____ Actual Annual Fuel Usage Rate: _____
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(Note: Rates should be reported as follows: Solid in tons/yr; Liquid in gal/yr, Gaseous in MMscf/yr)

D. Associated Air Pollution Control Equipment

N/A

Device type: NSCR Catalyst Oxidation Catalyst Other (describe): _____

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

Installation date or last modification date: _____ Air/Fuel Ratio Controller? Yes No

Air Pollutant(s) Controlled and Control Efficiency:
Example: CO (90%), VOC (45%) _____

Efficiency estimation method: _____

E. Additional Information Required

On separate sheets of paper provide the following:

1. Engine, Turbine, or Generator Manufacturer's site rating and site emission estimates/guaranteed pollutant specific emission factors.
2. Manufacturer specifications for any identified air pollution control units and pollution control guarantees.

N/A

F. Ambient Impact Assessment

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

Stack height (ft): _____	Inside stack diameter (ft): _____
Stack temp (°F): _____	Design stack flow rate (ACFM): _____
Actual stack flow rate (ACFM): _____	Velocity (ft/sec): _____