Mail To: SCAQMD P.O. Box 4944 Diamond Bar, CA 91765-0944

> Tel: (909) 396-3385 www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate - Forms 400-A, Form 400-CEQA, and Form 400-PS.

Section A - Operato	or Information						
Facility Name (Business Name of Operator That Appears On Permit): Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD):							
Address where the equipme	ent will be operated (for equipment which v	vill be moved to various location in A0	QMD's jurisdiction, please	e list the initial location s	site):		
				Fixed Location	Various Locations		
Section B - Equipm	ent Description						
Turbine	Manufacturer:	Model:		Serial No.:			
	Size (based on Higher Heating Value - H	HV):					
	Manufacturer Maximum Input Rating:		MMBTU/hr		kWh		
	Manufacturer Maximum Output Rating	:	MMBTU/hr		kWh		
Function (Check all that apply)	Electrical Generation	Driving Pump/Compressor	Emergency Peak	ing Unit			
	Steam Generation	Exhaust Gas Recovery	Other (specify):				
Cycle Type	Simply Cycle	Regenerative Cycle					
Сусіе туре	Combined Cycle	Other (specify):					
Combustion Type	Tubular	Can-Annular	Annular				
Fuel (Turbine)	Natural Gas LPG	Digester Gas*					
	Landfill Gas* Propand * (If Digester Gas, Landfill Gas, Refinery	-	Other*:ach fuel analysis indicatin	g higher heating value a	and sulfur content).		
Heat Recovery Steam Generator (HRSG)	Steam Turbine Capacity:	MW					
	Low Pressure Steam Output Capacity:	lb/hr @		F			
	High Pressure Steam Output Capacity	:lb/hr @		F			
	Superheated Steam Output Capacity:	lb/hr @		F			
	Manufacturer:		Model:				
Duct Burner	Number of burners: Rating of each burner (HHV): Type: Low NOx (please attach manufacturer's specifications) Other: Show all heat transfer surface locations with the HRSG and temperature profile						
Fuel (Duct Burner)	Natural Gas LPG	Digester Gas*					
	Landfill Gas* Propand * (If Digester Gas, Landfill Gas, Refinery		Other*:ach fuel analysis indicatin	g higher heating value a	and sulfur content).		
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Form 400-E-12 Gas Turbine

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Section B - Equipme	ent Description (Cont	.)				
Air Pollution Control	Selective Catalytic Reduction (SCR)* Selective Non-Catalytic Reduction (SNCR)*					
	Oxidation Catalyst* Other (specify)*:					
	Steam/Water Injection: Injection Rate: lbs. water/lbs. fuel, or mole water/mole fuel * Separate application is required.					
	Capital Cost:	Installation	n Cost:	Annual Operating Cost:		
	Manufacturer:		Model:			
	Catalyst Dimensions: Ler	ngth:ft	in. Width:	ftin. Height:	ft in.	
Ovidation Catalyst Data	Catalyst Cell Density:cells/sq.in. Pressure Drop Across Catalyst:					
Oxidation Catalyst Data (If Applicable)	Manufacturer's Guarantee:	CO Control Efficiency:	%	Catalyst Life:	yrs	
		VOC Control Efficiency:_	%	Operating Temp. Range:	°F	
	Space Velocity (gas flow rate/catalyst volume): Area Velocity (gas flow/wetted catalyst surface area):					
	VOC Concentration into Cal	alyst:PP	MVD@ 15%O ₂ CO Conce	entration inot Catalyst:	PPMVD@ 15%O ₂	
Section C - Operation	n Information					
	Pollutants Maximum Emiss		ions Before Control *	Maximum Emissi	Maximum Emissions After Control	
	Pollutarits	PPM@15% O ₂ , dry	lb/hour	PPM@15% O ₂ , dry	lb/hour	
	ROG					
	NOx					
	со					
On-line Emissions Data	PM ₁₀					
	SOx					
	NH ₃					
	* Based on temperature, fuel consumption, and MW output.					
	Reference (attach data):					
	Manufacturer Emission Data EPA Emiss		nission Factors A	AQMD Emission Factors	Source Test	
Stack or Vent Data	Stack Height:	ft	in. Stack Dia	meter:	ft in.	
	Exhaust Temperature:	°F Exhaust Pressure:		inches water column		
	Exhaust Flow Rate:	CFM	Oxygen Level:	%		

Form 400-E-12 Gas Turbine

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Section C - Operation Information (cont.)							
Sta	artup Data	No. of Startups per day:	No. of Startups per year:		Duration of each startup	:hrs.	
Shut	tdown Data	No. of Shutdowns per day:_	No. of Shutdowns per year:		Duration of each Shutdo	wn:hrs.	
Startup and Shutdown	5.11.1	Startup Emissions		Shutdown E	missions		
		Pollutants	PPM@15% O ₂ , dry	lb/hour	PPM@15% O ₂ , dry	lb/hour	
		ROG					
	and Shutdown	NOx					
	ssions Data	со					
		PM ₁₀					
	SOx						
		NH ₃					
Monitorin	Continuous Emission Monitoring System (CEMS): CEMS Make: CEMS Model: Will the CEMS be used to measure both on-line and startup/shutdown emissions? Yes No The following parameters will be continuously monitored: NOX CO O2 Fuel Flow Rate Ammonia Injection Rate Other (specify): Ammonia Stack Concentration: Ammonia CEMS Make: Ammonia CEMS Model:						
Operating Schedule		Normal:	hours/day	days/week	wee	ks/yr	
oponing commu		Maximum:	hours/day	days/week	wee	ks/yr	
Section	D - Authoriz	ation/Signature					
I hereby ce	eby certify that all information contained herein and information submitted with this application is true and correct. Signature: Name:						
	Signature.		Date.	Phone #:	Foy #.		
Preparer Info	Title:	Company Name:			Fax #: 		
				Email:			
Contact Info Name:				Phone #:	Fax #:		
		Company Name:		Email:			

THIS IS A PUBLIC DOCUMENT

Pursuant to the California Public Records Act, your permit application and any supplemental documentation are public records and may be disclosed to a third party. If you wish to claim certain limited information as exempt from disclosure because it qualifies as a trade secret, as defined in the District's Guidelines for Implementing the California Public Records Act, you must make such claim at the time of submittal to the District.

Check here if you claim that this form or its attachments contain confidential trade secret information.