**Section E: Reciprocating Internal Combustion Engines**

Emission Unit ID/Name:

# Equipment Description

|  |  |
| --- | --- |
| Type of Engine |  |
| Manufacturer |  |
| Model |  |
| Max. Heat Input | MMBtu/hr |
| Max. Output |  |
| Date of Manufacture |  |
| Date of Installation |  |
| Portability | Portable  Stationary |
| Engine Ignition Type | Compression Ignition  Spark Ignition |
| (Spark Ignition Only) | 2-Stroke  4-Stroke  Rich Burn  Lean Burn |
| 40 C.F.R. Part 60 Applicability | Subpart(s): |
| 40 C.F.R. Part 63 Applicability | Subpart(s): |

# Fuels

|  |  |  |
| --- | --- | --- |
| Type/Grade | Max Firing Rate  (e.g., gal/hr, scfh) | Max. Sulfur Content (%)  (if applicable) |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Section E: Reciprocating Internal Combustion Engines (cont.)**

Emission Unit ID/Name (cont):

# Control Equipment

|  |  |
| --- | --- |
| Type of Control Equipment  (e.g. Oxidation Catalyst, filters etc.) |  |
| Manufacturer |  |
| Install Date |  |
| Pollutant(s) Controlled |  |
| Capture Efficiency | % |
| Control Efficiency | % |

|  |  |
| --- | --- |
| Type of Control Equipment  (e.g. Oxidation Catalyst, filters etc.) |  |
| Manufacturer |  |
| Install Date |  |
| Pollutant(s) Controlled |  |
| Capture Efficiency | % |
| Control Efficiency | % |

# BACT/BPT

 BACT was established <15 Years Ago

 BPT analysis is attached

**Section E: Reciprocating Internal Combustion Engines (cont.)**

Emission Unit ID (cont):

# Monitoring

* 1. Is this Unit subject to Compliance Assurance Monitoring (CAM) under 40 CFR Part 64?

 Yes  No

If yes, for what pollutant(s)?

* 1. This Unit is equipped with the following Certified Continuous Emission Monitoring Systems:

|  |  |  |
| --- | --- | --- |
| NOx | O2 | NH3 |
| CO | CO2 | Other: |

* 1. Parameter Monitors

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Monitored | Unit of Measure | Monitoring Tool/Method | Monitoring Frequency | Recording Frequency |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Stack Data

|  |  |
| --- | --- |
| How are the emissions released? | Fugitive  Stack |
| For stack emissions only: |  |
| Stack ID |  |
| Orientation | Vertical Horizontal |
| Rain Cap | Yes No |
| Height (feet above ground level) |  |
| Inside Diameter (feet) |  |
| Gas Exit Flow Rate (acfm) |  |
| Gas Exit Velocity (ft/sec) |  |
| Exit Temperature (deg F) |  |