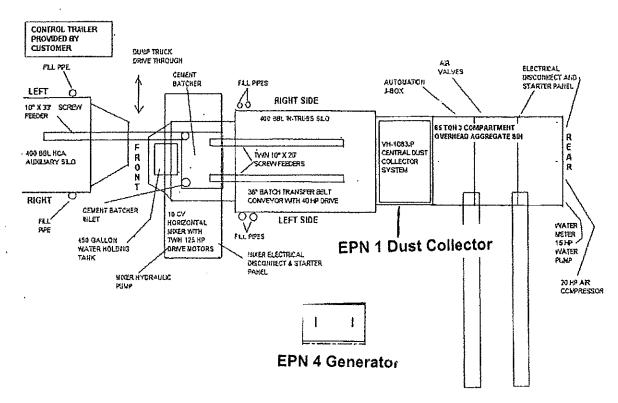
## Texas Commission on Environmental Quality Table 29 Reciprocating Engines

I. Engine Data										
Manufacturer:		Model No.			Serial No.			Manufacture Date:		
Caterpillat		C15								
Rebuilds Date:		No. of Cylinders:			Compression Ratio:			EPN:		
Inline 6				16:1 4						
Application: Gas Compression Electric Generation Refrigeration Emergency/Stand by										
4 Stroke Cycle 2 Stroke Cycle Carbureted Spark Ignited Dual Fuel Fuel Injected										
☑ Diesel ☐ Naturally Aspirated ☐ Blower /Pump Scavenged ☑ Turbo Charged and I.C. ☐ Turbo Charged										
☐ Intercooled								····		
Ignition/Injection Timing: Fixed:						Variable:				
Manufacture Horsepower Rating: 475-580					Proposed Horsepower Rating:					
Discharge Parameters										
Stack Height (Feet) Stack Diameter (Feet)			(Feet)	Stack Temperature (°F)			Exit Velocity (FPS)			
II. Fuel Data										
Type of Fuel: Field Gas Landfill Gas LP Gas Natural Gas Digester Gas Diesel										
Fuel Consumption (BTU/bhp-hr): 33 Heating Value: 18,390 Lower Heating Value: 18,390										
Sulfur Content (grains/100 scf - weight %): > 15ppm										
III. Emission Factors (Before Control)										
NO <sub>X</sub>	CO	A Company of the Comp				Formale	THE CONTRACTOR OF THE CONTRACT		10	
g/hp-hr ppmv g/hp	····	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	
3.5 622 3.5	146									
Source of Emission Factors: Manufacturer Data AP-42 Other (specify): Diesel Oxidation Catalyst										
IV. Emission Factors (Post Control)										
NO <sub>x</sub>	CO	SO <sub>2</sub>		VOC		Formaldehyde		PM <sub>10</sub>		
g/hp-hr ppmv g/hp-	nr ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	
							4			
Method of Emission Control: NSCR Catalyst Lean Operation Parameter Adjustment										
Stratified Charge JLCC Catalyst Other (Specify):										
Note: Must submit a copy of any manufacturer control information that demonstrates control efficiency.										
Is Formaldehyde included in the VOCs?  ☐ Yes ☒ No										
V. Federal and State Standards (Check all that apply)										
NSPS JJJJ MACT ZZZZ NSPS IIII Title 30 Chapter 117 - List County:										
VI. Additional Information										
<ol> <li>Submit a copy of the engine manufacturer's site rating or general rating specification data.</li> <li>Submit a typical fuel gas analysis, including sulfur content and heating value. For gaseous fuels, provide mole</li> </ol>										
percent of constituents.										
3. Submit description of air/fuel ratio control system (manufacturer information is acceptable).										

Reset Form

**Print Form** 

## **Lacy Construction Plant Layout**



**EPN 2 Agg Hoppers** 

