

**San Diego County Air Pollution Control District**  
**10124 Old Grove Road San Diego CA 92131-1649**  
**(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION**  
**Stationary Source Summary (FORM 1401-A1)**

<b>Company Name</b> Chula Vista Energy Center, LLC	<b>District Use Only</b> NEDS # SITE ID # <u>200-03752</u>
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**I. FACILITY IDENTIFICATION**

- Facility Name (if different than company name): Chula Vista Energy Center
- Four digit SIC Code: 3752
- Parent Company (if different than Company Name): \_\_\_\_\_
- Mailing Address: 650 Bercut Dr. Suite C  
City Sacramento State CA Zip 95811
- Street Address or Source Location: 3497 Main St.  
City Chula Vista State CA Zip 91911
- UTM Coordinates: Latitude: 32.59175 Longitude: -117.05866
- Source Located within 50 miles of a state line:  Yes  No (All sources are within 50 miles)
- Source Located within 1000 feet of a school:  Yes  No
- Type of Organization:  Corporation  Sole Ownership  Government  
 Partnership  Utility Company
- Legal Owner's Name: \_\_\_\_\_
- Owner's Agent name (if any): \_\_\_\_\_
- Responsible Official: Harold E. Dittmer
- Plant Site Manager/Contact: Dan Richardson Phone #: \_\_\_\_\_ FAX #: \_\_\_\_\_
- Application Contact: Genny Huffman
- Type of Facility: Power Plant
- General description of processes/products: 44 MW simple cycle, natural gas-fired peaking power plant using Pratt & Whitney FT4 Twinpac technology.
- Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required?  Yes  No  
(If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input type="checkbox"/> Initial Title V Application	N/A	N/A
<input checked="" type="checkbox"/> Permit Renewal	978119	14 June 2016
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

**III. DESCRIPTION OF PERMIT ACTION**

- Does the permit action requested involve:  Temporary Source  Voluntary Emissions Caps  
 Acid Rain Source  Alternative Operating Scenarios  Abatement Devices  
 CEMs  Permit Shield  
 Outdated SIP Requirement Streamlining  Multiple Applicable Requirement Streamlining  
 Source Subject to MACT Requirements [Section 112]  
 Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
- Is source operating under a Compliance Schedule?  Yes  No  Proposed
- Is source operating under a Variance  Yes  No (If Yes, please attach variance information)
- For permit modification, provide a general description of the proposed permit modification:  
\_\_\_\_\_

**IV. SUPPLEMENTAL ATTACHMENTS\*:** Gas Turbine Form

\* Means all attachments to the complete application.

**San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION  
Stationary Source Summary (FORM 1401-A2)**

<b>Company Name</b> <u>Chula Vista Energy Center, LLC</u>	<b>District Use Only</b> NEDS # SITE ID # <u>2000-03752</u>
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**I. MAJOR SOURCE APPLICABILITY**

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. **If more space is necessary, use additional forms. Please type or print legibly.**

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM10	100	<input type="checkbox"/>
SO2	100	<input type="checkbox"/>
NOx	100	<input type="checkbox"/>
CO	100	<input checked="" type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
<b>HAZARDOUS AIR POLLUTANTS</b>		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

**Attach all necessary calculations to this form as applicable.** NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference \_\_\_\_\_  
HE Dittmer  
Signature of Responsible Official  
  
Harold E. Dittmer  
Print Name of Responsible Official  
  
President  
Title of Responsible Official

Inventory Year \_\_\_\_\_  
5/27/2015  
Date  
  
(916) 447-5171  
Telephone No. of Responsible Official

**II. EMISSIONS CALCULATIONS ATTACHED (as needed)**

Yes     No

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**DISTRICT USE ONLY**

Date Application Received: 6/4/15  
Application Filing Fee: \$4649  
Receipt #: 601804 - CHIC 00000030935

Application # 2015-APP-004073  
District Received Stamp: \_\_\_\_\_  
Fee Code: TIV T4W

San Diego County Air Pollution Control District  
 10124 OLD GROVE ROAD SAN DIEGO CA 92131-1649  
 (858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1)**

Company Name <u>Chula Vista Energy Center, LLC</u>	District Use Only NEDS # SITE ID # <u>2000-0375 J</u>
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APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Gas Turbine	Future Effective Date
<b>Facility Applicable Requirement Description</b>						
10(a)	Permits Required – (a) Authority to Construct			x	x	
10(b)	Permits Required – (b) Permit to Operate			x	x	
19	Provision of Sampling & Testing Facilities			x	x	
19.2	Continuous Emission Monitoring Requirements			x	x	
19.3	Emission Information			x	x	
NSR	New Source Review			x	x	
PSD	Prevention of Significant Deterioration					
21	Permit Conditions			x	x	
50	Visible Emissions			x	x	
51	Nuisance			x	x	
60	Circumvention			x	x	
67.0	Architectural Coatings	(g)		x		
67.17	Storage of Materials Containing VOC	(e)		x		
71	Abrasive Blasting			x		
98	Breakdown Conditions: Emergency Variance			x	x	
101	Burning Control			x		
131	Stationary Source Curtailment Plan					
132	Traffic Abatement Plan					

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Gas Turbine	Future Effective Date
<b>Equipment Specific Applicable Requirement Description</b>						
50	Visible Emissions					
51	Nuisance					
52	Particulate Matter	Method 5		x	x	
53	Specific Contaminants	Method 5		x	x	
53.1	Scavenger Plants					
54	Dust and Fumes	Method 5		x		
58	Incinerator Burning					
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)			
60	Circumvention					
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)			
61.2	Transfer of VOCs into Mobil Transport Tanks	(c)(10)				
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)			
61.4	Transfer of VOCs into Vehicle Fuel Tanks					
61.5	Visible Emissions Standards for Vapor Control Equip.		VE			
61.7	Spillage & Leakage of VOCs					
61.8	Certification Requirements for Vapor Control Equip.					
62	Sulfur Content of Fuels			x	x	
64	Reduction of Animal Matter					
66	Organic Solvents	(p)	(o)	x		
67.1	Alternative Emission Control Plans (AECPL)	(c)	(d)			
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)			
67.3	Metal Parts Coating	(g)	(f)			
67.4	Can & Coil Coating	(g)	(f)			
67.5	Paper, Film and Fabric Coating	(f)	(e)			
67.6	Solvent Cleaning Operation	(f)				
67.7	Cutback & Emulsified Asphalt	(f)	(e)			
67.9	Aerospace Coating Operations	(g)	(f)			
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)			
67.11	Wood Products Coating Operations (not in SIP)					

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

<b>RULE</b>	<b>RULE DESCRIPTION</b>	<b>Test Method or Rule Section</b>	<b>Monitoring, Records, Reports, Rule Section</b>	<b>Facility</b>	<b>Gas Turbine</b>															<b>Future Effective Date</b>
67.12	Polyester Resin Operations	(g)	(f)																	
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																		
67.16	Graphic Arts Operations	(g)	(f)																	
67.17	Open VOC Containers	(e)		x																
67.18	Marine Coating Operations	(g)	(f)																	
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)																	
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations	(g)	(f)																	
67.21	Adhesive Material Application Operations																			
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																			
67.24	Bakery Ovens	(f)	(e)																	
68	Fuel Burning Equipment - NOx			x																
69.2	Boilers	(f)	(e) & (g)																	
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)																	
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)																	
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)																	
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)																	
70	Orchard Heaters																			
71	Abrasive Blasting			x																
20.1	Applicability, Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements (SIP Version 7/5/79)																			
20.1	NSR - General Provisions (Version 11/4/98) (not in SIP)																			
20.2	Standards for Authority to Construct Best Available Control Technology (SIP Version 7/5/79)																			
20.2	NSR - Non-major Stationary Sources (Version 11/4/98) (not in SIP)																			
20.3	Standards for Authority to Construct - Air Quality Analysis (SIP Version 7/5/79)																			

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

<b>RULE</b>	<b>RULE DESCRIPTION</b>	<b>Test Method or Rule Section</b>	<b>Monitoring, Records, Reports, Rule Section</b>	<b>Facility</b>	<b>Gas Turbine</b>														<b>Future Effective Date</b>
20.3	NSR – Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP) Standards for Authority to Construct – Major Sources (SIP Version 7/5/79)																		
20.4	NSR – Portable Emission Units (Version 11/4/98) (not in SIP)																		
20.5	Power Plants (SIP Version 7/5/79) Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																		
20.6																			
<b>SUBPART</b>	<b>Regulation X - Standards of Performance for New Stationary Sources (NSPS)</b>	<b>Rule #</b>	<b>Rule #</b>																
A	General Provisions		260.7																
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.13																
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.45																
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47a 260.48a 260.49a																
E	Standards of Performance for Incinerators	260.54	260.47b 260.48b 260.49b																
I	Standards of Performance for Asphalt Concrete Plants	260.93	260.53																
K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113																
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978	260.113a	260.115a																
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.113b	260.115b 260.116b																

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Gas Turbine														Future Effective Date
<b>Subpart</b>																			
L	Standards of Performance for Secondary Lead Smelters	260.123																	
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133																	
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153																
DD	Standards of Performance for Grain Elevators	260.303																	
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315																
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334							x									
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434																
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447																
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455																
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465																
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.545 260.546																
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.583	260.584 260.585																
JJJ	Standards of Performance for Petroleum Dry Cleaners																		
<b>SUBPART New Source Performance Standards (40 CFR 60)</b>																			
Cb, F	Portland Cement Plants																		
Dc	Small Industrial -Commercial -Institutional Steam Generators >10 MM Btu but <100 MM Btu.																		
Ea	Municipal Waste Combustors																		
G	Nitric Acid Plants																		
H & Cb	Sulfuric Acid Plants																		

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

<b>RULE</b>	<b>RULE DESCRIPTION</b>	<b>Test Method or Rule Section</b>	<b>Monitoring, Records, Reports, Rule Section</b>	<b>Facility</b>	<b>Gas Turbine</b>															<b>Future Effective Date</b>
<b>Subpart</b>																				
N	Oxygen Process Furnaces																			
Na	Oxygen Process Steelmaking Facilities																			
P	Primary Copper Smelters																			
Q	Primary Zinc Smelters																			
R	Primary Lead Smelters																			
S	Primary Aluminum Reduction Plants																			
T & U	Phosphate Fertilizer Industry																			
V, W, X	Phosphate Fertilizer Industry																			
Y	Coal Preparation Plants																			
Z	Ferroalloy Production Facilities																			
AA, AAa	Steel Plants																			
BB	Kraft Pulp Mills																			
CC	Glass Manufacturing Plants																			
HH	Lime Manufacturing Plants																			
KK	Lead-Acid Battery Manufacturing Plants																			
LL	Metallic Mineral Processing Plants																			
MM	Automobile and Light-Duty Truck Surface Coating Operations																			
NN	Phosphate Rock Plants																			
PP	Ammonium Sulfate Manufacture																			
UU	Asphalt Processing and Asphalt Roofing Manufacture																			
VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																			
WW	Beverage Can Surface Coating Industry																			
XX	Bulk Gasoline Terminals																			
AAA	New Residential Wood Heaters																			
DDD	VOC Emissions from the Polymer Mfg. Ind.																			
GGG	Equipment Leaks of VOC in Petroleum Refineries.																			

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Gas Turbine														Future Effective Date
<b>Subpart</b>																			
HHH	Synthetic Fiber Production Facilities																		
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO <sub>2</sub> Emissions.																		
HHH	Synthetic Fiber Production Facilities																		
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO <sub>2</sub> Emissions.																		
NNN	VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.																		
OOO	Standard of Performance for Nonmetallic Mineral Processing Plants																		
PPP	Wool Fiberglass Insulation Mfg. Plants																		
QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems.																		
RRR	VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.																		
SSS	Magnetic Tape Coating Facilities																		
TTT	Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.																		
UUU	Calciners and Dryers in Mineral Industries.																		
VVV	Polymeric Coating of Supporting Substances Facilities.																		
WWW	Standards of Performance for Municipal Solid Waste Facilities																		
<b>REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)</b>																			
A	General Provisions																		
	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																		
C, D																			

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Gas Turbine													Future Effective Date
<b>Subpart</b>																		
E	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.																	
F	Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.																	
M	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.			x														
<b>SUBPART</b>																		
<b>NESHAPS (40 CFR 61)</b>																		
B,Q,R, T,W,	Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.																	
H,I,K	Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)																	
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.																	
N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.																	
V	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.																	
<b>SUBPART</b>																		
<b>MACT Standards (40 CFR 63)</b>																		
F,G, H,I	Amendment: Reopening, Averaging Issue																	
L	Coke Ovens																	
O	Ethylene Oxide Sterilizers																	
Q	Industrial Process Cooling Towers																	
R	Gasoline Distribution Facilities																	

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Gas Turbine														Future Effective Date
<b>Subpart</b>																			
T	Halogenated Solvent Cleaning Degreasing																		
X	Secondary Lead Smelters																		
Y	Marine Tank Loading/Unloading																		
CC	Petroleum Refineries																		
DD	Off-Site Waste and Recovery Operations																		
EE	Magnetic Tape																		
GG	Aerospace (Coatings)																		
II	Shipbuilding for Ship Repair (Surface Coating)																		
JJ	Wood Furniture Industry (Coatings)																		
KK	Printing and Publishing																		
AAAA	Municipal Solid Waste Landfills																		
DDDD	Industrial, Commercial and Institutional Boilers and Process Heaters																		
MMMM	Surface Coating of Miscellaneous Metal Parts and Products																		
PPPP	Surface Coating of Plastic Parts																		
ZZZZ	Reciprocating Internal Combustion Engines																		
YYYY	Stationary Combustion Turbines																		

**California Airborne Toxic Control Measures (ATCM)**  
**17 CCR**

§93102	Hexavalent Chromium ATCM for Chrome Plating and Chromic Acid Anodizing Operations																		
§93109	ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations																		
<b>40 CFR Part 68 RMP</b>																			
<b>Title IV - Acid Rain (40 CFR 72)</b>																			
<b>Title VI-Ozone Depleting Compounds (40 CFR 82)</b>																			
B	Servicing of Motor Vehicle Air Conditioners	B																	
F	Servicing of Other Air Conditioners	F																	



**San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION  
Certification Statement (FORM 1401-I)**

Company Name	District Use Only
Chula Vista Energy Center, LLC	NEDS # _____
Facility Address: 3497 Main St. Chula Vista, CA 91911	SITE ID # <u>200-03752</u>

***Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)***

- | Applicable                          | Not<br>Applicable                   |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.</i>  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.</i>  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <i>Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.</i>  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <i>All fees required by Regulation III, Rule 40 have been paid.</i>  |

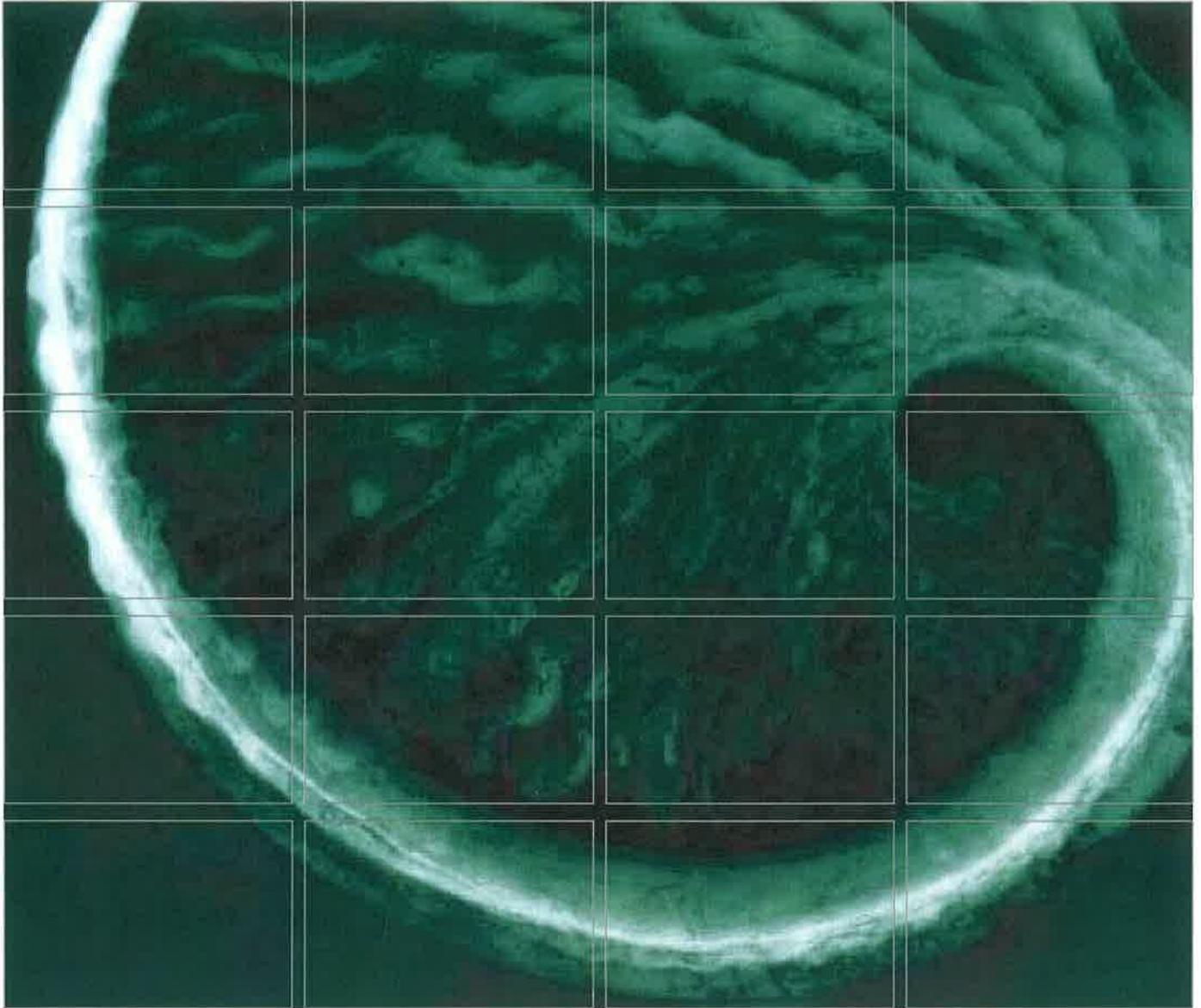
*HE Dittmer*  
Signature of Responsible Official

5/27/2015  
Date

Harold E. Dittmer  
Print Name of Responsible Official

(916) 447-5171  
Telephone No. of Responsible Official

President  
Title of Responsible Official



## **Title V Permit Renewal Application**

**Chula Vista Energy Center, LLC  
3497 Main Street  
Chula Vista, CA 91911**

May 2015

[www.erm.com](http://www.erm.com)

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## 1.0

### *INTRODUCTION*

The Chula Vista Energy Center is a peaking power plant located in Chula Vista, California. The facility is covered by San Diego County Air Pollution Control District (SDAPCD) Title V Operating Permit Number is 978119 and expires 14 June 2016. The facility has Site ID No. ACPD2000-SITE-03752.

The power generation unit at the facility is a Twin pack Pratt & Whitney FT4/GG4 natural gas-fired combustion, simple cycle turbine with a maximum heat input of 688 million British thermal units per hour (MMBtu/hr). This unit is covered by SDAPCD Permit to Operate (PTO) No. APCD2008-PTO-976039 which expires 28 February 2016. The Title V Operating Permit and PTO for the facility are included as Appendix A.

This application serves as the Title V renewal application for the Chula Vista Energy Center. This Title V renewal application is being submitted to the SDAPCD at least 12 months prior to the current permit's expiration date of 14 June 2016, as required by SDAPCD rules.

The following completed SDAPCD forms are provided in Appendix B:

- Form APCD 1401-A1/A-2, Title V Application, Stationary Source Form;
- Form APCD 1401-H-1, Title V Application, Applicable Requirements Summary Checklist;
- Form APCD 1401-H2, Title V Application, List of Permits by Equipment Category; and
- Form APCD 1401-I, Title V Application, Certification Statement.

## 1.1

### *SITE LOCATION*

The Chula Vista Energy Center, LLC facility is located at 3497 Main Street, Chula Vista, California.

The surrounding properties are a mix of commercial and industrial. There are no schools within a 1,000-foot radius of the site. There are sensitive receptors within a 350-foot radius of the site.

## 2.0

### *FACILITY AND EQUIPMENT DESCRIPTION*

The Chula Vista Energy Center is a peaking power plant with a permitted Twin pack Pratt & Whitney FT4/GG4 44 megawatt natural gas-fired, simple cycle combustion gas turbine equipped with dry low-nitrogen oxides combustors, a selective catalytic reduction (SCR) system including an automatic ammonia injection control system, a continuous emissions monitoring system (CEMS), and a data acquisition and handling system. The Twin pack is comprised of two engines and PTO Condition No. 1 specifies the engines by serial number that may be operated at the facility. There are no other permitted or unpermitted sources at this facility.

### 3.0 EMISSION CALCULATIONS

Operation of the combustion gas turbine at the facility results in criteria pollutant emissions, toxic air contaminant (TAC) emissions, hazardous air pollutant (HAP) emissions, and greenhouse gas (GHG) emissions.

A summary of the potential to emit (PTE) for these pollutants is provided in this section. Emission calculations are provided in detail in Appendix C. The PTE for the turbine has not changed since the last issuance of PTO No. 976039.

### 3.1 CRITERIA POLLUTANT EMISSIONS

Operation of the combustion gas turbine at the facility results in emissions of the criteria pollutants nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), particulate matter less than 10 microns in diameter (PM<sub>10</sub>), and sulfur oxides (SO<sub>x</sub>).

Emissions of NO<sub>x</sub> are limited by PTO No. 976039 to 9 parts per million by volume dry at 15 percent oxygen (ppmvd @ 15% O<sub>2</sub>) averaged over each clock hour and 5 ppmvd @ 15% O<sub>2</sub> averaged over each rolling 3-hour period. Emissions of CO and VOC are limited by PTO No. 976039 to 70 ppmvd @ 15% O<sub>2</sub> averaged over each rolling 3-hour period and to 2 ppmvd @ 15% O<sub>2</sub>, respectively.

Controlled hourly PTE of NO<sub>x</sub>, CO, and VOC were calculated using Equation 3-1 below.

$$\text{Emissions (lb/hr)} = (C/1.0E06) \times (\text{F-factor}) \times (\text{O}_2 \text{ correction}) \times \text{MW/MV} \times \text{HI}$$

[Eq. 3-1]

Where:

C	=	ppmvd @ 15% O <sub>2</sub>
F-factor	=	8,710 standard cubic feet (scf)/MMBtu
lb/hr	=	Pounds per hour
O <sub>2</sub> correction	=	(20.9)/(20.9-15)
MW	=	Molecular Weight (pound per pound-mole [lb/lb-mole]): 46 for NO <sub>x</sub> (nitrogen dioxide [NO <sub>2</sub> ]); 28 for CO; 16 for VOC (as methane [CH <sub>4</sub> ])
MV	=	Molar volume of gas at standard conditions: 379.5 dry standard cubic feet [dscf]/lb-mole
HI	=	Heat Input = 668.0 MMBtu/hr

Emissions of PM<sub>10</sub> and SO<sub>x</sub> were calculated using emission factors provided in U.S. Environmental Protection Agency (USEPA) AP-42, Section 3.1, Stationary Gas Turbines, Table 3.1-3, dated April 2000, and are provided in units of pounds emitted per million British thermal units of heat input (lb/MMBtu), which were then multiplied by the maximum heat rate of 668.0 MMBtu/hr to obtain hourly PTE.

Daily PTE was calculated by assuming 24 hours of operation per day. Annual PTE for VOC, PM<sub>10</sub>, and SO<sub>x</sub> was calculated using the annual operational limit of 4,448 hours per year. This operational limit was calculated as the number of hours it would take for the turbine to reach the annual emissions limits set for NO<sub>x</sub> and CO in PTO No. 976039. The permit limits emissions of NO<sub>x</sub> and CO are 50 tons per year (tpy) and 250 tpy, respectively.

Table 3-1 below summarizes the criteria pollutant PTE from the combustion gas turbine. Detailed criteria pollutant emissions calculations are provided in Table 2 of Appendix C.

**Table 3-1**     *Criteria Pollutant Emissions*

Pollutant	NO <sub>x</sub>	CO	VOC	PM <sub>10</sub>	SO <sub>x</sub>
Hourly PTE (lb/hr)	22.5	106.4	1.7	4.4	0.3
Daily PTE (lb/day)	539.6	2554.7	41.7	105.8	7.5
Annual PTE (tpy)	50	250	3.9	10	0.7

**3.2**     **TOXIC AIR CONTAMINANT AND HAZARDOUS AIR POLLUTANTS**

The TAC and HAP emissions associated with the operation of the combustion gas turbine were calculated using emission factors provided in the SDAPCD Emissions Calculation Procedures, Table T10, "Turbine, Natural Gas Fired, All Sizes, with Water Injection & Selective Catalytic Reduction (SCR)." For ammonia, the permit limit of 10 ppmvd @ 15% O<sub>2</sub> was used. Ammonia is a TAC, but not a HAP.

Hourly PTE was calculated by multiplying the emission factors in units of lb/MMBtu by the maximum heat rate of 668.0 MMBtu/hr. Daily PTE was calculated by assuming 24 hours of operation per day. Annual PTE was calculated using the annual operations limit of 4,448 hours per year. Detailed emissions calculations are provided in Table 3 of Appendix C.

**Table 3-2 Toxic Air Contaminant/Hazardous Air Pollutant Emissions**

TAC/HAP	Hourly PTE (lb/hr)	Daily PTE (lb/day)	Annual PTE (tpy)
1,3-Butadiene	2.87E-04	6.89E-03	6.39E-04
Acetaldehyde	2.67E-02	6.41E-01	5.94E-02
Acrolein	4.28E-03	1.03E-01	9.51E-03
Ammonia	9.23	221.58	20.53
Benzene	8.02E-03	1.92E-01	1.78E-02
Ethylbenzene	2.14E-02	5.13E-01	4.75E-02
Formaldehyde	4.74E-01	1.14E+01	1.05E+00
Naphthalene	8.68E-04	2.08E-02	1.93E-03
PAH	1.47E-03	3.53E-02	3.27E-03
Toluene	8.68E-02	2.08E+00	1.93E-01
Xylenes	4.28E-02	1.03E+00	9.51E-02
<b>Total TAC</b>	<b>9.90</b>	<b>237.6</b>	<b>22.0</b>
<b>Total HAP (excludes ammonia)</b>	<b>0.67</b>	<b>16.0</b>	<b>1.5</b>

### 3.3

#### **GREENHOUSE GAS EMISSIONS**

Operation of the combustion gas turbine results in emissions of GHGs from the combustion of natural gas. GHG emissions from natural gas combustion include emissions of carbon dioxide (CO<sub>2</sub>), CH<sub>4</sub>, and nitrous oxide (N<sub>2</sub>O).

GHG emissions were calculated in accordance with the emission factors, procedures, and tables provided in Title 40 of the Code of Federal Regulations (CFR), Part 98, Subparts A and C. The CO<sub>2</sub> emission factor was obtained from Table C-1 of 40 CFR Part 98 Subpart C. The emission factors for CH<sub>4</sub> and N<sub>2</sub>O were obtained from Table C-2 of 40 CFR Part 98 Subpart C. The Global Warming Potentials (GWP) for CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O were obtained from Table A-1 of 40 CFR Part 98 Subpart A and are used to calculate emissions in units of carbon dioxide equivalent (CO<sub>2</sub>e).

Hourly PTE was calculated by multiplying the emission factor in units of lb/MMBtu by the maximum heat rate of 668.0 MMBtu/hr. Daily PTE was calculated by assuming 24 hours of operation per day. Annual PTE was calculated using the annual operations limit of 4,448 hours per year.

Detailed emission calculations are provided in Table 4 of Appendix C.  
 Table 3-3 presents the PTE for GHGs:

**Table 3-3 Greenhouse Gas Emissions**

<b>Pollutant</b>	<b>Emission Factor (kg/MMBtu)</b>	<b>GHG Emissions (MT/year)</b>	<b>GHG Emissions (ST/year)</b>	<b>GWP</b>	<b>CO<sub>2</sub>e (ST/year)</b>
CO <sub>2</sub>	53.06	157,640	173,768	1	173,768
CH <sub>4</sub>	1.00E-03	3.0	3.3	21	69
N <sub>2</sub> O	1.00E-04	0.30	0.33	310	102
<b>Totals</b>			<b>173,772</b>		<b>173,938</b>

Abbreviations:  
 kg = Kilograms  
 MT = Metric tons  
 ST = Short tons

## 4.0 *CURRENT FEDERALLY ENFORCEABLE AND NON-FEDERALLY ENFORCEABLE REQUIREMENTS*

For each Title V source, the SDAPCD issues a single facility permit that contains the federally enforceable requirements, as well as SDAPCD-only requirements. Federal rules and regulations, as well as State Implementation Plan (SIP)-approved SDAPCD rules, are federally enforceable.

The California Air Resources Board (CARB) Rules Log Database, as of the date of this submittal, was reviewed for each rule to determine federal enforceability of the associated rules. This information is discussed below.

### 4.1 *SDAPCD REGULATIONS*

#### 4.1.1 *Rule 10 Permits Required*

Rule 10 requires that an Authority to Construct (ATC) be obtained prior to any person building, erecting, altering or replacing any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants. The ATC remains in effect until the PTO the equipment for which the application was filed is granted or denied or the application is cancelled.

This rule was originally adopted on 1 January 1969 and was last amended 15 May 1996.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

The ATC for the turbine was issued 21 December 2010. An ATC application will be filed prior to constructing or modifying any piece of equipment that may cause, reduce, or control the issuance of air contaminants, as required by the rule.

#### 4.1.2 *Rule 19 Provision of Sampling & Testing Facilities*

Rule 19 applies to any person owning or operating any article, machine, equipment, or other contrivance which requires a permit, and requires that the permittee provide access, facilities, utilities, and any necessary

safety equipment, for inspection and testing, as specified and approved by the District.

This rule was originally adopted on 6 April 1993.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

The permittee will continue to provide access, facilities, utilities, and any necessary safety equipment for source testing and inspection upon request of the District.

#### **4.1.3**      *Rule 19.2 Continuous Emission Monitoring Requirements*

Rule 19.2 sets recordkeeping, reporting, data reduction, and performance and monitoring requirements for operators of CEMS. Records that must be kept include occurrence and duration of startups, shutdowns, and malfunctions, and operators of CEMS are required to submit quarterly reports and reports of violations within 96 hours of occurrence. Requirements for standards of performance provided in Title 40 of CFR are also referenced in the rule.

This rule was originally adopted on 20 April 1977 and was last amended 12 January 1979.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The permittee will continue to comply with the maintenance, operating, and reporting requirements of this rule.

#### **4.1.4**      *Rule 19.3 Emissions Information*

Rule 19.3 applies to any person owning or operating any source of emissions of air pollutants, or to any person selling or supplying any material the use of which may cause the emission of air pollutants. The rule requires the submittal of Emissions Statement Forms and/or Emissions Inventory Report Forms.

This rule was originally adopted on 6 April 1993 and was last amended 15 May 1996.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

The permittee will continue to submit Emissions Statement Forms and/or Emissions Inventory Report Forms as required.

#### **4.1.5**      *Rule 20 Standards for Granting Applications*

Rule 20 states that the Air Pollution Control Officer shall deny an ATC or PTO if the applicant does not show that every article, machine, equipment or other contrivance requiring a permit can operate in compliance with certain sections of the California Health and Safety Code and SDACPD Rules and Regulations. The rule also states that the application may be required to provide and maintain such facilities as are necessary for sampling and testing purposes in order to secure information that will disclose the nature, extent, quantity, or degree of air contaminants discharged into the atmosphere from the article, machine, equipment, or other contrivance described in the ATC or PTO.

This rule was originally adopted on 1 January 1969 and was last amended 19 September 1984.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The permittee will continue to comply with the requirements of this rule.

#### **4.1.6**      *Rule 50 Visible Emissions*

Rule 50 prohibits discharge into the atmosphere from any single source of emission whatsoever of any air contaminants for a period or periods aggregating more than 3 minutes in any period of 60 consecutive minutes which is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart.

This rule was originally adopted on 1 January 1969 and was last amended 13 August 1997.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

Based on similar units fired on natural gas, no visible emissions are expected. Therefore, compliance with this rule is anticipated.

#### **4.1.7**      *Rule 51 Nuisance*

Rule 51 prohibits discharge of air contaminants that cause or have a tendency to cause injury, nuisance, or annoyance to people and/or the public or damage to business or property.

This rule was originally adopted on 1 January 1969.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

Since the equipment will be operated and maintained in accordance with the manufacturer's specifications, nuisance issues are not expected. Therefore, the permittee will continue to comply with the requirements of this rule.

#### **4.1.8**      *Rule 53 Specific Air Contaminants*

Rule 53 applies to all sources of particulate matter discharged into the atmosphere from the burning of any kind of material containing carbon in a free or combined state. The rule sets emission limits for sulfur compounds and combustion particulates.

This rule was originally adopted on 25 November 1981 and was last amended 22 January 1997.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

Due to the low grain loading from pipeline quality natural gas, compliance with this rule this anticipated.

#### **4.1.9**      *Rule 60 Circumvention*

Rule 60 states that no person shall build, erect, install, or use any article, machine, equipment, contrivance, or process, the use of which either conceals or dilutes an emission which would otherwise constitute a violation of the California Health and Safety Code or SDACPD Rules and Regulations.

This rule was originally adopted on 1 January 1969 and was last amended 17 May 1994.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

The permittee will continue to comply with the requirements of this rule.

#### **4.1.10**      *Rule 62 Sulfur Content of Fuels*

Rule 62 prohibits the use of gaseous fuel containing more than 10 grains of sulfur compounds, calculated as H<sub>2</sub>S, per 100 dscf.

This rule was originally adopted on 14 July 1970 and was last amended 21 October 1981.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

Since the Public Utility Commission requires the sulfur content of natural gas be less than 0.25 grains of H<sub>2</sub>S per 100 dscf and less than 0.75 grains of total sulfur per 100 dscf, compliance with this rule is anticipated.

#### **4.1.11**      *Rule 67.0 Architectural Coatings*

Rule 67.0 is applicable to any person who manufactures, supplies, sells, offers for sale, applies, or solicits the application of any architectural coating for use within San Diego County. The rule limits the VOC content of various architectural coatings that are manufactured, supplied, sold, offered for sale, applied, or for which application is solicited within San Diego County.

This rule was originally adopted on 30 November 1977 and was last amended 12 December 2001.

The 15 May 1996 version of this rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, the 15 May 1996 version of this rule is federally enforceable through Title V.

The permittee will continue to not use any architectural coatings which are not in compliance with the limits on VOC content provided in this rule.

#### **4.1.12**      *Rule 67.17 Storage of Materials Containing VOC*

Rule 67.17 applies to any person who stores, transfers, applies, or otherwise uses materials which contain VOCs. The rule contains requirements for the closing of containers used to store, transfer, apply, or otherwise employ materials containing VOC or VOC-containing waste when not in use. The rule also allows for vents on containers when required by fire and safety codes.

This rule was originally adopted on 7 March 1990 and was last amended 15 May 1996.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

The permittee will continue to comply with the storage requirements of this rule.

#### **4.1.13**      *Rule 68 Fuel-Burning Equipment - Oxides of Nitrogen*

Rule 68 applies to any non-vehicular, fuel burning equipment which has a maximum heat input rating of 50 MMBtu/hr or greater. The rule sets emission limits for NO<sub>x</sub> and provides recordkeeping and testing requirements. The rule does not apply to turbine engines during continuous 30-minute periods for startup, shutdown, and fuel change.

This rule was originally adopted on 1 July 1971 and was last amended 20 September 1994.

This rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is federally enforceable through Title V.

PTO No. 976039 limits emissions of NO<sub>x</sub> to 9 ppmvd @ 15% O<sub>2</sub> averaged over each clock hour and 5 ppmvd @ 15% O<sub>2</sub> averaged over each rolling 3-hour period. These limits are set by SDACPD Rule 69.3.1 and are significantly lower than those set in Rule 68. Therefore, compliance with this rule is anticipated.

**4.1.14**      *Rule 69.3 Stationary Gas Turbines Engines - Reasonable Available Control Technology*

Rule 69.3 applies to stationary gas turbines with a power rating greater than 0.3 megawatts and provides monitoring, recordkeeping, and testing requirements.

This rule was originally adopted on 27 September 1994 and was last amended 16 December 1998.

The 27 September 1994 version of this rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, the 27 September 1994 version of this rule is federally enforceable through Title V.

The combustion gas turbine satisfies Best Available Control Technology(BACT) requirements, which are more stringent than the Rule 69.3 requirements. This rule also requires the installation of CEMS for NO<sub>x</sub>. The combustion gas turbine has a CEMS installed and therefore satisfies the requirements of this rule.

**4.1.15**      *Rule 69.3.1 Stationary Gas Turbines Engines - Best Available Retrofit Control Technology*

Rule 69.3.1 applies to any existing stationary gas turbine with a power rating greater than 1 megawatt and any new stationary gas turbine with a power rating greater than 0.3 megawatts, and provides monitoring, recordkeeping, and testing requirements.

This rule was originally adopted on 16 December 1998 and was last amended 24 February 2010.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The combustion gas turbine has an SCR system installed and therefore satisfies BACT requirements and meets the emission limits for NO<sub>x</sub> set by

this rule. This rule also requires the installation of CEMS for NO<sub>x</sub>. The combustion gas turbine has a CEMS installed and therefore satisfies the requirements of this rule.

**4.1.16**      *Rule 71 Abrasive Blasting*

This rule prohibits operation of any nonpermanent abrasive blasting equipment unless it meets the performance and emission standards set forth in the State of California Administrative Code: Title 17, Part III, Chapter 1, Subchapter 6, Abrasive Blasting, beginning with Section 92000.

This rule was originally adopted on 30 March 1977.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The facility does not conduct abrasive blasting; therefore, compliance with this rule is anticipated.

**4.1.17**      *Rule 98 Breakdowns Conditions: Emergency Variance*

Rule 98 provides breakdown procedures, emergency variance procedures for breakdown conditions, and reporting and enforcement requirements. The rule requires that deviations that result from from breakdowns be reported within 2 hours of detection and that the permittee provide a follow-up written report after corrective actions have been taken. For deviations not due to a breakdown but which result in excess emissions, the permittee shall report the deviation within 10 calendar days of detection. For all other deviations where no specific time frame for reporting a deviation applies, the permittee shall report the deviation at the time of the next semiannual monitoring summary or annual compliance certification, whichever occurs first.

This rule was originally adopted on 21 April 1978 and was last amended 25 July 1995.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The permittee will continue to comply with the reporting requirements of this rule for breakdowns and deviations. In the event of a breakdown in an automatic ammonia injection control system, the unit shall be shut

down or a trained operator shall operate the ammonia injection control system manually and the breakdown shall be reported to the District Compliance Division pursuant to Rule 98(8)(1) and 98(E).

**4.1.18**      *Rule 101 Burning Control*

This rule sets provisions for open burning and requires that open burning in San Diego County be conducted in a manner that minimizes emissions and smoke, and is managed consistent with state and federal law.

This rule was originally adopted on 17 January 1973 and was last amended 25 September 2002.

The 27 March 1990 version of this rule is identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, the 27 March 1990 version of this rule is federally enforceable through Title V.

The facility does not conduct open burning; therefore, compliance with this rule is anticipated.

**4.1.19**      *Rule 176 Information Supplied to the District*

Rule 176 states that the SDACPD shall give notice in writing that the information provided to the District may be released (1) to the public on request, except trade secrets which are not emission data, and (2) to the Federal Environmental Protection Agency, which protects trade secrets as provided in Section 114(c) of the Clean Air Act as amended in 1970, and in 40 CFR Chapter 1, Part 2. The rule also allows for the designation of "trade secret" for any part of records provided to the District that are entitled to confidentiality.

This rule was originally adopted on 22 May 1974.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

The permittee will continue to make any trade secret designations of records, documents, or other information submitted to the District or federal USEPA in accordance with this rule.

**4.1.20**      *Regulation X Standards of Performance for New Stationary Sources*

As incorporated in this regulation, the provisions of Title 40 CFR Part 60 New Source Performance Standards (NSPS) are adopted by reference and apply to the owner or operator of a stationary source that contains an affected facility, the construction or modification of which is commenced after the applicability date of each NSPS.

Applicable NSPS regulations are discussed in Section 4.3.

**4.1.21**      *Regulation XI National Emission Standards for Hazardous Air Pollutants*

As incorporated in this regulation, the provisions of Title 40 CFR Part 61 and 40 CFR Part 63 National Emissions Standards for Hazardous Air Pollutants (NESHAP) are adopted by reference.

Applicable NESHAP regulations are discussed in Section 4.3.

**4.1.22**      *Rule 1200 Toxic Air Contaminants - New Source Review*

Rule 1200 applies to new, relocated, or modified emission units which may increase emissions of one or more TACs and for which an ATC or PTO is required pursuant to Rule 10.

This rule was originally adopted on 12 June 1996 and was last amended 16 June 2014.

This rule is not identified as approved in the listing of USEPA Air Quality SIP-Approved Regulations, as of the date of this submittal. Therefore, this rule is not federally enforceable through Title V.

There is no emission increase associated with this application to renew the Title V Operating Permit. Therefore, the requirements of Rule 1200 do not apply.

**4.1.23**      *Rule 1401 Title V Operation Permits - General Provisions*

Rule 1401 applies to stationary sources that are major for Title V, or subject to a NSPS, NESHAP, or Title IV Acid Rain requirements. The facility is subject to these provisions and is thus subject to Rule 1401.

This rule was originally adopted on 18 January 1994 and was last amended 27 February 2004.

The purpose of Rule 1401 is to implement the operating permit requirements of Title V of the Federal Clean Air Act. Therefore, the requirements of this rule are federally enforceable through Title V.

#### **4.1.24**      *Rule 1410 Permits Required*

Rule 1410 applies to stationary sources which require a Title V Operating Permit and sets application and permitting requirements for such sources. Requirements for submitting applications, renewing permits, and significant and minor modifications to permits are provided, as well as administrative requirements.

This rule was originally adopted on 18 January 1994 and was last amended 27 February 2004.

The purpose of Rule 1410 is to implement the operating permit requirements of Title V of the Federal Clean Air Act. Therefore, the requirements of this rule are federally enforceable through Title V.

This application to renew the Title V Operating Permit for Chula Vista Energy is being submitted in accordance with the permit renewal provisions of this rule.

#### **4.1.25**      *Rule 1421 Permit Conditions*

Rule 1421 applies to stationary sources which require a Title V Operating Permit, and provides for state and federal enforceability of the permit as well as outlines required content.

This rule was originally adopted on 18 January 1994 and was last amended 27 February 2004.

The purpose of Rule 1421 is to implement the operating permit requirements of Title V of the Federal Clean Air Act. Therefore, the requirements of this rule are federally enforceable through Title V.

The permittee requests that all conditions of the existing Title V Operating Permit be carried over to the renewed version in order to maintain compliance with this rule.

## 4.2 STATE REGULATIONS

### 4.2.1 *Air Toxics "Hot Spots" Information and Assessment Act*

The Air Toxics "Hot Spots" Act Information and Assessment Act (AB 2588, 1987, Connelly) requires CARB to compile and maintain a list of substances posing chronic or acute health threats when present in the air. The Air Toxics "Hot Spots" Act currently identifies by reference over 600 substances which are required to be subject to the program. Under this program, stationary sources are required to report the types and quantities of certain substances their facilities routinely release into the air. Emissions of interest are those that result from the routine operation of a facility or that are predictable, including, but not limited to, continuous and intermittent releases and process upsets or leaks.

This Air Toxics "Hot Spots" Act Information and Assessment Act was originally enacted in September 1987 and was last amended by AB 564 on 19 September 1996.

The permittee will continue to comply with all applicable requirements of Air Toxics "Hot Spots" Information and Assessment Act.

## 4.3 FEDERAL REGULATIONS

### 4.3.1 *40 CFR Part 60 Subpart GG Standards of Performance for Stationary Gas Turbines*

This rule applies to stationary gas turbines with a heat input at peak load equal to or greater than 10 MMBtu/hr, based on the lower heating value of the fuel fired, that were constructed or reconstructed after 3 October 1977.

This rule was originally adopted on 10 September 1979 and was last amended 27 February 2014. This is a Federal rule; therefore, this rule is federally enforceable through Title V.

This section has been changed since the Title V permit was last issued. The changes do not appear to affect the overall applicability or requirements as they are applied to sources at this facility.

Since the 668.0 MMBtu/hr combustion gas turbine at the facility commenced construction, modification, or reconstruction after October 3, 1977, the unit is subject to the requirements of 40 CFR Part 60 Subpart GG.

Prior to issuing the current permit for the combustion gas turbine, a comparison between SDAPCD Rule 69.3.1 and Subpart GG was conducted for emission limits, work place standards, and monitoring, reporting, and testing requirements. The more stringent requirements between the two regulations were selected and incorporated into the permit in order to ensure compliance with both rules. The permittee will continue to comply with these requirements.

#### **4.3.2**      *40 CFR Part 60 Subpart KKKK Standards of Performance for Stationary Combustion Turbines*

The USEPA 40 CFR Part 60 Subpart KKKK requirements apply to stationary combustion turbines with a heat input at peak load equal to or greater than 10 MMBtu/hr which commenced construction, modification, or reconstruction after 18 February 2005. Stationary combustion turbines regulated under Subpart KKKK are exempt from the requirements of Subpart GG.

This regulation was adopted in February 2005 and has not been amended since. However, there is a pending proposal to amend Subpart KKKK. This is a Federal rule; therefore, this rule is federally enforceable through Title V.

The 668.0 MMBtu/hr combustion gas turbine at the facility was constructed and began operating prior to the adoption of 40 CFR Part 60 Subpart KKKK in 2005 and has not been reconstructed since. Therefore, this rule does not apply to the equipment at the facility at this time.

#### **4.3.3**      *40 CFR Part 61 Subpart M National Emission Standard for Asbestos*

These regulations apply to demolition or renovation activity, as defined in 40 CFR §61.141. The regulation includes identification and testing requirements, control requirements for processes, and control strategies for demolition and renovating activities, as well as recordkeeping and reporting requirements.

The facility is subject to the requirements of this rule and will continue to comply with the applicable monitoring, recordkeeping, and reporting requirements of this rule.

#### 4.3.4

#### *40 CFR Part 64 Compliance Assurance Monitoring*

The USEPA 40 CFR Part 64 requirements apply to any pollutant specific emission unit (PSEU) at a major source that is required to obtain a Part 70 permit if the unit satisfies all of the following criteria:

- The unit is subject to an emission limitation or standard for an applicable regulated air pollutant;
- The unit uses a control device to achieve compliance with any such emission limitation or standard; and
- The unit has a pre-control device potential to emit (uncontrolled emissions) of the applicable regulated air pollutant equal to or greater than:
  - 50 tpy of VOC
  - 50 tpy of NO<sub>x</sub>
  - 100 tpy of PM<sub>10</sub>
  - 100 tpy of SO<sub>x</sub>
  - 100 tpy of CO
  - 100 tpy of lead

A PSEU refers to an emission unit treated separately for each regulated air pollutant. In determining the pre-control device potential to emit from a PSEU, limits on hours of operation, throughput, or fuel consumption may be used provided that the limit is contained in a Part 70 permit condition.

Part 64 also contains a number of exemptions. The following are some examples of emission limitations or standards explicitly exempt from Compliance Assurance Monitoring (CAM) requirements:

- Those proposed by USEPA after 15 November 1990, including NSPS and Maximum Achievable Control Technology standards;
- Those for which a Part 70 permit already specifies a continuous compliance determination method, as defined in 40 CFR Part 64.1;
- An emission cap that meets the requirements specified in 40 CFR Part 70.4(b)(12); and
- Acid Rain Program requirements of Title IV.

In addition, control devices equipped with continuous emissions monitors are exempt from CAM under the continuous compliance determination method exemption.

This regulation was adopted on 22 October 1997 and has not been amended since. This is a Federal rule; therefore, this rule is federally enforceable through Title V.

For NO<sub>x</sub> and CO, this combustion gas turbine is equipped with CEMS for criteria air pollutants. Therefore, this permit unit is exempt from the CAM requirements. For SO<sub>x</sub>, PM<sub>10</sub>, and VOC, this unit is not subject to CAM since it does not have any add-on control device for those pollutants.

#### 4.3.5 *40 CFR Parts 72-78 Acid Rain Program*

The purpose of this regulation is to reduce and/or limit emissions of NO<sub>x</sub> and SO<sub>x</sub>, which contribute to acid rain. It establishes certain general provisions and the operating permit program requirements for affected sources and affected units under the Acid Rain Program, pursuant to Title IV of the Clean Air Act. Further requirements for affected sources under Part 72 are outlined in 40 CFR 73, 74, 75, 76, 77, and 78.

This regulation was adopted on 24 November 1997 and has not been amended since. This is a Federal rule; therefore, this rule is federally enforceable through Title V.

40 CFR Part 75 has been changed since the Title V permit was last issued. The combustion gas turbine is subject to the requirements of these regulations; however, the language in Section D of the Title V Operating Permit and the applicable permit conditions of PTO No. 976039 will not need to be revised on account of the revisions to 40 CFR Part 75. The turbine will continue to comply with the applicable monitoring, recordkeeping, and reporting requirements of this rule. The Acid Rain permit renewal form is included in Appendix D.

#### 4.3.6 *40 CFR Part 82 Subpart F Recycling and Emissions Reduction*

This regulation applies to the servicing, maintaining, and repairing of appliances. This subpart also applies to the disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, and persons selling, offering, or purchasing class I or class II refrigerants. The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the

service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ozone-depleting substances in accordance with Title VI of the Clean Air Act.

This regulation was originally adopted on 14 May 1993 and was last amended on 28 October 2014. This is a Federal rule; therefore, this rule is federally enforceable through Title V.

This section has been changed since the Title V permit was last issued. The changes do not appear to affect the overall applicability or requirements as they are applied to sources at this facility.

The facility is subject to the requirements of this rule and will continue to comply with the applicable monitoring, recordkeeping, and reporting requirements of this rule.

#### 4.4

#### *PERMIT SHIELD*

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V Operating Permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

The permittee is not requesting any new permit shields within this Title V renewal project. In addition, the permittee is not requesting any changes to the existing permit shields already included in their Title V operating permits. Chula Vista Energy Center requests that all of the existing permit shields be maintained on the revised permits for this renewal project.

**5.0 PROPOSED FEDERALLY ENFORCEABLE AND NON-FEDERALLY ENFORCEABLE REQUIREMENTS**

**5.1 PROPOSED SDAPCD REGULATIONS**

SDACPD is required by State law to annually publish a list of regulatory measures that are scheduled or tentatively scheduled for consideration during that calendar year. This list is available on the SDAPCD website and was reviewed for regulations scheduled or tentatively scheduled for consideration that are applicable to the facility.

**5.1.1 Rule 67.01 Architectural Coatings**

Rule 67.0 regulates VOC emissions from architectural coatings and was last amended by SDAPCD in 2001. Since then, advances in coating formulation processes have resulted in many types of architectural coatings with a lower VOC content. This is due in part to the CARB's 2007 Suggested Control Measure (SCM) for architectural coatings.

SDACPD now proposes to adopt and implement CARB's 2007 SCM in San Diego County. Due to the extent of Rule 67.0 revisions that would be necessary for consistency with the 2007 SCM and for the purpose of clarity, SDAPCD has proposed repealing Rule 67.0 and adopting new Rule 67.01 in its place.

Similar to existing Rule 67.0, proposed new Rule 67.01 will require any person who manufactures, supplies, sells, offers for sale, applies, or solicits the application of any architectural coating within San Diego County to comply with applicable provisions, including VOC content limits, labeling, and reporting requirements.

The facility does not typically use architectural coatings for any of its operations. However, in the case that architectural coatings are used, the permittee would comply with the VOC content limits and the labeling and reporting requirements of Rule 67.01, if this regulation is adopted.

**5.2 PROPOSED STATE REGULATIONS**

There are currently no proposed state regulations that are applicable to the facility.

### 5.3

### *PROPOSED FEDERAL REGULATIONS*

#### 5.3.1

#### *40 CFR Part 60 Subpart KKKK Standards of Performance for Stationary Combustion Turbines*

On 22 June 2012, the USEPA proposed revisions to emission control requirements for new, modified, and reconstructed stationary combustion turbines. The primary amendments to Subpart KKKK under consideration include:

- Specifying that periods of startup, shutdown, and malfunctions are now covered by the current NO<sub>x</sub> emissions standard;
- Allowing owners/operators of stationary combustion turbines burning byproduct gas to petition the Administrator for a site-specific NO<sub>x</sub> limit;
- Allowing owners/operators of stationary combustion turbines and any associated heat recovery equipment covered by both the previous combustion turbine NSPS (Subpart GG) and a steam generating unit NSPS the option to petition the Administrator to instead comply with Subpart KKKK;
- Specify that, even though the definition of “stationary combustion turbine” under CFR subpart KKKK includes ancillary equipment, that only the combustion turbine engine shall be considered when determining if a stationary combustion turbine is new or reconstructed;
- Exempting owners/operators of stationary combustion turbines that are complying with the sulfur dioxide (SO<sub>2</sub>) standard in either Subpart J or Ja from the SO<sub>2</sub> standards in Subpart KKKK;
- Exempting owners/operators of stationary combustion turbines that are complying with the SO<sub>2</sub> and NO<sub>x</sub> standard in either Subpart Ea, Eb, Cd, AAAA, or BBBB from the SO<sub>2</sub> and NO<sub>x</sub> standards in Subpart KKKK; and
- Amend the SO<sub>2</sub> standard for owners/operators of stationary combustion turbines burning low-Btu gases to be the same as the current standard for combustion turbines burning biogas (landfill gas, digester gas, etc.).

The permittee will comply will all revisions to Subpart KKKK if these amendments are adopted.

*Appendix A*

*Current Title V Operating Permit*



Air Pollution Control Board

Greg Cox	District 1
Dianne Jacob	District 2
Pam Slater-Price	District 3
Ron Roberts	District 4
Bill Horn	District 5

June 14, 2011

HAROLD E. DITTMER  
Chula Vista Energy Center LLC  
650 Bercut Dr. Suite C  
Sacramento, CA 95811

Permit No. 978119

Please find enclosed a copy of the initial Title V Operating Permits issued by the District on February 26, 2009 for your facility. A copy of the initial Title V Operating Permit for each facility has also been provided to EPA, Region IX.

In addition, revised copies of your District Permits to Operate for each facility are also enclosed. Please note that the revised permit conditions are now in effect.

Please note: Appendix B (Rule Reference Table) has been updated

If you have any questions regarding any of the enclosed Title V Operating Permits, please feel free to contact me at (858) 586-2750.

Sincerely,

A handwritten signature in black ink that reads 'Steve Moore'.

STEVE MOORE  
Senior Air Pollution Control Engineer

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**San Diego County Air Pollution Control District**

10124 Old Grove Rd.  
San Diego, CA 92131  
(858) 586-2600

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**TITLE V OPERATING PERMIT  
# 978119**

**Issued To:**

Chula Vista Energy Center LLC  
Site ID #APCD2000-SITE-03752

**Site Address**

3497 Main St.  
Chula Vista, CA 91911

**Mailing Address**

650 Bercut Dr. Suite C  
Sacramento, CA 95811  
(619) 440-3291

**Responsible Official** – Harold E. Dittmer, President

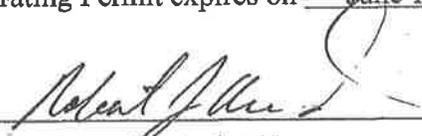
Paul Z. Cummins, Vice-President, Alternate

**Facility Contact** – Rachel Garza

**Permit Information Contact** – Rachel Garza

Issued by the San Diego County Air Pollution Control District on June 14, 2011.  
This Title V Operating Permit expires on June 14, 2016.

Signed by

  
Robert Kard, Air Pollution Control Officer

June 14, 2011

Date

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**PREAMBLE**

This Title V Operating Permit consists of this document and all appendixes, including District permits incorporated by reference. The facility is subject to all applicable requirements identified within this permit, unless a specific permit shield is specified within this permit. If an applicable requirement is omitted from this permit, the facility is still obligated to comply with such an applicable requirement. The permittee must comply with all of the terms listed in each section of this permit.

This permit contains five major sections: Section I contains the Regulation XIV requirements required to carry out the Title V Operating Permit program. Section II contains the requirements that are applicable to the facility on a facility-wide basis. Section III contains the requirements that are applicable to individual emission units which have been issued District permits or District registration, or which have been determined to be insignificant emission units. Section IV contains terms and requirements pertaining to variance procedures and compliance schedules, if applicable to the facility. Section V contains three appendixes. Appendix A contains all the District permits incorporated within this permit. Appendix B contains a table of all rules approved by the District and the rules contained in the State Implementation Plan (SIP). Appendix C contains a list of abbreviations used within this permit. The basis for each condition is noted in brackets following each condition.

Copies of the Rules and Regulations of the Air Pollution Control District of San Diego County and the Rules and Regulations for San Diego County contained in the SIP approved by EPA may be obtained at the District. Copies are also available for review at the following locations:

SD Air Pollution Control District (Library & Public Review Area)	County of SD Law Library (Downtown)	County of SD Law Library (North County)
10124 Old Grove Rd.	1105 Front St.	325 S. Melrose Suite 300
San Diego, CA 92131	San Diego, CA 92101	Vista, CA 92083
(858) 586-2600	(619) 531-3900	(760) 940-4386

The current Rules and Regulations of the Air Pollution Control District of San Diego County may also be viewed and downloaded using the following internet address:

[www.sdapcd.org](http://www.sdapcd.org)

The following addresses should be used to submit any certifications, reports or other information required by this permit:

SD Air Pollution Control District  
Compliance Division  
10124 Old Grove Rd.  
San Diego, CA 92131

USEPA Region IX  
Director of the Air Division Attn: Air-3  
75 Hawthorne Street  
San Francisco, CA 94105

## **SECTION I. REGULATION XIV PERMIT REQUIREMENTS**

### **A. ADMINISTRATIVE PERMIT TERMS**

1. This Title V Operating Permit expires on June 14, 2016. [Rule 1410]
2. Commencing or continuing operation under this permit to operate shall be deemed acceptance of all terms and conditions specified within this permit. This does not limit the right of the applicant to seek judicial review or seek federal EPA review of a permit term or condition. [Rule 1421]
3. This permit may be modified, revoked, reopened and reissued, or terminated by the District for cause. [Rule 1421]
4. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay the applicability of any permit condition. [Rule 1421]
5. This permit does not convey any property rights of any sort, nor any exclusive privilege. [Rule 1421]
6. The need for the permittee to halt or reduce a permitted activity in order to maintain compliance with any term or condition of this permit shall not be a defense for any enforcement action brought as a result of a violation of any such term or condition. [Rule 1421]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421]
8. For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any applicable requirement in this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Rule 1421]

### **B. RENEWAL REQUIREMENTS AND TERMS**

1. The permittee shall submit a complete application for renewal of this permit to the Air Pollution Control Officer no later than June 14, 2015 and no earlier than January 14, 2015. [Rule 1410]
2. If an administratively complete application for renewal of this permit has been submitted to the Air Pollution Control Officer within the dates specified in Section I.B.1., the terms and conditions of this permit shall remain in effect and the source may continue operations under these terms and conditions after June 14, 2016 until the Air Pollution Control Officer issues or denies the permit renewal. [Rule 1410]

**C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS**

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to California Health and Safety Code Section 41510. When requested by the District, records that are maintained in an electronic format, including, but not limited to, those records also maintained as hardcopy, shall be provided in an electronic format acceptable to the District. [Rule 1421]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five years from their date of creation. Such records shall be maintained on-site for a minimum of five years. [Rule 1421]
3. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
4. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
5. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421]

6. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]
7. The permittee shall report all deviations from any and all federally enforceable permit terms and conditions including: (a) breakdowns, whether or not they result in excess emissions, (b) deviations that result in excess emissions of any regulated air pollutant, and (c) deviations from monitoring, recordkeeping, reporting and other administrative requirements that do not result in excess emissions. For deviations that result from breakdowns under District Rule 98, the permittee shall report the breakdown within two hours of detection of the breakdown and provide a follow-up written report after corrective actions have been taken. For deviations not due to a breakdown but which result in excess emissions, the permittee shall report the deviation within ten calendar days of detection. For all other deviations where no specific time frame for reporting a deviation applies, the permittee shall report the deviation at the time of the next semi-annual monitoring summary or annual compliance certification, whichever occurs first. If an underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, then the criteria for the applicable requirement shall apply. The report must include the probable cause of such deviations and any corrective actions or preventive measures taken. [Rule 1421]

#### **D. GENERAL PERMIT REQUIREMENTS**

1. The permittee shall comply with all terms and conditions of this permit. This permit consists of this document and Appendixes A, B and C. Any noncompliance with the federally applicable terms and conditions of this permit shall constitute a violation of the federal Clean Air Act. Noncompliance with any federally applicable permit term or condition of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Noncompliance with any District permit term or condition is grounds for enforcement action by the District. [Rule 1421]
2. Upon a written request by the District, the permittee shall furnish to the District any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; any information required to determine compliance with this permit; or any records required to be maintained pursuant to this permit. Such information shall be provided within a reasonable time, as specified within the District's written request. [Rule 1421]
3. The permittee shall pay annual fees in accordance with District Rule 40. [Rule 1421]
4. The permittee shall provide access, facilities, utilities and any necessary safety equipment for source testing and inspection upon request of the District. [Rule 19]
5. This permit shall be maintained on-site at all times and be made available to the District upon request. [Rule 1410]
6. The Rule Reference Table provided in Appendix B shall be used to determine whether a cited rule is a federally and District enforceable requirement or a District only enforceable requirement. Any new or revised District rule shall not be considered

federally enforceable until the rule is approved by EPA into the SIP. In cases where SIP approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

**SECTION II. FACILITY-WIDE REQUIREMENTS**

**A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS**

The permittee shall comply with the applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation.

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10	Permits Required
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance

**B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS**

The permittee shall comply with the generally applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation. These generally applicable requirements apply on a facility-wide basis to all permitted equipment, registered equipment, and insignificant activities. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more permitted emission units, the requirement is also included in Section III.A, of this permit.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	67.0	Architectural Coatings
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOC
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. XI	Subpart M, 361.145	Standard for Demolition and Renovation
SDCAPCD Reg. XI	Subpart M, 361.150	Standard for Waste Disposal for Manufacturing, Fabricating, Demolition, Renovation, and Spraying Operations
40 CFR Part 82	Subpart F	Recycling and Emissions Reduction

**C. PERMIT SHIELDS**

1. The permittee is granted a permit shield from enforcement action for the rules cited in the table below based on the District's determination that such rules are not applicable to any operation at this facility. Permittee shall not perform any operation or activity subject to the rules cited in the table below.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	54	Dust and Fumes

2. The permittee is granted a permit shield from enforcement action for 40 CFR Part 68 for the reason that the facility does not use or store materials subject to regulation. .

**D. TITLE IV (ACID RAIN) REQUIREMENTS**

1. The permittee shall not exceed any emission allowances that are lawfully held under Title IV of the federal Clean Air Act or the regulations promulgated thereunder. [1421]
2. The permittee shall install, operate, and maintain equipment for the continuous monitoring of CO<sub>2</sub> and NO<sub>x</sub> on the common stack in accordance with 40 CFR Parts 72 and 75. [40 CFR Parts 72 and 75]
3. The permittee shall prepare and maintain onsite a written Quality Assurance program in accordance with 40 CFR Part 75, Appendix B, for the continuous monitoring of NO<sub>x</sub> emissions from the common stack. The components of the Quality Assurance program include, but are not limited to, procedures for daily calibration testing, quarterly linearity testing, record keeping and reporting implementation, and relative accuracy testing. [40 CFR Parts 72 and 75]
4. The permit holder shall monitor SO<sub>2</sub> emissions in accordance with 40 CFR Part 72 and 75. [40 CFR Parts 72 and 75]
5. The permit holder shall submit quarterly Electronic Data Reports (EDRs) to EPA for the emissions from the common stack in accordance with 40 CFR Part 75. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

**E. ADDITIONAL TERMS AND REQUIREMENTS**

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. Permittee shall provide records of the natural gas sulfur content to the District upon request. [Rule(s) 53, 62]
2. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source. [Rule 21]
3. The permittee shall file quarterly emission reports in accordance with Rule 19.2. [Rule 19.2]

**SECTION III. EMISSION UNIT REQUIREMENTS**

**A. DISTRICT PERMITTED EMISSION UNITS**

The District Permits listed below and attached in Appendix A, including all terms and conditions of such permits, constitute the emission unit portion of this Title V Operating Permit document.

Permit Number	Source Category
976039	Turbine

**B. REGISTERED AND LEASED EMISSION UNITS**

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations cited below for all registered and leased emission units, unless specifically exempted by the same Rule or Regulations.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	69.4	Stationary Reciprocating Internal Combustion Engines

**C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES**

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations cited below for all emission units not required to obtain a District Permit to Operate pursuant to Rule 11, unless specifically exempted by the same Rule or Regulations.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	66	Organic Solvents

**SECTION IV. VARIANCE PROCEDURES**

**VARIANCE PROCEDURES**

The permittee may seek relief from District enforcement action in the event of a breakdown in accordance with District Rule 98. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance does not provide relief from federal enforcement or citizen's suits. [Rule 98]

**SECTION V. APPENDICES**

**APPENDIX A: DISTRICT PERMITS (Attached)**

<b>Permit Number</b>	<b>Source Category</b>
976039	Turbine

**APPENDIX B. RULE REFERENCE TABLE (LAST UPDATED 06/14/11)**

Rule Citation <sup>1</sup>	RULE TITLE	A/R <sup>2</sup>	District Adoption Date <sup>3</sup>	SIP FR Approval Date
	<b>REGULATION I - GENERAL PROVISIONS</b>			
1	Title	F	04/30/80	09/28/81
2	Definitions	F	06/30/99	02/03/00 <sup>4</sup>
4	Review of Rules	F	01/01/70†	09/22/72
5	Authority to Arrest	F	03/24/76†	05/11/77
	<b>REGULATION II - PERMITS</b>			
10	Permits Required	F	07/25/95	03/11/98
10.1††	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions	F	09/20/78	07/06/82
11	Exemptions from Rule 10 Permit Requirements	D/F	04/25/07	Pending
12	Registration of Specified Equipment	D	11/15/00	N/A
12.1	Portable Equipment Registration	D	05/21/97	N/A
14	Applications	F	04/30/80	09/28/81
15	Permit Process - Public Notifications	D/F	09/18/90	Pending
17	Cancellation of Applications	F	11/25/81	03/11/98
18	Action on Applications	F	01/17/72	09/22/72
18	Action on Applications	D/F	09/18/90	Pending
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1††	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	12/13/78	09/28/81
19.3	Emission Information	F	5/15/96	03/09/00
20	Standards for Granting Applications	F	01/17/72	09/22/72
20	Standards for Granting Permits	D/F	06/10/86	Pending
20.1	Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements	F	07/05/79	04/14/81
20.1	NSR - General Provisions	D/F	11/04/98	Pending
20.2	Standards for Authority to Construct - Best Available Air Pollution Control Technology	F	07/05/79	04/14/81
20.2	NSR - Non-major Stationary Sources	D/F	11/04/98	Pending

1. Rule Citations marked with an “††” contain no substantive requirements and are listed for informational purposes only.
2. ‘A/R’ Denotes enforceability of the listed applicable requirement as follows:  
‘F’ Denotes a Federal applicable requirement that is federally enforceable and District enforceable.  
‘D/F’ Denotes a District applicable requirement which is pending SIP approval. When such a rule receives SIP approval, it supersedes the existing SIP rule and becomes the Federal applicable requirement.  
‘D’ Denotes a District only applicable requirement. This may include some state requirements that are enforceable by the District.
3. District adoption dates marked with an “†” are the effective date of the rule, the actual adoption date is uncertain.
4. On September 17, 2010, EPA approved the District’s November, 4, 2009, revision to the table of exempt compounds in Rule 2, which can be administratively amended without Board action to amend the rule.

20.3	Standards for Authority to Construct - Air Quality Analysis	F	07/05/79	04/14/81
20.3	NSR - Major Stationary Source and PSD Stationary Source	D/F	11/04/98	Pending
20.4	Standards for Authority to Construct - Major Stationary Sources	F	07/05/79	04/14/81
20.4	NSR - Portable Emission Units	D/F	11/04/98	Pending
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate Air Quality Analysis	D/F	12/15/87	Pending
20.8	Special Offset Requirement Relating to Banking	D	2/16/83	N/A
21	Permit Conditions	F	11/29/94	03/11/98
22	Denial of Applications	F	01/01/69†	09/22/72
23	Further Information	F	01/01/69†	09/22/72
24	Temporary Permit to Operate	F	03/20/96	10/24/08
25	Appeals	F	01/01/69†	09/22/72
25	Appeals	D/F	06/21/00	Pending
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D/F	10/22/97	Pending
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.2	Use of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.5	Transfer of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.6	District Banking of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.7	Shutdown and Related Emission Unit	D/F	10/22/97	Pending
26.8	Banking of Limited Emission Reductions	D/F	10/22/97	Pending
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D/F	10/22/97	Pending
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D/F	10/22/97	Pending
27	Banking of Mobile Source Emission Reduction Credits	D/F	11/29/94	Pending
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09
	<b>REGULATIONS III - FEES</b>			
40	Permit Fees	D	8/13/03	N/A
42	Hearing Board Fees	D	06/21/00	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
	<b>REGULATIONS IV - PROHIBITIONS</b>			
50	Visible Emissions	F	08/13/97	12/7/98
50.1††	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69†	09/22/72
52	Particular Matter	F	01/22/97	12/9/98
52.1††	NSPS & NESHAPS Particular Matter Requirements	D	11/08/76	N/A
53	Specific Contaminants	F	01/22/97	12/9/98
53.1	Scavenger Plants	F	01/01/69†	09/22/72
53.2††	NSPS & NESHAPS Specific Contaminants Requirements	D	11/08/76	N/A

54	Dusts and Fumes	F	01/22/97	12/9/98
54.1	NSPS & NESHAP Dust and Fumes Requirement	D	11/08/76	N/A
58	Incinerator Burning	F	01/17/73†	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	Withdrawn
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00
60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	08/13/03	N/A
61.0	Definitions Pertaining to the Storage & Handling of Organic Compounds	F	10/16/90	09/13/93
61.1	Receiving & Storing Volatile Organic Compounds at Bulk Plants & Bulk Terminals	F	01/10/95	08/08/95
61.2	Transfer of Volatile Organic Compounds into Mobile Transport Tanks	F	07/26/00	08/26/03
61.3	Transfer of Volatile Organic Compounds into Stationary Storage Tanks	F	10/16/90	06/30/93
61.3.1	Transfer of Gasoline into Stationary Underground Storage Tanks	D	03/01/06	N/A
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	F	10/16/90	05/13/93
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	D/F	03/26/08	Pending
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks	D	03/01/06	N/A
61.5	Visible Emission Standards for Vapor Control Systems	F	09/20/78†	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1††	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	07/22/81	07/06/82
66	Organic Solvents	F	07/25/95	08/11/98
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	Pending
67.0	Architectural Coatings	F	05/15/96	03/27/97
67.0	Architectural Coatings	D/F	12/12/01	Pending
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	05/15/96	03/27/97
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	05/15/96	11/03/97
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	5/23/07	10/13/09
67.6.2	Vapor Degreasing Operations	F	5/23/07	10/13/09
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	D/F	09/25/02	Pending

67.11.1	Large Coating Operations for Wood Products	F	09/25/02	06/05/03
67.12	Polyester Resin Operations	F	05/15/96	03/27/97
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/15/96	03/27/97
67.17	Storage of Materials Containing Volatile Organic Compounds	F	05/15/96	03/27/97
67.18	Marine Coating Operations	F	05/15/96	03/27/97
67.19	Coating and Printing Inks Manufacturing Operations	F	05/15/96	01/19/00
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations	D	11/13/96	N/A
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A
67.21	Adhesive Material Application Operations	D	12/16/98	N/A
67.22	Expandable Polystyrene Foam Products Manufacturing Operations	D	05/15/96	N/A
67.24	Bakery Ovens	F	05/15/96	03/27/97
68	Fuel-Burning Equipment – Oxides of Nitrogen	F	09/20/94	04/09/96
68.1††	NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment	D	11/08/76	N/A
69	Electrical Generating Steam Boilers, Replacement Units & New Units	D	12/12/95	N/A
69.2	Industrial & Commercial Boilers, Process Heaters & Steam Generators	F	09/27/94	02/09/96
69.2.1	Small Boilers, Process Heaters and Steam Generators	D	03/25/10	N/A
69.3	Stationary Gas Turbine Engines	F	09/27/94	06/17/97
69.3	Stationary Gas Turbine Engines – RACT	D/F	12/16/98	Pending
69.3.1	Stationary Gas Turbine Engines – BARCT	D	12/16/98	N/A
69.4	Stationary Internal Combustion Engines	F	09/27/94	01/22/97
69.4	Stationary Internal Combustion Engines – RACT	D/F	07/30/03	2/25/04
69.4.1	Stationary Internal Combustion Engines - BARCT	D	11/15/00	N/A
69.5	Natural Gas-Fired Water Heaters	D	06/17/98	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
70	Orchard Heaters	F	01/17/72	09/22/72
71	Abrasive Blasting	F	03/30/77	08/31/78
	<b>REGULATION V - PROCEDURES BEFORE THE HEARING BOARD</b>			
75	Procedure Before the Hearing Board	D/F	09/17/85	Pending
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	7/30/79
97	Emergency Variance	D/F	07/25/95	Pending
98	Breakdown Conditions: Emergency Variance	D	07/25/95	Withdrawn
	<b>REGULATION VI - BURNING CONTROL</b>			
101-112	Burning Control	F	09/25/02	04/30/03
	<b>REGULATION VII - VALIDITY AND EFFECTIVE DATE</b>			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72

<b>REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN</b>				
126	Applicability	F	05/25/77	08/31/78
127	Episode Criteria Levels	F	09/17/91	03/18/99
128	Episode Declaration	F	09/17/91	03/18/99
129	Episode Termination	F	05/25/77	08/31/78
130	Episode Actions	F	09/17/91	03/18/99
131	Stationary Source Curtailment Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	D/F	12/17/97	Pending
133	Schools	F	05/25/77	08/31/78
134	Source Inspection	F	04/01/81	06/21/82
135	Air Monitoring Stations	F	05/25/77	08/31/78
136	Interdistrict and Interbasin Coordination	F	05/25/77	08/31/78
137	Emergency Action Committee	F	05/25/77	08/31/78
138	Procedures and Plans	F	05/25/77	08/31/78
	APPENDIX A - Persons to be Notified on Episode Declaration	F		
<b>REGULATION IX - PUBLIC RECORDS</b>				
175	General	F	05/22/74†	05/11/77
176	Information Supplied to District	F	05/22/74†	05/11/77
177	Inspection of Public Records	F	03/30/77	08/31/78
177	Inspection of Public Records	D/F	06/20/01	Pending
<b>REGULATION XII - TOXIC AIR CONTAMINANTS</b>				
1200	Toxic Air Contaminants - New Source Review	D	06/12/96	N/A
1202	Hexavalent Chromium - Cooling Towers	D	07/25/95	N/A
1203	Ethylene Oxide Sterilizers and Aerators	D	07/26/00	N/A
1205	Control of Dioxin Emissions from Medical Waste Incinerators	D	01/01/94	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	06/12/96	N/A

<b>REGULATION XIV - TITLE V OPERATING PERMITS</b>				
1401	General Provisions	F	05/23/01	02/27/04
1410	Permit Required	F	05/23/01	02/27/04
1411	Exemption from Permit to Operate for Insignificant Units	F	01/18/94	11/30/01
1412	Federal Acid Rain Program Requirements	F	01/18/94	11/30/01
1413	Early Reduction of Hazardous Air Pollutants	F	03/07/95	11/30/01
1414	Applications	F	03/07/95	11/30/01
1415	Permit Process-Public Notification	F	05/23/01	02/27/04
1417	Pendency & Cancellation of Applications	F	03/07/95	11/30/01
1418	Action on Applications	F	03/07/95	11/30/01
1419	Provisions of Sampling & Testing Facilities & Emission Information	F	03/07/95	11/30/01
1420	Standards for Granting Permits	F	03/07/95	11/30/01
1421	Permit Conditions	F	03/07/95	02/27/04
1422	Denial or Cancellation Of Applications	F	03/07/95	11/30/01
1423	Further Information	F	01/18/94	11/30/01
1424	Applications Deemed Denied	F	01/18/94	11/30/01
1425	Appeals & Judicial Review	F	03/07/95	02/27/04
	APPENDIX A - Insignificant Units	F	01/18/94	11/30/01
	APPENDIX A - Insignificant Units	F	05/23/01	11/30/01
<b>REGULATION XV - FEDERAL CONFORMITY</b>				
1501	Conformity of General Federal Actions	F	03/07/95	04/23/99

The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. For all other NSPS and NESHAP, the versions cited in the CFR are the federally applicable requirements.

Subpart & Citation	RULE TITLE	District Adoption Date	Federal Delegation Date
<b>Part 60 REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES</b>			
A	General Provisions	Unknown 11/03/92	11/08/76
E	Standards of Performance for Incinerators	Unknown	03/30/77
I	Standards of Performance for Asphalt Concrete Plants	Unknown 01/13/87	11/08/76
L	Standards of Performance for Secondary Lead Smelters	Unknown	11/08/76
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	Unknown 09/17/85*	03/30/77
O	Standards of Performance for Sewage Treatment Plants	01/13/87	09/17/87
DD	Standards of Performance for Grain Elevators	Unknown	05/24/82
EE	Standards of Performance for Surface Coating Metal Furniture	03/04/86 11/03/92	03/19/87
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	08/24/83	12/22/83
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	09/17/86 11/03/92	03/19/87
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	02/22/84 11/03/92*	04/24/84
TT	Standards of Performance for Metal Coil Surface Coating	02/22/84 11/03/92*	04/24/84
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	03/14/89	07/18/89
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	09/17/86	03/19/87
JJJ	Standards of Performance for Petroleum Dry Cleaners	12/15/87	07/18/89
<b>Part 61 REGULATION XI- NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)</b>			
A	General Provisions	01/13/87	05/24/82
C	National Emission Standard for Beryllium	Unknown	11/08/76
D	National Emission Standard for Beryllium Rocket Motor Firing	Unknown	11/08/76
E	National Emission Standard for Mercury	03/27/90	05/17/91
F	National Emission Standard for Vinyl Chloride	08/17/77 06/16/78	11/21/77
M	National Emission Standard for Asbestos	06/04/85 02/01/95	07/18/89

The following ATCM and NESHAP have not been adopted by the District, but are being implemented and enforced by the District as ATCM's.

Subpart & Citation	RULE TITLE	A/R	Most Recent Adoption Date
<b>DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)</b>			
17 CCR § 93102	Hexavalent Chromium ATCM for Chrome Plating & Chromic Acid Anodizing Operations	D/F	12/7/06
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations	F	01/25/07
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying	D	09/30/05
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations	D	07/26/01
17 CCR § 93106	Asbestos ATCM for Surface Applications	D	07/20/00
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting	D	01/14/93
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities	D	04/27/00
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings	D	09/20/01
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning	D	02/03/03
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines	D	05/19/11
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines	D	02/19/11
<b>DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES</b>			
<b>Part 63</b>			
A	General Provisions	F	05/16/07
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	F	04/20/06
O	Ethylene Oxide Sterilization Facilities	F	12/28/07
R	Gasoline Distribution	F	01/24/11
T	Halogenated Solvent Cleaning	F	09/08/00
DD	Off-site Waste & Recovery Operations	F	07/20/99
GG	Aerospace Manufacturing and Rework Facilities	F	12/08/00
II	Shipbuilding and Ship Repair (Surface Coating)	F	12/15/95
JJ	Wood Furniture Manufacturing Operations	F	12/28/98
VVV	Publicly Owned Treatment Works	F	10/21/02
AAAA	Municipal Solid Waste Landfills	F	01/16/03
EEEE	Organic Liquids Distribution (non-gasoline)	F	07/17/08
MMMM	Surface Coating of Miscellaneous Metal Parts and Products	F	04/26/04
PPPP	Plastic Parts (surface coating)	F	04/24/07
SSSS	Surface Coating of Metal Coil	F	03/17/03
VVVV	Boat Manufacturing	F	08/22/01
WWWW	Reinforced Plastic Composites Production	F	8/25/05
YYYY	Stationary Combustion Turbines	F	08/18/04

ZZZZ	Stationary Reciprocating Internal Combustion Engines	F	03/09/11
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	F	05/18/11
GGGGG	Site Remediation	F	11/29/06
HHHHH	Miscellaneous Coating Manufacturing	F	10/04/06
PPPPP	Engine Test Cells/Stands	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07
BBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	F	01/24/11
CCCCC	Gasoline Dispensing Facilities	F	01/24/11
HHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	F	01/09/08
QQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWW	Plating and Polishing Operations Area Sources	F	07/01/08
XXXXX	Metal Fabrication and Finishing Area Sources	F	7/23/08
AAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources	F	12/02/09
CCCCCC	Paint and Allied Products Manufacture Area Sources	F	12/03/09

The following NSPS have been adopted by the District by reference. The rules listed below are the CFR versions of these rules which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
<b>Part 60</b>	<b>DISTRICT RULES AND REGULATIONS APPENDIX C - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)</b>			
D	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	10/17/00 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	06/11/01 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Db	Standards of Performance for Industrial-Commercial - Institutional Steam Generating Units	10/01/01 01/28/09	04/25/01 06/24/09	01/03/08 Pending
Dc	Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units	05/08/96 01/28/09	08/13/97 06/24/09	06/24/98 Pending
GG	Standards of Performance for Stationary Gas Turbines	06/27/89 02/24/06	10/17/01 02/25/09	01/03/08 Pending
K	Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	10/17/00	06/20/07	01/03/08
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction after May 18, 1978	12/14/00	06/20/07	01/03/08
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	10/15/03	06/20/07	01/03/08
AAA	Standards of Performance for New Residential Wood Heaters	06/12/99 10/17/00	04/12/00 N/A	01/03/08 N/A
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	06/09/97 10/17/00	04/28/99 N/A	05/28/02 N/A
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	07/29/93 10/17/00	11/17/99 N/A	05/28/02 N/A
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	09/11/89	05/23/07	01/03/08
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/10/00	08/13/97	06/24/98
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	12/06/00	06/20/07	01/03/08
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	12/01/00	06/20/07	01/03/08
EEEE	Standards of Performance for Other Solid Waste Incineration Units	12/16/05	06/20/07	01/03/08
KKKK	Standards of Performance for Stationary Combustion Turbines	07/06/06	02/25/09	06/01/09

The following NSPS have not been adopted by the District and are not delegated to the District. However, the District has the authority to enforce the NSPS through the Title V program. The rules listed below are the CFR versions of these rules, which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
<b>Part 60</b>				
III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	01/18/08	N/A	N/A

## APPENDIX C. ABBREVIATIONS

### LIST OF ABBREVIATIONS USED IN THIS PERMIT

APCO	Air Pollution Control Officer
ASTM	American Society for Testing and Methods
BAAQMD	Bay Area Air Quality Management District
BACT	Best Available Control Technology
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
District	San Diego County Air Pollution Control District
EF	Emission Factor
EPA	US Environmental Protection Agency
fCAA	federal Clean Air Act
HAP	Hazardous Air Pollutant
I&M	Inspection and Maintenance
MINOR NSR	New Source Review (State-only program requirement)
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review (Federal program requirement)
NO <sub>x</sub>	Oxides of nitrogen
O <sub>2</sub>	Oxygen
OES	Office of Emergency Services
O&M	Operation and maintenance
Pb	Lead
PM	Total Particulate Matter
PM <sub>10</sub>	Particulate matter with aerodynamic equivalent diameter of $\leq 10$ microns
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SDCAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SO <sub>x</sub>	Oxides of sulfur
Title IV	Title IV of the federal Clean Air Act
Title V	Title V of the federal Clean Air Act
VOC	Volatile Organic Compound
Units of Measure:	
dscf	= Dry standard cubic foot
g	= grams
gal	= gallon
gr/dscf	= Grains per dry standard cubic foot
hr	= hour
lb	= pound
in	= inches
max	= maximum
min	= minute
MM Btu	= Million British thermal units
psia	= pounds per square inch, absolute
scf	= Standard cubic foot
scfm	= standard cubic feet per minute
yr	= year

## APPENDIX D: TITLE IV PERMIT

### Acid Rain Permit (Title IV)

**Issued to:** Chula Vista Energy Center LLC

**Operated by:** Chula Vista Energy Center LLC

**ORIS Code:** 55540

**Effective:** June 14, 2011

**1) Statement of Basis**

Statutory and Regulatory Authorities: In accordance with District Regulation XIV and Titles IV and V of the federal Clean Air Act, the San Diego County Air Pollution Control District issues this permit pursuant to Regulation XIV.

**2) SO<sub>2</sub> Allowance Allocations for Each Affected Unit**

If the number of allowances allocated to a Phase II unit identified below is revised by EPA, this permit does not need to be reopened to revise the unit SO<sub>2</sub> allowance allocations.

		2010	2011	2012	2013	2014	2015
Permit No. 976039	SO <sub>2</sub> annual allowances (tons) pursuant to 40 CFR part 73	Xi	Xi	Xi	Xi	Xi	Xi

**3) Comments, Notes and Justifications**

No NO<sub>x</sub> limit was included in Section 2 because none of the units are affected units subject to 40 CFR part 76.

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Air Pollution Control Officer  
San Diego County Air Pollution Control District  
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**PERMIT TO OPERATE**

THE FOLLOWING IS HEREBY GRANTED A PERMIT TO OPERATE THE ARTICLE, MACHINE, EQUIPMENT OR CONTRIVANCE DESCRIBED BELOW. THIS PERMIT IS NOT TRANSFERABLE TO A NEW OWNER NOR IS IT VALID FOR OPERATION OF THE EQUIPMENT AT ANOTHER LOCATION, EXCEPT FOR PORTABLE EQUIPMENT. RULE 10C REQUIRES THIS PERMIT TO OPERATE OR COPY BE POSTED ON OR WITHIN 25 FEET OF THE EQUIPMENT, OR MAINTAINED READILY AVAILABLE AT ALL TIMES ON THE OPERATING PREMISES. THIS AIR POLLUTION CONTROL DISTRICT PERMIT DOES NOT RELIEVE THE HOLDER FROM OBTAINING PERMITS OR AUTHORIZATION REQUIRED BY OTHER GOVERNMENTAL AGENCIES.

PERMITTEE  
CHULA VISTA ENERGY CENTER LLC  
RACHEL GARZA  
650 BERGUT DR. #C  
SACRAMENTO CA 95811

EQUIPMENT ADDRESS  
  
3497 MAIN ST  
CHULA VISTA CA 91911

**EQUIPMENT DESCRIPTION**

GAS TURBINE (TWIN PACK): PRATT & WHITNEY, MODEL FT4/GG4, 44 MW, 688 MMBTU/HR HEAT INPUT, NATURAL GAS FIRED, SIMPLE CYCLE, S//N 675318 AND 675352, WITH DRY LOW-NOX COMBUSTORS, A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM INCLUDING AN AUTOMATIC AMMONIA INJECTION SYSTEM, A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS), AND A DATA ACQUISITION AND HANDLING SYSTEM.

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50 AND 51.  
FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR AND IS SUBJECT TO CIVIL AND CRIMINAL PENALTIES.

**A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

ADMINISTRATIVE

1. THE PERMITTEE SHALL COMPLY WITH THE FOLLOWING APPLICABLE REQUIREMENTS:  
40 CFR PARTS 60, 72, AND 73.  
[RULE 1421]
2. PROVIDED THE EQUIPMENT SUBJECT TO THIS PERMIT IS OPERATED IN COMPLIANCE WITH ALL OF THE SECTION (A) CONDITIONS LISTED BELOW AS THEY EXIST ON THE DATE OF ISSUANCE OF THE PERMIT, A PERMIT SHIELD IS GRANTED FROM ENFORCEMENT ACTION FOR THE FOLLOWING APPLICABLE REQUIREMENTS: RULE 53, RULE 62, RULE 68, RULE 69.3, 40 CFR PART 60 SUBPART GG, AND 40 CFR PART 75.  
[RULE 1421]
3. THE PERMITTEE SHALL COMPLY WITH ALL THE APPLICABLE PROVISIONS OF 40 CFR 73, INCLUDING REQUIREMENTS TO OFFSET, HOLD AND RETIRE SO2 ALLOWANCES  
[40 CFR PART 73]
4. ANY VIOLATION OF ANY EMISSION STANDARD AS INDICATED BY THE CEMS SHALL BE REPORTED TO THE DISTRICT WITHIN 96 HOURS AFTER SUCH OCCURRENCE.  
[CA HEALTH AND SAFETY CODE]
5. IN THE EVENT OF A BREAKDOWN IN AN AUTOMATIC AMMONIA INJECTION CONTROL SYSTEM, A TRAINED OPERATOR SHALL OPERATE THE SYSTEM MANUALLY AND THE BREAKDOWN SHALL BE REPORTED TO THE DISTRICT COMPLIANCE DIVISION PURSUANT TO RULE 98.  
[RULE 98]

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6. AN APPLICATION FOR MODIFICATION OF DISTRICT PERMITS FOR THIS EQUIPMENT SHALL BE REQUIRED FOR ANY PROPOSED PHYSICAL OR OPERATIONAL MODIFICATION TO THE EQUIPMENT DESCRIBED HEREIN, SUCH AS A MODIFICATION TO CONVERT THIS SIMPLE CYCLE TURBINE TO COMBINED CYCLE UNIT. APPLICABLE BACT REQUIREMENTS FOR THE PROPOSED EQUIPMENT MODIFICATION SHALL BE RE-EVALUATED AT THAT TIME.  
[RULE 10]

EMISSION LIMITS/OPERATIONAL LIMITS

**FUEL:**

7. THE UNIT SHALL BE FIRED ON PUBLIC UTILITY COMMISSION (PUC) QUALITY NATURAL GAS ONLY. THE PERMITTEE SHALL MAINTAIN QUARTERLY RECORDS OF SULFUR CONTENT (GRAINS/100 DSCF) AND HIGHER AND LOWER HEATING VALUES (BTU/DSCF) OF THE NATURAL GAS AND PROVIDE SUCH RECORDS TO THE DISTRICT PERSONNEL UPON REQUEST.  
[RULE 62]

**STARTUP/SHUTDOWN:**

8. FOR THE PURPOSES OF THIS PERMIT TO OPERATE, STARTUP PERIOD SHALL BE DEFINED AS THE 30 MINUTE TIME PERIOD STARTING WHEN FUEL FLOW BEGINS. SHUTDOWN PERIOD SHALL BE DEFINED AS THE 15-MINUTE PERIOD PRECEDING THE MOMENT AT WHICH FUEL FLOW CEASES. THE DATA ACQUISITION AND HANDLING SYSTEM (DAHS), AS REQUIRED BY 40 CFR PART 75, SHALL RECORD THESE EVENTS.  
[RULE 69.3.1]

**OXIDES OF NITROGEN:**

9. THE EMISSIONS OF OXIDES OF NITROGEN (NOX), CALCULATED AS NITROGEN DIOXIDE, FROM THE UNIT EXHAUST STACK SHALL NOT EXCEED 9 PARTS PER MILLION VOLUME ON A DRY BASIS (PPMVD) CORRECTED TO 15% OXYGEN AND AVERAGED OVER EACH CLOCK HOUR AND SHALL NOT EXCEED 5 PPMVD CORRECTED TO 15% OXYGEN AND AVERAGED OVER EACH CONTINUOUS ROLLING 3-HOUR PERIOD. COMPLIANCE WITH THESE LIMITS SHALL BE DEMONSTRATED CONTINUOUSLY BASED ON CEMS DATA AND SOURCE TESTING, CALCULATED AS THE AVERAGE OF THREE SUBTESTS. THESE LIMITS SHALL NOT APPLY DURING STARTUP AND SHUTDOWN PERIODS.  
[RULE 69.3, TULE 69.3.1, NSR]
10. TOTAL COMBINED OXIDES OF NITROGEN (NOX) EMISSIONS FROM ALL TURBINES, AND OTHER EMISSION UNITS AT THIS STATIONARY SOURCE, SHALL NOT EXCEED THE MAJOR SOURCE THRESHOLD OF 50 TONS PER CALENDAR YEAR. THE DAILY NOX MASS EMISSIONS FROM EACH TURBINE SHALL BE RECORDED DAILY. THE AGGREGATE NOX MASS EMISSIONS FROM ALL TURBINES FOR EACH CALENDAR MONTH, AND FOR EACH ROLLING 12-MONTH PERIOD, SHALL BE CALCULATED AND RECORDED BY THE 15<sup>TH</sup> CALENDAR DAY OF THE FOLLOWING MONTH. IN THE EVENT THAT AN ANNUAL MAJOR STATIONARY SOURCE THRESHOLD IS PROJECTED TO BE TRIGGERED, THE PERMITTEE SHALL SUBMIT A COMPLETE APPLICATION TO MODIFY THIS PERMIT AT LEAST 6 MONTHS PRIOR TO THE PROJECTED DATE OF EXCEEDANCE DEMONSTRATING HOW COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS WILL BE ACHIEVED.  
[NSR]

**CARBON MONOXIDE:**

11. EMISSIONS OF CARBON MONOXIDE (CO) FROM THE UNIT EXHAUST STACK SHALL NOT EXCEED 70 PARTS PER MILLION VOLUME ON A DRY BASIS (PPMVD) CORRECTED TO 15% OXYGEN AND AVERAGED OVER EACH ROLLING THREE-HOUR PERIOD. COMPLIANCE WITH THIS LIMIT SHALL BE DEMONSTRATED CONTINUOUSLY BASED ON CEMS DATA AND BY SOURCE TESTING, CALCULATED AS THE AVERAGE OF THREE SUBTESTS. THIS LIMIT SHALL NOT APPLY DURING STARTUP AND SHUTDOWN PERIODS.  
[NSR]
12. TOTAL COMBINED CARBON MONOXIDE (CO) EMISSIONS FROM ALL TURBINES, AND ANY OTHER EMISSION UNITS, AT THIS STATIONARY SOURCE SHALL NOT EXCEED THE

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PREVENTION OF SIGNIFICANT DETERIORATION (PSD) THRESHOLDS OF 250 TONS PER YEAR. THE DAILY CO MASS EMISSIONS FROM EACH UNIT SHALL BE RECORDED DAILY. THE AGGREGATE CO MASS EMISSIONS FROM ALL TURBINES FOR EACH CALENDAR MONTH, AND FOR EACH ROLLING 12-MONTH PERIOD, SHALL BE CALCULATED AND RECORDED BY THE 15<sup>TH</sup> CALENDAR DAY OF THE FOLLOWING MONTH. IN THE EVENT THAT THE ANNUAL PSD STATIONARY SOURCE THRESHOLD IS PROJECTED TO BE TRIGGERED, THE PERMITTEE SHALL SUBMIT A COMPLETE APPLICATION TO MODIFY THIS PERMIT AT LEAST 6 MONTHS PRIOR TO THE PROJECTED DATE OF EXCEEDANCE DEMONSTRATING HOW COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS WILL BE ACHIEVED.  
[NSR]

**VOLATILE ORGANIC COMPOUNDS:**

13. EMISSIONS OF VOLATILE ORGANIC COMPOUNDS (VOCs), CALCULATED AS METHANE, FROM THE UNIT EXHAUST STACK SHALL NOT EXCEED 2 PARTS PER MILLION VOLUME ON A DRY BASIS (PPMVD) CORRECTED TO 15% OXYGEN. COMPLIANCE WITH THIS LIMIT SHALL BE DEMONSTRATED BY SOURCE TESTING, CALCULATED AS THE AVERAGE OF THREE SUBTESTS. THIS LIMIT SHALL NOT APPLY DURING STARTUP AND SHUTDOWN PERIODS.  
[NSR]

**AMMONIA:**

14. AMMONIA EMISSIONS FROM THE UNIT EXHAUST STACK SHALL NOT EXCEED 10 PARTS PER MILLION VOLUME ON A DRY BASIS (PPMVD) CORRECTED TO 15% OXYGEN. COMPLIANCE WITH THIS LIMIT SHALL BE DEMONSTRATED THROUGH SOURCE TESTING CALCULATED AS THE AVERAGE OF THREE SUBTESTS. THIS LIMIT SHALL NOT APPLY DURING STARTUP AND SHUTDOWN PERIODS.  
[RULE 1200]

**RECORDKEEPING/MONITORING**

15. THE TURBINE SHALL BE EQUIPPED WITH CONTINUOUS MONITORS TO MEASURE, CALCULATE AND RECORD THE FOLLOWING OPERATIONAL CHARACTERISTICS:  
A HOURS OF OPERATION (HOURS);  
B NATURAL GAS FLOW RATE (KSCFH);  
C EXHAUST GAS FLOW RATE (KSCFH);  
D AMMONIA INJECTION RATE;  
E RATIO OF AMMONIA INJECTION RATE TO OUTLET NOX MASS EMISSION RATE (LBS NH3 PER LBS NOX); AND  
F POWER OUTPUT (MW).  
THESE MONITORS SHALL BE CALIBRATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES AND A PROTOCOL APPROVED BY THE DISTRICT. CALIBRATING RECORDS FOR THE CONTINUOUS MONITORS SHALL BE MAINTAINED ON SITE AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.  
[RULE 69.3.1]
16. THE AMMONIA INJECTION FLOW RATE SHALL BE CONTINUOUSLY MONITORED, RECORDED AND CONTROLLED. THE FLOW RATE DEVICE SHALL BE CALIBRATED TO AN ACCURACY OF AT LEAST +/- 5% ON AN ANNUAL BASIS. RECORDS OF AMMONIA INJECTION RATE (IN POUNDS PER HOUR) AND FLOW RATE DEVICE CALIBRATION SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 69.3.1, RULE 1200]
17. FUEL FLOW METERS SHALL BE INSTALLED AND MAINTAINED TO MEASURE THE FUEL FLOW RATE CORRECTED FOR TEMPERATURE AND PRESSURE. CORRECTION FACTORS AND CONSTANTS SHALL BE MAINTAINED ON SITE AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. THE FUEL FLOW METERS SHALL MEET THE APPLICABLE QUALITY ASSURANCE REQUIREMENTS OF 40 CFR PART 75, APPENDIX D, SECTION 2.1.6.  
[40 CFR PART 75]

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18. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED AND PROPERLY MAINTAINED AND CALIBRATED IN ACCORDANCE WITH AN APPROVED CEMS PROTOCOL TO MEASURE, CALCULATE AND RECORD THE FOLLOWING, IN ACCORDANCE WITH THE APPROVED CEMS PROTOCOL:  
(A) HOURLY AVERAGE CONCENTRATION OF OXIDES OF NITROGEN (NOX) CORRECTED TO 15% OXYGEN, IN PARTS PER MILLION (PPM);  
(B) HOURLY AVERAGE CONCENTRATION OF CARBON MONOXIDE (CO) CORRECTED TO 15% OXYGEN, IN PARTS PER MILLION (PPM);  
(C) PERCENT OXYGEN (O<sub>2</sub>) IN THE EXHAUST GAS (%);  
(D) AVERAGE CONCENTRATION OF OXIDES OF NITROGEN (NOX) CORRECTED TO 15% OXYGEN FOR EACH CONTINUOUS ROLLING 3-HOUR PERIOD, IN PARTS PER MILLION (PPM);  
(E) HOURLY MASS EMISSIONS OF OXIDES OF NITROGEN (NOX), IN POUNDS;  
(F) DAILY MASS EMISSIONS OF OXIDES OF NITROGEN (NOX), IN POUNDS;  
(G) MONTHLY MASS EMISSIONS OF OXIDES OF NITROGEN (NOX), IN POUNDS;  
(H) ANNUAL MASS EMISSIONS OF OXIDES OF NITROGEN (NOX), IN TONS;  
(I) HOURLY MASS EMISSION OF CARBON MONOXIDE (CO), IN POUNDS;  
(J) DAILY MASS EMISSION OF CARBON MONOXIDE (CO), IN POUNDS;  
(K) MONTHLY MASS EMISSION OF CARBON MONOXIDE (CO), IN POUNDS; AND  
(L) ANNUAL MASS EMISSION OF CARBON MONOXIDE (CO), IN TONS.  
THE CEMS SHALL BE OPERATED IN ACCORDANCE WITH THE APPROVED CEMS MONITORING PROTOCOL AT ALL TIMES WHEN THE UNIT IS IN OPERATION. A COPY OF THE CEMS MONITORING PROTOCOL SHALL BE MAINTAINED ON SITE AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 69.3.1, NSR]
19. THE DISTRICT SHALL BE NOTIFIED AT LEAST TWO WEEKS PRIOR TO ANY CHANGES MADE IN CEMS SOFTWARE THAT AFFECT THE MEASUREMENT, CALCULATION OR CORRECTION OF DATA DISPLAYED AND/OR RECORDED BY THE CEMS.  
[RULE 69.3.1, 40 CFR PART 75, NSR]
20. OPERATING LOG OR DATA ACQUISITION SYSTEM (DAS) RECORDS SHALL BE MAINTAINED EITHER ON SITE OR AT A DISTRICT-APPROVED ALTERNATE LOCATION TO RECORD ACTUAL TIMES AND DURATIONS OF ALL STARTUPS AND SHUTDOWNS, QUANTITY OF FUEL USED (MONTHLY AND ANNUAL), HOURS OF DAILY OPERATION, AND TOTAL CUMULATIVE HOURS OF OPERATION DURING EACH CALENDAR YEAR.  
[RULE 69.3.1, NSR]
21. WHEN THE CEMS IS NOT RECORDING DATA AND THE UNIT IS OPERATING, HOURLY NOX EMISSIONS SHALL BE DETERMINED IN ACCORDANCE WITH 40 CFR 75 APPENDIX C. ADDITIONALLY, HOURLY CO EMISSIONS SHALL BE DETERMINED USING THE HOURLY EMISSION RATE RECORDED BY THE CEMS DURING THE MOST RECENT HOURS IN WHICH THE UNIT OPERATED 3 CONTINUOUS HOURS AT NO LESS THAN 80% OF FULL POWER RATING. ALTERNATE CO EMISSION FACTORS SHALL BE DETERMINED FROM COMPLIANCE SOURCE TEST EMISSIONS DATA. THE ALTERNATE HOURLY CO EMISSION RATE SHALL BE REVIEWED AND APPROVED BY THE DISTRICT, IN WRITING.  
[NSR]
22. THE OXIDES OF NITROGEN (NOX) AND OXYGEN (O<sub>2</sub>) CEMS SHALL BE CERTIFIED AND MAINTAINED IN ACCORDANCE WITH APPLICABLE FEDERAL REGULATIONS INCLUDING THE REQUIREMENTS OF SECTIONS 75.10 AND 75.12 OF TITLE 40, CODE OF FEDERAL REGULATIONS PART 75 (40 CFR 75), THE PERFORMANCE SPECIFICATIONS OF APPENDIX A OF 40 CFR 75, THE QUALITY ASSURANCE PROCEDURES OF APPENDIX B OF 40 CFR 75 AND THE CEMS PROTOCOL APPROVED BY THE DISTRICT. THE CARBON MONOXIDE (CO) CEMS SHALL BE CERTIFIED AND MAINTAINED IN ACCORDANCE WITH 40 CFR 60 APPENDICES B AND F, UNLESS OTHERWISE SPECIFIED IN THIS PERMIT.  
[RULE 69.3.1, 40 CFR PART 75].
23. THE AIR POLLUTION CONTROL SYSTEM INCLUDING THE WATER INJECTION SYSTEM, IF EQUIPPED WITH WATER INJECTION FOR NOX CONTROL AND THE AMMONIA INJECTION

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SYSTEM SERVING THE SCR, SHALL BE IN OPERATION IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AT ALL TIMES WHEN THE UNIT IS IN OPERATION EXCEPT DURING STARTUPS AND SHUTDOWNS. ALL MANUFACTURER'S SPECIFICATIONS SHALL BE MAINTAINED ON SITE OR AT A DISTRICT-APPROVED ALTERNATE LOCATION AND MADE AVAILABLE TO DISTRICT PERSONNEL WITHIN 48 HOURS AFTER REQUEST.  
[NSR]

24. A RELATIVE ACCURACY TEST AUDIT (RATA) AND ALL OTHER REQUIRED CERTIFICATION TESTS SHALL BE PERFORMED AND COMPLETED ON THE CEMS IN ACCORDANCE WITH 40 CFR PART 75 APPENDIX A AND B. AT LEAST 21 DAYS PRIOR TO THE TEST DATE, THE PERMITTEE SHALL SUBMIT A TEST PROTOCOL TO THE DISTRICT FOR APPROVAL. ADDITIONALLY, THE DISTRICT SHALL BE NOTIFIED A MINIMUM OF 21 DAYS PRIOR TO THE TEST SO THAT OBSERVERS MAY BE PRESENT. WITHIN 30 DAYS OF COMPLETION OF THIS TEST, A WRITTEN TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL.  
[40 CFR PART 75]
25. THE CEM SHALL BE MAINTAINED AND OPERATED, AND REPORTS SUBMITTED, IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 19.2 SECTIONS (d), (e), (f)(1)(H), (f)(2), (f)(3), (f)(4) AND (f)(5).  
[RULE 19.2]
26. THIS UNIT SHALL BE SOURCE TESTED TO DEMONSTRATE COMPLIANCE WITH THE NOX, CO, VOC, AND AMMONIA EMISSION STANDARDS OF THIS PERMIT, USING DISTRICT APPROVED METHODS. THE SOURCE TEST AND THE NOX AND CO RATA TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE RATA FREQUENCY REQUIREMENTS OF 40 CFR 75, APPENDIX B, SECTIONS 2.3.1 AND 2.3.3.  
[NSR]
27. THE SOURCE TEST PROTOCOL SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:  
(A) MEASUREMENTS OF OXIDES OF NITROGEN (NOX), CARBON MONOXIDE (CO), AND STACK GAS OXYGEN CONTENT (O<sub>2</sub>%) SHALL BE CONDUCTED IN ACCORDANCE WITH U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 7E AND DISTRICT SOURCE TEST METHOD 100, OR THE AIR RESOURCES BOARD (ARB) TEST METHOD 100, AS APPROVED BY THE EPA.  
(B) MEASUREMENT OF VOLATILE ORGANIC COMPOUNDS (VOCs) EMISSIONS SHALL BE CONDUCTED IN ACCORDANCE WITH THE SAN DIEGO AIR POLLUTION CONTROL DISTRICT METHODS 25A AND/OR 18.  
(C) MEASUREMENTS OF AMMONIA EMISSIONS SHALL BE CONDUCTED IN ACCORDANCE WITH BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD) TEST METHOD ST-1B.  
(D) SOURCE TESTING SHALL BE PERFORMED AT THE NORMAL LOAD LEVEL, AS SPECIFIED IN 40 CFR PART 75 APPENDIX A SECTION 6.5.2.1.D, AND AT NO LESS THAN 80% OF THE UNIT'S RATED LOAD (UNLESS IT IS DEMONSTRATED TO THE SATISFACTION OF THE DISTRICT THAT THE UNIT CANNOT OPERATE UNDER THESE CONDITIONS. IF THIS DEMONSTRATION IS ACCEPTED, THEN EMISSIONS SOURCE TESTING SHALL BE PERFORMED AT THE HIGHEST ACHIEVABLE CONTINUOUS POWER LEVEL.  
[RULE 69.3.1, NSR]
28. WITHIN 30 DAYS AFTER COMPLETION OF THE RENEWAL SOURCE TEST OR RATA, A FINAL TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.  
[RULE 69.3.1, NSR]
29. EXCEPT AS SPECIFIED HEREIN, ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED ON SITE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. IF THIS SITE BECOMES UNMANNED, THE PERMITTEE SHALL SUBMIT AN ALTERNATE SITE FOR THE MAINTENANCE OF RECORDS TO DISTRICT FOR APPROVAL.  
[RULE 1421]

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**B. DISTRICT-ONLY--ENFORCEABLE CONDITIONS**

30. THE PERMITTEE, SHALL UPON DETERMINATION OF APPLICABILITY AND WRITTEN NOTIFICATION BY THE DISTRICT, COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE AIR TOXICS 'HOT SPOTS' INFORMATION AND ASSESSMENT ACT (CALIFORNIA HEALTH AND SAFETY CODE SECTION 44300 ET. SEQ.).  
[AIR TOXICS HOTS SPOTS]
31. THIS AIR POLLUTION CONTROL DISTRICT PERMIT DOES NOT RELIEVE THE HOLDER FROM OBTAINING PERMITS OR AUTHORIZATION REQUIRED BY OTHER GOVERNMENTAL AGENCIES.

*Appendix B*

*SDAPCD Forms*

*Appendix C*

*Emission Calculations*

Table 1  
Annual Potential to Emit

Permit Number	Specific Source of Emissions	Emissions (tpy)											
		NOx	CO	VOC	PM10	SOx	TAC	HAP	CO2	CH4	N2O	GHG	CO2e
976039	44 MW (668 MMBtu/hr) Pratt & Whitney FT4/GG4 with dry low-NOx combustors and SCR	50	250	3.9	10	0.7	22.0	1.5	173,768	68.8	101.5	173,772	173,938
	<b>Total (tpy)</b>	<b>50</b>	<b>250</b>	<b>3.9</b>	<b>10</b>	<b>0.7</b>	<b>22.0</b>	<b>1.5</b>	<b>173,768</b>	<b>68.8</b>	<b>101.5</b>	<b>173,772</b>	<b>173,938</b>

**Table 2**  
**Criteria Pollutant Emissions from PTO No. 976039**  
**44 MW (668 MMBtu/hr) Pratt & Whitney FT4/GG4 with dry low-NOx combustors and SCR**

Category	NOx <sup>(1)</sup>	CO <sup>(1)</sup>	VOC <sup>(1)</sup>	PM10 <sup>(2)</sup>	SOx <sup>(2)</sup>
Emission Factor (ppmvd @ 15% O2)	9.0	70.0	2.0	---	---
Emission Factor (lb/MMBtu)	0.034	0.159	0.003	0.007	4.70E-04
Hourly Emissions (lb/hr)	22.5	106.4	1.7	4.4	0.3
Daily Emissions (lb/day)	539.6	2554.7	41.7	105.8	7.5
Annual Emissions (tpy)	50	250	3.9	10	0.7

**Notes:**

- (1) Emission factors in units of ppmvd and annual emissions in units of tpy for NOx, CO, and VOC are taken directly from conditions of PTO No. 976039, with exception of annual emissions of VOC.
- (2) Emission factors in units of lb/MMBtu for PM10 and SOx are taken from SDAPCD Emission Calculation Procedures Table T10, entitled "Turbine, Natural Gas Fired, All Sizes, with Water Injection & Selective Catalytic Reduction (SCR)."
- (3) Maximum annual hours of operation was calculated by taking the number of hours it would take to reach the annual emission limits on NOx and CO set in PTO No. 976039.

Rated Heat Input =	668.0	MMBtu/hr
Maximum Daily Operations =	24	hr/day
Maximum Annual Operations <sup>(3)</sup> =	4,448	hr/year

Table 3  
Toxic Air Contaminant and Hazardous Air Pollutant Emissions from PTO No. 976039

Pollutant	44 MW (668 MMBtu/hr) Pratt & Whitney FT4/GG4 with dry low-NOx combustors and SCR						
	TAC <sup>(1)</sup>	HAP <sup>(2)</sup>	Emission Factor (lb/MMBtu) <sup>(3)</sup>	Hourly Emissions per Turbine (lb/hr)	Daily Emissions per Turbine (lb/day)	Annual Emissions per Turbine (tpy)	
1,3-Butadiene	Yes	Yes	4.30E-07	2.87E-04	6.89E-03	6.39E-04	
Acetaldehyde	Yes	Yes	4.00E-05	2.67E-02	6.41E-01	5.94E-02	
Acrolein	Yes	Yes	6.40E-06	4.28E-03	1.03E-01	9.51E-03	
Ammonia	Yes	No	1.38E-02	9.23	221.58	20.53	
Benzene	Yes	Yes	1.20E-05	8.02E-03	1.92E-01	1.78E-02	
Ethylbenzene	Yes	Yes	3.20E-05	2.14E-02	5.13E-01	4.75E-02	
Formaldehyde	Yes	Yes	7.10E-04	4.74E-01	1.14E+01	1.05E+00	
Naphthalene	Yes	Yes	1.30E-06	8.68E-04	2.08E-02	1.93E-03	
PAH	Yes	Yes	2.20E-06	1.47E-03	3.53E-02	3.27E-03	
Toluene	Yes	Yes	1.30E-04	8.68E-02	2.08E+00	1.93E-01	
Xylene	Yes	Yes	6.40E-05	4.28E-02	1.03E+00	9.51E-02	
			<b>Total TAC</b>	<b>9.90</b>	<b>237.6</b>	<b>22.0</b>	
			<b>Total HAP</b>	<b>0.67</b>	<b>16.0</b>	<b>1.5</b>	

Notes:

- (1) Pollutants on CARB Toxic Air Contaminant List
- (2) Pollutants on EPA Hazardous Air Pollutant List
- (3) Emission factors in units of lb/MMBtu are taken from SDAPCD Emission Calculation Procedures Table T10, entitled "Turbine, Natural Gas Fired, All Sizes, with Water Injection & Selective Catalytic Reduction (SCR)." Ammonia emission factor based on ammonia slip permit limit of 10 ppm at 15% oxygen.
- (4) Maximum annual hours of operation was calculated by taking the number of hours it would take to reach the annual emission limits on NOx and CO set in PTO No. 976039.

Rated Heat Input =	668.0	MMBtu/hr
Maximum Daily Operations =	24	hr/day
Maximum Annual Operations <sup>(4)</sup> =	4,448	MMBtu/yr

Table 4  
Greenhouse Gas Emissions from PTO No. 976039  
44 MW (668 MMBtu/hr) Pratt & Whitney FT4/GG4 with dry low-NOx combustors and SCR

Pollutant	44 MW (668 MMBtu/hr) Pratt & Whitney FT4/GG4 with dry low-NOx combustors and SCR				
	Emission Factor <sup>(1)</sup> (kg/MMBtu)	GHG Emissions (MT/yr)	GHG Emissions (ST/yr)	Global Warming Potential <sup>(2)</sup>	CO <sub>2</sub> e (ST/yr)
CO <sub>2</sub>	53.06	157,640	173,768	1	173,768
CH <sub>4</sub>	1.00E-03	3.0	3.3	21	69
N <sub>2</sub> O	1.00E-04	0.30	0.33	310	102
		<b>Total GHG =</b>	<b>173,772</b>	<b>Total CO<sub>2</sub>e =</b>	<b>173,938</b>

Notes:

- (1) CO<sub>2</sub> emission factors from Table C-1 to Subpart C of Part 98. CH<sub>4</sub> and N<sub>2</sub>O emission factors from Table C-2 to Subpart C of Part 98.
- (2) Global warming potentials (GWPs) from Table A-1 to Subpart A of Part 98
- (3) Maximum annual hours of operation was calculated by taking the number of hours it would take to reach the annual emission limits on NO<sub>x</sub> and CO set in PTO No. 976039.

Rated Heat Input =	668.0	MMBtu/hr
Maximum Annual Operations <sup>(3)</sup> =	4,448	hr/year

*Appendix D*

*Acid Rain Permit Application*



**Permit Requirements****STEP 3**

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
  - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
  - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
  - (ii) Have an Acid Rain Permit.

**Monitoring Requirements**

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

**Sulfur Dioxide Requirements**

- (1) The owners and operators of each source and each affected unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

### **Sulfur Dioxide Requirements, Cont'd.**

**STEP 3, Cont'd.**

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

### **Nitrogen Oxides Requirements**

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

### **Excess Emissions Requirements**

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.

(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:

(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and

(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

### **Recordkeeping and Reporting Requirements**

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:

(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the

Facility (Source) Name (from STEP 1)

submission of a new certificate of representation changing the designated representative;

**STEP 3, Cont'd.**

**Recordkeeping and Reporting Requirements, Cont'd.**

(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

**Liability**

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.

(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.

(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

**Effect on Other Authorities**

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

Chula Vista Energy Center, LLC  
 Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating

**Effect on Other Authorities, Cont'd.**

to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4  
 Read the certification statement, sign, and date.

**Certification**

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name <b>Harold E. Dittmer</b>	
Signature 	Date <span style="color: blue;">5/27/2015</span>



## Instructions for the Acid Rain Program Permit Application

*The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.*

Please type or print. If assistance is needed, contact the title V permitting authority.

**STEP 1** A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is [EIA-860@eia.gov](mailto:EIA-860@eia.gov).

**STEP 2** In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

### Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

### Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

### Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**