

September 3, 2020

Nicholas Horres  
Senior Air Pollution Control Engineer  
San Diego APCD  
10124 Old Grove Road  
San Diego, CA 92131

Subject: **Application for Title V Permit Renewal  
Chula Vista Energy Center, LLC (Site ID # APCD2000-SITE-03752)**

Dear Mr. Horres,

Chula Vista Energy Center, LLC (CVEC) is an electrical generation facility operating a 44 MW simple-cycle electrical power generating system. The facility consists of a Gas Turbine (twin pack), Pratt & Whitney, Model FT4/GG4. With this application, CVEC is requesting renewal of its Title V Permit to Operate (Permit APCD2007-TVP-978119) which expires on October 10, 2021. The current permit to operate is enclosed with the application forms

An application fee estimate was provided by Nicholas Horres, SDAPCD Engineer, on June 4, 2020. A check in the amount of \$8,354.00 is enclosed for processing of the enclosed application package.

The application package includes the following items:

1. Attachment A – SDAPCD Forms
2. Attachment B – Current Title V Operating Permit
3. Attachment C – SDAPCD Application Fee Estimate

Should you or your staff have any questions concerning this proposal or need additional information, please do not hesitate to contact me (619.579.9002 or [scobbe@wellhead.com](mailto:scobbe@wellhead.com)) or our consultant, Scott Weaver of Ramboll (213.943.6360 or [msweaver@ramboll.com](mailto:msweaver@ramboll.com)).

Best regards,

Stephen J. Cobbe



Enclosures

Cc: Paul Cummins, CVEC (Sacramento, CA)  
Susana Miramontes, CVEC (Chula Vista, CA)  
Scott Weaver, Ramboll (Los Angeles, CA)

**ATTACHMENT A  
SDAPCD FORMS**

<b>Internal Use Only</b>	
APP ID: APCD 2020-APP/CER-	006444
SITE ID: APCD 2000 -SITE-	03752

**GENERAL PERMIT OR  
REGISTRATION  
APPLICATION FORM**



**Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c).**

**REASON FOR SUBMITTAL OF APPLICATION:**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> New Installation  | <input type="checkbox"/> Existing Unpermitted Equipment or Rule 11 Change  | <input type="checkbox"/> Modification of Existing Permitted Equipment                      |
| <input type="checkbox"/> Amendment to Existing Authority to Construct or Application | <input type="checkbox"/> Change of Equipment Location                      | <input type="checkbox"/> Change of Equipment Ownership (please provide proof of ownership) |
| <input type="checkbox"/> Change of Permit Conditions                                 | <input type="checkbox"/> Change Permit to Operate Status to Inactive       | <input type="checkbox"/> Banking Emissions   |
| <input type="checkbox"/> Registration of Portable Equipment                          | <input checked="" type="checkbox"/> Other (Specify) Title V Permit Renewal |  |

List affected APP/PTO Record ID(s): APCD2008-PTO-976039 APCD2007-TVP-978119

**APPLICANT INFORMATION**

Name of Business (DBA) Chula Vista Energy Center LLC  
 Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations?  Yes  No  
 If yes, list assigned Site Record IDs listed on your Permits Escondido Energy Center, LLC (APCD2000-SITE-03769), El Cajon Energy, LLC (APCD2009-SITE-06554)  
 Name of Legal Owner (if different from DBA) \_\_\_\_\_

Equipment Owner	Authority to Construct Mailing Address
Name: Chula Vista Energy Center LLC	Name: Chula Vista Energy Center LLC
Mailing Address: 650 Bercut Drive, Suite C	Mailing Address: 3497 Main Street
City: Sacramento State: CA Zip: 95811	City: Chula Vista State: CA Zip: 91911
Phone: (916) 447-5171	Phone: (599) 352-1441
E-Mail Address: pcummins@wellhead.com	E-Mail Address: scobbe@wellhead.com

Permit To Operate Mailing Address	Invoice Mailing Address
Name: Chula Vista Energy Center LLC	Name: Chula Vista Energy Center LLC
Mailing Address: 3497 Main Street	Mailing Address: 650 Bercut Drive, Suite C
City: Chula Vista State: CA Zip: 91911	City: Sacramento State: CA Zip: 95811
Phone: (610) 579-9002	Phone: (916) 447-5171
E-Mail Address: scobbe@wellhead.com	E-Mail Address: pcummins@wellhead.com

**EQUIPMENT/PROCESS INFORMATION:** Type of Equipment:  Stationary  Portable, *if portable please enter below the equipment storage address.* If portable, will operation exceed 12 consecutive months at the same location  Yes  No

Equipment Location Address 3497 Main Street City Chula Vista State: CA  
 Parcel No. \_\_\_\_\_ Zip 91911 Phone (619) 579-9002 E-mail: scobbe@wellhead.com  
 Site Contact Stephen J. Cobbe Phone (619) 579-9002

General Description of Equipment/Process Gas Turbine (twin pack), Pratt & Whitney, Model FT4/GG4

Application Submitted by  Owner  Operator  Contractor  Consultant Affiliation \_\_\_\_\_

**EXPEDITED APPLICATION PROCESSING:**  I hereby request Expedited Application Processing and understand that:  
 a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

This application is true and correct.

Date 08/28/2020  
 Company Chula Vista Energy Center LLC  
 E-mail Address pcummins@wellhead.com

Print Name Paul Z. Cummins  
 Phone (916) 447-5171

**Internal Use Only**

Date	<u>9/4/2020</u>	Staff Initials:	<u>cm</u>	Amt Rec'd \$	<u>8354</u>	Fee Schedule	<u>TIV = 8280 ETM</u>
RNP:	<u>0</u>	EMF:	<u>0</u>	NBF:	<u>74</u>	TA:	<u>0</u>

GEN\_APP\_Form\_Rev Date: Aug. 2017

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)**

<p style="text-align: center;"><b>Company Name</b></p> <p style="text-align: center;">Chula Vista Energy Center LLC</p>	<p style="text-align: center;"><b>District Use Only</b></p> <p>NEDS # _____</p> <p>SITE ID # _____</p>
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**I. FACILITY IDENTIFICATION**

1. Facility Name (if different than company name): \_\_\_\_\_
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): Wellhead Electric
4. Mailing Address: 650 Bercut Drive, Suite C  
 City Sacramento State CA Zip 95811
5. Street Address or Source Location: 3497 Main Street  
 City Chula Vista State CA Zip 91911
6. UTM Coordinates: Easting: 494495.13 Northing: 3606031.31 Zone: 11S
7. Source Located within 50 miles of a state line:  Yes  No (All sources are within 50 miles)
8. Source Located within 1000 feet of a school:  Yes  No
9. Type of Organization:  Corporation  Sole Ownership  Government  
 Partnership  Utility Company
10. Legal Owner's Name: Chula Vista Energy Center LLC
11. Owner's Agent name (if any): \_\_\_\_\_
12. Responsible Official: Paul Z. Cummins
13. Plant Site Manager/Contact: Stephen J. Cobbe Phone #: (619) 579-9002 FAX #: (619) 579-9005
14. Application Contact: Stephen J. Cobbe
15. Type of Facility: Power plant
16. General description of processes/products: Gas Turbine (twin pack), Pratt & Whitney, Model FT4/GG4
17. 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	APCD2007-TVP-978119	10/10/2021
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

**III. DESCRIPTION OF PERMIT ACTION**

1. Does the permit action requested involve:
 

<input type="checkbox"/> Temporary Source	<input type="checkbox"/> Voluntary Emissions Caps
<input checked="" type="checkbox"/> Acid Rain Source	<input type="checkbox"/> Alternative Operating Scenarios
<input checked="" type="checkbox"/> CEMs	<input type="checkbox"/> Permit Shield
<input type="checkbox"/> Outdated SIP Requirement Streamlining	<input type="checkbox"/> Multiple Applicable Requirement Streamlining
<input type="checkbox"/> Source Subject to MACT Requirements [Section 112]	
<input type="checkbox"/> Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]	
2. Is source operating under a Compliance Schedule?  Yes  No  Proposed
3. Is source operating under a Variance  Yes  No (If Yes, please attach variance information)
4. For permit modification, provide a general description of the proposed permit modification:  
N/A

**IV. SUPPLEMENTAL ATTACHMENTS\*:** \_\_\_\_\_

\* 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)**

Company Name	District Use Only
Chula Vista Energy Center, LLC	NEDS # _____ SITE ID # _____

**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"/>
PM <sub>10</sub>	100	<input type="checkbox"/>
SO <sub>2</sub>	100	<input type="checkbox"/>
NO <sub>x</sub>	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"/>
Title IV Acid Rain facility		<input checked="" 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 \_\_\_\_\_

Inventory Year \_\_\_\_\_

[Redacted Signature]

08/28/2020

Signature of Responsible Official

Date

Paul Z. Cummins  
 Print Name of Responsible Official

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

Vice President  
 Title of Responsible Official

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

Yes  No

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**DISTRICT USE ONLY**

Date Application Received: \_\_\_\_\_

Application # \_\_\_\_\_

Application Filing Fee: \_\_\_\_\_

District Received Stamp: \_\_\_\_\_

Receipt #: \_\_\_\_\_

Fee Code: \_\_\_\_\_

**CERTIFICATION STATEMENT**  
**CHULA VISTA ENERGY CENTER, LLC**

3497 Main Street  
Chula Vista, California 91911

Certification Statement for Program 1 Process: Aqueous Ammonia Storage for a NOx Reduction System

Based on the criteria in Section 2735.4 of Title 19 of CCR, the distance to the specified endpoint for the worst-case accidental release scenario for the following process is less than the distance to the nearest receptor: Aqueous Ammonia Storage for NOx Reduction System. Within the past five years, the process has had no accidental release that caused offsite impacts provided in the risk management program Section 2735.4 (c) (1). No additional measures are necessary to prevent offsite impacts from accidental releases. In the event of fire, explosion, or a release of a regulated substance for the process, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area as arranged with the emergency contact indicated in the RMP.

To the best of the undersigned's knowledge, information, and belief formed after reasonable inquiry, the information submitted here is true, accurate, and complete.

Signature 

Plant Manager

Title

Stephen J. Cobbe

Print Name

Date

5/25/17

**CERTIFICATION STATEMENT**  
**CHULA VISTA ENERGY CENTER, LLC**

3497 Main Street  
Chula Vista, California 91911

Certification Statement for the following California Accidental Release Prevention (CalARP) Program Level 1 Process:

- Aqueous Ammonia

Based on the criteria in Section 2735.4 of Title 19 of CCR, the distance to the specified endpoint for the worst-case accidental release scenario for the following process(es) is less than the distance to the nearest public receptor: NOx Reduction System. Within the past five years, the process has had no accidental release that caused offsite impacts provided in the risk management program Section 2735.4 (c)(1). No additional measures are necessary to prevent offsite impacts from accidental releases. In the event of fire, explosion, or a release of a regulated substance from the process, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area except as arranged with the emergency contact indicated in the RMP. The undersigned certifies that, to the best of my knowledge, information, and belief, formed after reasonable inquiry, the information submitted is true, accurate, and complete.

  
Signature

STEPHEN J COBBE  
Print Name

PLANT MANAGER  
Title

11/1/2019  
Date

San Diego County Air Pollution Control District  
 10124 Old Grove Rd., San Diego, CA 92131  
 (858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Insignificant Activity List (FORM 1401-G)**

<b>Company Name</b> _____ Chula Vista Energy Center LLC	<b>District Use Only</b> NEDS # _____ SITE ID # _____
Facility Address: 3497 Main Street, Chula Vista, Ca 91911	

**LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES**

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

**Exemptions based on Size (Capacity)**

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input type="checkbox"/> Water cooling towers & ponds with a capacity < 10,000 gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in <sup>3</sup> of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of ≤ 2500 in <sup>3</sup> , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft <sup>3</sup>	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft <sup>3</sup> in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft <sup>2</sup>	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)



**TITLE V APPLICATION**  
**Insignificant Activity List (FORM 1401-G)**

**Continued - Exemptions based on Size (Capacity)**

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary organic compound storage tanks with a capacity of $\leq 250$ gallons	(e)(1)
<input type="checkbox"/> Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of $\leq$ eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
<input type="checkbox"/> Liquid surface coating application operations using air brushes with a coating capacity of $\leq 2$ ounces for the application of a stencil coating	(h)(6)
<input type="checkbox"/> Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area $< 5 \text{ ft}^2$ and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
<input type="checkbox"/> Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is $< 2$ million Btu/hr	(o)(37)

**Exemptions based on Production Rates (Emission Limits)**

<input type="checkbox"/> Printing or graphic arts presses located at a stationary source which emits a total of $< 15$ lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
<input type="checkbox"/> Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use $< 10$ lbs/day of any material containing VOCs	(d)(23)
<input type="checkbox"/> Fire extinguishing equipment, using halons with a charge of $< 50$ lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
<input type="checkbox"/> Coffee roasting equipment with a manufacturer's rating of $\leq 15$ lbs/hr Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations $< 5$ ton/yr.	(d)(45) (d)(49)(iii)
<input type="checkbox"/> Oil quenching tanks which use $< 20$ gal/yr of make-up oil	(d)(56)
<input type="checkbox"/> Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are $< 15$ lbs/day.	(d)(48)
<input type="checkbox"/> Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is $< 0.5$ gal/day	(d)(62)
<input type="checkbox"/> Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers $< 60,000$ gal/yr.	(f)(2)
<input type="checkbox"/> Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions $< 15$ lbs/day.	(e)(3)
<input type="checkbox"/> Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
<input type="checkbox"/> Liquid surface coating application operations exclusively using materials with a VOC content of $< 20$ g/L where $< 30$ gal/day of such materials are applied.	(h)(2)
<input type="checkbox"/> Foam manufacturing or application operations which emit $< 5$ lbs/day of VOCs	(i)(1)
<input type="checkbox"/> Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit $< 5$ lbs/day of VOCs	(i)(2)
<input type="checkbox"/> Plastics manufacturing or fabrication operations which emit $< 5$ lbs/day of VOCs	(i)(3)
<input type="checkbox"/> Cold solvent degreasers used for educational purpose and which emit $< 5$ lbs/day of VOCs	(i)(4)

**TITLE V APPLICATION**  
**Insignificant Activity List (FORM 1401-G)**

- Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs. (i)(5)
- Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day (i)(6)
- Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs (i)(7)
- Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are < 5 lbs/day (i)(8)
- Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs. (i)(9)
- Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs. (o)(9)
- Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs (o)(12)
- Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound. (o)(18)
- Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr (o)(28)
- Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed. (o)(29)(ii)
- Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr. (o)(32)
- Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound. (o)(33)
- Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr. (o)(34)(ii)

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)**

<b>Company Name</b> _____ Chula Vista Energy Center LLC	<b>District Use Only</b>  NEDS # _____ SITE ID # _____
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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, Reports, Rule Section	Facility	Turbine														Future Effective Date
------	------------------	-----------------------------	-----------------------------------	----------	---------	--	--	--	--	--	--	--	--	--	--	--	--	--	-----------------------

**Facility Applicable Requirement Description**

10(a)	Permits Required – (a) Authority to Contract			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, Reports, Rule Section	Facility	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)																
61.3.1	Transfer Of Gasoline Into Stationary Underground Storage Tanks (not in the SIP)	(h)	(g)																
61.4	Transfer of VOCs into Vehicle Fuel Tanks																		
61.4.1	Transfer Of Gasoline From Stationary Underground Storage Tanks Into Vehicle Fuel Tanks (not in the SIP)	(g)	(f)																
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															
66.1	Misc. Surface Coating Operations & other Processes Emitting VOC (not in SIP)	(h)	(f)																
67.1	Alternative Emission Control Plans (AECP)	(e)	(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)																

**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															Future Effective Date
67.6	Solvent Cleaning Operation	(f)																	
67.6.1	Cold Solvent Cleaning and Stripping Operations	(g)	(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)																		

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine														Future Effective Date
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																		
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	X														
69.2	Boilers	(f)	(e) & (g)																
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)		X														
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)		X														
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																		

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

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)																		

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine															Future Effective Date
20.3	NSR – Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP)																			
20.4	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)																			
20.6	Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																			

SUBPART	Regulation X - Standards of Performance for New Stationary Sources (NSPS)	Rule #	Rule #																	
A	General Provisions		260.7 260.13																	
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.45																	
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.47a 260.48a 260.49a																	
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47b 260.48b 260.49b																	
E	Standards of Performance for Incinerators	260.54	260.53																	
I	Standards of Performance for Asphalt Concrete Plants	260.93																		

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

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																	
<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>Turbine</b>															<b>Future Effective Date</b>

**Subpart**

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																			

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

SUBPART	New Source Performance Standards (40 CFR 60)															
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															

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine													Future Effective Date
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Subpart																		
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																	



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

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.																			

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine															Future Effective Date
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**Subpart**

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																			

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

III	Stationary Compression Ignition Internal Combustion Engines NSPS																		
JJJ	Stationary Spark Ignition Internal Combustion Engines NSPS																		

**SUBPART REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)**

A	General Provisions																		
C, D	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																		

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine														Future Effective Date
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**Subpart**

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																

**SUBPART NESHAPS (40 CFR 61)**

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.																			

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

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.																			

SUBPART		MACT Standards (40 CFR 63)																			
RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine															Future Effective Date	
F,G, H,I	Amendment: Reopening, Averaging Issue																				
L	Coke Ovens																				
O	Ethylene Oxide Sterilizers																				
Q	Industrial Process Cooling Towers																				
R	Gasoline Distribution Facilities																				

Subpart																						
RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Turbine																Future Effective Date	
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																					

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

AAAA	Municipal Solid Waste Landfills																		
DDDDD	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 Requirements Under 17 CCR Including Airborne Toxic Control Measures (ATCM)**

§93102	Hexavalent Chromium from Chrome Plating and Chromic Acid Anodizing Operations (equivalency under CAA given at 40 CFR 63.99)																		
§93109	Perchloroethylene from Dry Cleaning Operations (equivalency under CAA given at 40 CFR 63.99)																		
§93115	Stationary Compression Ignition Engines																		
§93116	Diesel Particulate Matter from Portable Engines Rated ≥50 Horsepower																		
§§95460 – 95476 and Appx I	Methane Emissions from Municipal Solid Waste Landfills																		

	<b>40 CFR Part 64 - Compliance Assurance Monitoring</b>																		
	<b>40 CFR Part 68 Chemical Accident Prevention</b>																		
	<b>Title IV - Acid Rain (40 CFR 72 through 78)</b>						X												

**Title VI-Ozone Depleting Compounds (40 CFR 82)**

B	Servicing of Motor Vehicle Air Conditioners	B																	
F	Servicing of Other Air Conditioners	F					X												

**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**  
**LIST OF PERMITS BY EQUIPMENT CATEGORY (FORM 1401-H2)**

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

**PERMITTED EMISSION UNITS BY EQUIPMENT CATEGORY**

In the emission unit (equipment) category order entered on Form 1401-H1, Applicable Requirements Summary Checklist, list emission units by permit number for the specific emission unit (equipment) category. Under the column labeled status place an "O" if operational, "N" if non-operational, or "S" if the equipment is new and currently operating under a startup authorization. If more space is required, use additional forms. Please type or print legibly.

Emission Unit Category	Application/ Permit No.	Status of Emission Unit
Natural gas fired combustion turbine	APCD2008-PTO-976039	O

**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 Street, Chula Vista, CA 91911	SITE ID # _____

*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>  |

\_\_\_\_\_  
Signature of Responsible Official

Paul Cummins  
Print Name of Responsible Official

Vice President  
Title of Responsible Official

08/28/2020  
Date

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

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

<b>TITLE V APPLICATION Compliance Certification Schedule (FORM 1401-K)</b>
--

<b>Company Name</b> _____ Chula Vista Energy Center LLC	<b>District Use Only</b> NEDS # _____ SITE ID # _____
Facility Address: 3497 Main Street, Chula Vista, Ca 91911	

In numerical order, list all sources that have federally enforceable requirements for compliance certification on a more frequent basis than once per year. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Frequency
	Not applicable. Permitted unit requires compliance certification once per year.		

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

<b>TITLE V APPLICATION</b>
<b>Schedule of Compliance (FORM 1401-L)</b>

<p align="center">Company Name</p> <p align="center"><u>Chula Vista Energy Center LLC</u></p> <p>Facility Address: <u>3497 Main Street, Chula Vista, CA 91911</u></p>	<p align="center">District Use Only</p> <p>NEDS # _____</p> <p>SITE ID # _____</p>
---	--

**SOURCES NOT IN COMPLIANCE**

In numerical order, list all emission units by permit number that do not comply with a federally enforceable requirement. Describe how the source will achieve compliance. Propose a schedule to correct the deficiencies, and include a schedule for progress reports. Reports must be submitted at least every six months. If the source is operating under a judicial consent decree or administrative order, the Schedule of Compliance must be at least as stringent. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Compliance Schedule Attachment
Not applicable -	Facility emission unit complies with all applicable requirements.		



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  
 Abatement Devices (FORM 1401-M)**

<b>Company Name</b> <u>Chula Vista Energy Center LLC</u>	<b>District Use Only</b>
Facility Address: <u>3497 Main Street, Chula Vista, CA 91911</u>	NEDS # _____ SITE ID # _____

**LIST OF ABATEMENT DEVICES**

In numerical order, list all abatement devices, the abatement device, name or description, and the emission unit or operation abated. If more space is required, use additional forms. Please type or print legibly.

Permit No(s)	Abatement Device Name or Description	Emission Unit(s) or Operation(s) Abated
APCD2008-PTO-976039	Selective Catalytic Reduction system	Natural gas fired turbine

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**  
**Alternative Operating Scenario (FORM 1401-N)**

<b>Company Name</b> _____ Chula Vista Energy Center LLC _____	<b>District Use Only</b>
Facility Address: _____ 3497 Main Street, Chula Vista, CA 91911 _____	NEDS # _____ SITE ID # _____

**SCENARIO WITH EMISSION CHANGES**

Give a title, a brief description, and an emission change. Attach calculations and detailed descriptions of each scenario to this form, using one form for each scenario. **Please type or print legibly.**

**Operating Scenario #** Not applicable. The facility is not applying for additional alternative operating scenarios.

<b>TITLE</b>	
<b>DESCRIPTION</b>	
<b>EMISSION CHANGE</b>	

Attach all necessary calculations, detailed descriptions, and proposed terms and conditions to this form.

**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**  
**Multiple Applicable Requirements Streamlining (FORM 1401-O)**

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

**MULTIPLE APPLICABLE REQUIREMENTS STREAMLINING**

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit No(s)	Multiple Applicable Requirements	Streamlined Requirements	Attachment Number
	Not applicable.	Not applicable.	

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  
Permit Shield (FORM 1401-Q)**

<b>Company Name</b> <u>Chula Vista Energy Center LLC</u>	<b>District Use Only</b> NEDS # _____ SITE ID # _____
Facility Address: <u>3497 Main Street, Chula Vista, CA 91911</u>	

**REQUEST FOR PERMIT SHIELD**

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit No(s)	Requirements to be Shielded	Basis	Attachment Number
	No permit shield is requested		

**ATTACHMENT B  
TITLE V OPERATING PERMIT**

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**San Diego County Air Pollution Control District**

10124 Old Grove Rd  
San Diego, CA 92131-1649  
(858) 586-2600

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**TITLE V OPERATING PERMIT  
APCD2007-TVP-978119**

**Issued To:**

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

**Site Address:**

Street Address  
3497 Main Street, Chula Vista, CA, 91911  
(559) 352-1441

**Mailing Address**

650 Bercut Dr. Suite C  
Sacramento, CA, 95811

**Responsible Official -- Harold E. Dittmer, President**  
**Alternate Responsible Official -- Paul Z. Cummins, Vice President**  
**Facility & Permit Information Contact -- Stephen Cobbe**

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Issued by the San Diego County Air Pollution Control District on 10/11/2016

This Title V Operating Permit expires on 10/10/2021



Jim Swaney, P.E., Chief of Engineering

10/11/2016

Date

\*Administrative amendment of 10/16/2017 added alternate RO.

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**PREAMBLE**

This Title V Operating Permit consists of this document and all appendices, 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 appendices. Appendix A contains all the District permits incorporated within this permit. Appendix B contains a table of all SIP approved and District approved rules. Appendix C contains a list of abbreviations used within this permit.

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 State Implementation Plan (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) 10124 Old Grove Rd San Diego, CA 92131-1649 (858) 586-2600	County of SD Law Library (Downtown) 1105 Front St. San Diego, CA 92101 (619) 531-3900	County of SD Law Library (North County) 325 S. Melrose Suite 300 Vista, CA 92083 (760) 940-4386
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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 92131-1649	USEPA Region IX Director of the Air Division Attn: Air-3 75 Hawthorne Street San Francisco, CA 94105
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## **SECTION I. REGULATION XIV PERMIT REQUIREMENTS**

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

1. This Title V Operating Permit expires 5 years from date of issuance. [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, or 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 at least 12 months, but not more than 18 months, prior to permit expiration. [Rule 1410]
2. If an administratively complete application for renewal of this permit has been submitted to the Air Pollution Control Officer within the timeframe 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 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. [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 (5) years from their date of creation. Such records shall be maintained on-site for a minimum of one year. Any additional records are maintained at a location to be specified by the source and made readily available to the District upon request. This requirement controls and supersedes any other record retention requirement under this permit as it pertains to, and is required by, District Rule 1421 and Title V of the Clean Air Act. [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 1401-J1 and Form 1401-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 1401-J1 and Form 1401-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 Appendices 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 federal enforcement action or enforcement action by the District; 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 from 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
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan

**B. GENERAL PROHIBITORY 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	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. X	40 CFR 60 Subpart A	NSPS General Provisions
SDCAPCD Reg. XI	40 CFR 63 Subpart A	NESHAP General Provisions
SDCAPCD Reg. XI	40 CFR 61 Subpart M	NESHAP - Asbestos
40 CFR Part 82	Subpart A	Production and Consumption Controls
40 CFR Part 82	Subpart B	Servicing of Motor Vehicle Air Conditioners
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. ADDITIONAL TERMS**

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. [Rules 53, 62]
2. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60 and 63.

**E. 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. [Rule 1421]
2. The permittee shall install, operate, and maintain equipment for the determination of CO<sub>2</sub> and NO<sub>x</sub> emissions on each applicable exhaust stack in accordance with 40 CFR Parts 72 and 75. [40 CFR Parts 72 and 75.10(a)]
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 each applicable exhaust stack. The components of the Quality Assurance program include, but are not limited to, procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. [40 CFR Parts 72 and 75]
4. The permittee shall monitor SO<sub>2</sub> emissions in accordance with 40 CFR Part 72 and 75. [40 CFR Parts 72 and 75]
5. The permittee shall submit quarterly electronic data reports to EPA for the emissions from each applicable exhaust 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]

### SECTION III. EMISSION UNIT REQUIREMENTS

#### A. EMISSION UNITS

Facility Emission Units (EU) are listed in Appendix A, including all terms and conditions of such permits, and comprise the emission unit portion of this Title V Operating Permit.

#### 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 emission units, unless specifically exempted by the same Rule or Regulations.

Regulation	Rule Citation	Title
SDCAPCD Reg. II	19.2	Continuous Emission Monitoring Requirements
SDCAPCD Reg. II	NSR	New Source Review
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	54	Dust and Fumes
SDCAPCD Reg. IV	62	Sulfur Content of Fuels

#### C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with the applicable requirements specified in the District Rules and Regulations for any Insignificant Units located at this facility that are listed at District Regulation XIV, Appendix-A (no insignificant units were listed in the permittee's application).

### SECTION IV. DISTRICT-ONLY PROVISIONS

#### 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: EMISSION UNITS – SPECIFIC CONDITIONS**

<b>EU Reference</b>	<b>Source</b>
APCD2008-PTO-976039	Gas Turbine



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Chula Vista Energy Center LLC  
 Stephen Cobbe  
 650 Bercut Dr #C  
 Sacramento CA, 95811

**EQUIPMENT ADDRESS**  
 Chula Vista Energy Center LLC  
 Stephen Cobbe  
 3497 Main St  
 Chula Vista CA 91911

## PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above 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 as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

**EQUIPMENT OWNER**

**EQUIPMENT DESCRIPTION**

Gas Turbine (twin pack): Pratt & Whitney, Model FT4/GG4, 44 MW, 688 MMBtu/hr heat input, natural gas fired, simple cycle; with dry low-NOx 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.

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 10, 20, 40, 50, 51.

- Fee Schedules: 1 [92F] NOx and CO Source Test  
 1 [20F] Non- Aircraft Turbine Engine  
 1 [92J] CEMS Evaluation (T&M)  
 1 [92I] Ammonia Source Test

BEC: APCD2011-CON-000276

**FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES**

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


1. Only gas turbines identical to the one described above with either Serial No. 675318, 675221, 675352, 675401, 675454 or 675269 may be used at this facility. No more than two of these turbines shall be installed at this facility at any one time. [Rules 10 and 21]
2. Whenever one turbine of the twin pack is replaced with an allowable unit, the owner or operator of this equipment shall record the date of the replacement and the hours of operation of each unit at the time of the replacement. [NSR; Rule 21]
3. The permittee shall comply with the applicable requirements in 40 CFR Parts 60, 72, 73, and 75. [Rule 1421]





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4. 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 this 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]
5. 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]
6. The permittee shall comply with all the applicable provisions of 40 CFR 73, including requirements to offset, hold and retire SO<sub>2</sub> allowances. [40 CFR Part 73]
7. 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(b)(1)(iii)]
8. Except during startups and shutdowns, the air pollution control system, including the automatic ammonia injection system serving the SCR, shall be in operation in accordance with manufacturer's specifications at all times when the unit is in operation. All manufacturer's specifications shall be maintained on-site and made available to District personnel upon request. [NSR]
9. 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(B)(1) and 98(E). [Rule 98]
10. 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, including a modification to convert this simple cycle unit to a combined cycle unit. Applicable New Source Review requirements for the proposed equipment modification shall be re-evaluated at that time. [Rule 10]
11. For the purposes of this Permit to Operate, startup conditions shall be defined as the time when fuel flow begins until the time that the unit complies with the emission limits specified in this Permit to Operate but in no case exceeding 60 minutes per occurrence. Shutdown conditions shall be defined as the time preceding the moment at which fuel flow ceases and during which the unit does not comply with the emission limits specified in this Permit to Operate but in no case exceeding 30 minutes per occurrence. The Data Acquisition System (DAS), as required by 40 CFR 75, shall record these events. [Rule 69.3.1]
12. Total combined oxides of nitrogen (NO<sub>x</sub>) emissions from all turbines, and any other emission units at this stationary source, shall not exceed the major source threshold of 50 tons per calendar year. The daily NO<sub>x</sub> mass emissions from each turbine shall be recorded daily. The aggregate NO<sub>x</sub> mass emissions from all turbines for each calendar month and for each rolling 12-month period shall be calculated and recorded by the 15th 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]
13. The emissions of oxides of nitrogen (NO<sub>x</sub>) 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 averaged over each clock hour and shall not exceed 5 PPMVD corrected to 15% oxygen averaged over each rolling 3-hour period. Compliance with these limits shall be demonstrated continuously based on CEMS data and based upon source testing calculated as the average of three subtests. These limits shall not apply during startup and shutdown conditions. [Rule 69.3.1, NSR]
14. Total combined carbon monoxide (CO) emissions from all turbines and any other emission units at this stationary source shall not exceed the Prevention of Significant Deterioration (PSD) threshold of 250 tons per calendar 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 15th 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]



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15. Emissions of carbon monoxide (CO) from the unit exhaust stack shall not exceed 70 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen averaged over each rolling three-hour period. Compliance with this limit shall be demonstrated continuously based on CEMS data and based upon source testing calculated as the average of three subtests. This limit shall not apply during startup and shutdown conditions. [NSR]
16. 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 conditions.  
[NSR]
18. 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;
  - total cumulative hours of operation during each calendar year.[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. The unit 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 temperature (degrees Fahrenheit);
  - D. Ammonia injection rate (lbs/hr);
  - E. Power output (MW).

These parameters shall be continuously monitored. These monitors shall be calibrated and maintained in accordance with the manufacturer's recommended procedures and a protocol approved by the District. Calibration records for the continuous monitors shall be maintained on site and made available to the District upon request. [Rule 69.3.1]
21. The oxides of nitrogen (NOx) and oxygen (O2) 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;
  - the CEMs protocol approved by the District.The carbon monoxide (CO) CEMS shall be certified and maintained in accordance with 40 CFR 60. [40 CFR Part 75, 40 CFR 60, Rule 69.3.1]
22. The CEMS shall be maintained and operated, and reports submitted, in accordance with the requirements of Rule 19.2 Sections (D), (E), (F)(2), (F)(3), (F)(4) and (F)(5) and CEMs Protocol approved by the District.  
[Rule 19.2]
23. 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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25. 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 (NO<sub>x</sub>) 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 (NO<sub>x</sub>) for each continuous rolling 3-hour period, in parts per million (ppm);
  - E. Daily mass emissions of oxides of nitrogen (NO<sub>x</sub>), in pounds;
  - F. Monthly mass emissions of oxides of nitrogen (NO<sub>x</sub>), in pounds;
  - G. Annual mass emissions of oxides of nitrogen (NO<sub>x</sub>), in tons;
  - H. Daily mass emission of carbon monoxide (CO), in pounds;
  - I. Monthly mass emission of carbon monoxide (CO), in pounds; and
  - J. 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]
26. When the CEMS is not recording data and the unit is operating, hourly NO<sub>x</sub> emissions shall be determined in accordance with 40 CFR 75 Appendix C. Additionally, hourly CO emissions shall be determined using the hourly emission rates 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 hourly emission rates to be used shall be CO emission factors to be determined from compliance source test emissions and fuel consumption data, in terms of pounds per hour of CO for the gas turbine. Emission calculations used to determine alternate hourly emission rates shall be reviewed and approved by the District, in writing, before the alternative hourly emission rates are incorporated with the CEMS emission data. [NSR]
28. 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 (Performance Specifications). At least 21 days prior to the test date, the permittee shall submit 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. [40 CFR Part 75]
29. This unit shall be source tested to demonstrate compliance with the NO<sub>x</sub>, CO, VOC, and ammonia emission standards of this permit, using District approved methods. The source test and the NO<sub>x</sub> 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, Rule 1200]
30. The Source Test Protocol shall comply with the following requirements:
- A. Measurements of oxides of nitrogen (NO<sub>x</sub>), 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]
31. 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]
32. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

17. 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 substests. This limit shall not apply during startup and shutdown periods. [Rule 1200]
24. The ammonia injection flow rate shall be continuously monitored, recorded and controlled. The flowrate device shall be calibrated to an accuracy of at least +/-5% on an annual basis. Records of ammonia injection rate (pounds per hour) and flow rate device calibration shall be maintained and made available to District personnel upon request. [Rule 1200]
27. Any violation of any emission standard as indicated by the CEMS shall be reported to the District's Compliance Division within 96 hours after such occurrence. [CA Health and Safety Code]
33. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
34. 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.]

## APPENDIX B: RULE REFERENCE TABLE

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	11/04/09	09/17/10
4	Review of Rules	F	01/01/70 <sup>†</sup>	09/22/72
5	Authority to Arrest	F	03/24/76 <sup>†</sup>	05/11/77
	<b>REGULATION II - PERMITS</b>			
10	Permits Required	F	07/25/95	03/11/98
10.1 <sup>††</sup>	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	D/F	09/20/78	07/06/82
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	04/06/93	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 <sup>††</sup>	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	01/12/79	09/28/81
19.3	Emission Information	F	5/15/96	03/09/00
20	Standards for Granting Permits	D/F	04/25/89	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	12/17/98	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	12/17/98	Pending
20.3	Standards for Authority to Construct - Air Quality Analysis	F	07/05/09	04/14/81
20.3	NSR - Major Stationary Source and PSD Stationary Source	D/F	12/17/98	Pending
20.4	Standards for Authority to Construct - Major Stationary Sources	F	07/05/09	04/14/81
20.4	NSR - Portable Emission Units	D/F	12/17/98	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	12/14/87	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	D/F	01/01/69 <sup>†</sup>	N/A

23	Further Information	D/F	01/01/69†	N/A
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	01/01/12	N/A
42	Hearing Board Fees	D	07/01/00	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	Particulate 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	N/A
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	04/04/12	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	Pending
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 <sup>†</sup>	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 <sup>††</sup>	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	08/21/81	07/06/82
66	Organic Solvents	F	07/25/95	Repealed
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	08/09/12
67.0	Architectural Coatings	F	12/12/01	Withdrawn
67.0.1	Architectural Coatings	D/F	06/24/15	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	04/09/03	11/14/03
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	11/09/11	09/20/12
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	F	06/27/12	04/11/13
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	05/09/12	09/20/12
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	05/26/00
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A

67.21	Adhesive Material Application Operations	D	11/14/08	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	03/25/09	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	02/24/10	N/A
69.4	Stationary Internal Combustion Engines	F	07/30/03	01/04/06
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	01/01/99	N/A
69.5.1	Natural Gas-Fired Water Heaters	D	06/24/15	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	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 Dioxins 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

1.

<b>REGULATION XIV - TITLE V OPERATING PERMITS</b>				
1401	General Provisions	F	02/27/04	02/27/04
1410	Permit Required	F	02/27/04	02/27/04
1411	Exemption from Permit to Operate for Insignificant Units	F	03/07/95	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	02/27/04	02/27/04
1417	Pendency & Cancellation of Applications	F	03/07/95	11/30/01
1418	Action on Applications	F	02/27/04	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	02/27/04	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	02/27/04	02/27/04
	APPENDIX A - Insignificant Units	F	02/27/04	11/30/01
	<b>REGULATION XV - FEDERAL CONFORMITY</b>			
1501	Conformity of General Federal Actions	F	06/22/99	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</b>	<b>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</b>	<b>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/Standards	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07
BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	F	01/24/11
CCCCCC	Gasoline Dispensing Facilities	F	01/24/11
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	F	01/09/08
JJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
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
XXXXXX	Metal Fabrication and Finishing Area Sources	F	7/23/08
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources	F	12/02/09
CCCCCCC	Paint and Allied Products Manufacture Area Sources	F	12/03/09

2.

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
Part 60	<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

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.

## APPENDIX C: ABBREVIATIONS THAT MAY APPEAR IN THIS PERMIT

APCO	Air Pollution Control Officer
ASTM	American Society for Testing and Methods
BACT	Best Available Control Technology
CAA	federal Clean Air Act
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
HAP	Hazardous Air Pollutant
I&M	Inspection and Maintenance
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
[NSR]	New Source Review based condition
NO <sub>x</sub>	Oxides of nitrogen
O <sub>2</sub>	Oxygen
OES	Office of Environmental Services
O&M	Operation and maintenance
Pb	Lead
PM	Total Particulate Matter
PM <sub>10</sub>	Particulate matter with aerodynamic equivalent diameter of ≤ 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



**TITLE V OPERATING PERMIT  
STATEMENT OF BASIS**

Facility Name: Chula Vista Energy Center LLC  
Title V Permit No.: APCD2007-TVP-978119  
Permit Application Nos.: APCD2015-APP-004073 (Title V renewal)  
Site ID: APCD2000-SITE-03752  
Equipment Address: 3497 Main Street  
Chula Vista, CA 91911  
Facility Contact: Harold E. Dittmer  
Title: Responsible Official  
Contact Phone: (916) 447-5171  
Permit Engineer: Michael Beto  
Date Completed: 5/26/2016

1.0 Purpose/Introduction

This statement of basis describes a renewal Title V permit covering a stationary twin pack natural gas-fired combustion turbine permitted under District permit APCD2008-PTO-976039. The basis for submittal under Title V is that the facility is subject to the acid rain program under Title IV of the Federal Clean Air Act (CAA) which requires Title V permitting pursuant to 40 CFR § 70.3.

2.0 Background

Since the last Title V renewal, there have been no other changes to the Title V permit. Potential emissions in relation to the permit have not changed. There have been no emission changes since the original issuance of the permit.

3.0 Facility Description

The facility comprises of a stationary twin pack natural gas fired turbine generator. The twin pack turbine generator is a Pratt & Whitney, Model FT4/GG, rated at a generation capacity of 44 MW with a heat input of 688 MMBtu/hr. The unit is equipped with dry-low NOx combustors, selective catalytic reduction (SCR) system including an automatic ammonia injection control system, continuous emissions monitoring system (CEMS) and a data acquisition and handling system (DAHS). The emission unit is summarized in the following table.

Permit Number	Source Category
APCD2008-PTO-976039	Turbine (1) – Electric Generation

#### 4.0 Title IV (Acid Rain) and Title V Permitting

The facility is subject to the acid rain provisions under District Rule 1412 and Title IV of the federal CAA, as given at 40 Code of Federal Regulation (CFR) § 72.6(a). Under the acid rain program, an *affected source* (a term specifically defined in Title IV of the CAA, and which applies to this facility) is subject to Title V permitting pursuant to District Rule 1401 and 40 CFR § 70.3(a)(4).

#### 5.0 Applicable Requirements

##### 5.1 Summary by Pollutant

Pollutant	Turbine
	Primary Limiting Regulation(s)
NOx	Rule 20.3 (NSR); Rule 69.3.1; 40 CFR 60 Subpart GG
SO2	Rule 20.3; Rule 62; Rule 53; 40 CFR 60 Subpart GG
VOC	Rule 20.3;
CO	Rule 20.3; (AQIA only)
PM10	Rule 20.3; Rule 53
Toxic Pollutants	Rule 1200

##### 5.2 Discussion

The above table summarizes those rules on which the permit conditions are based. The permittee must comply with the most stringent requirement, as cited in the permit, which also serves as the compliance measure for the less stringent requirements.

##### District Rule 20.2

Rule 20.2 provides for new source review (NSR) with the introduction of any new or modified unit. This rule was considered at the time of the original A/C twin pack turbine. Rule 20.2 is also the basis for the aforementioned new provisions for tuning, testing and maintenance.

##### 40 CFR 60 Subpart KKKK

40 CFR 60 Subpart KKKK - *Standards of Performance for Stationary Combustion Turbines* (adopted by reference in District Regulation X) applies to stationary combustion turbines with a heat input at peak load 10 MMBtu/hr. (HHV of the fuel), which commenced construction, modification, or reconstruction after February 18, 2005. Applicability to this rule carries an explicit exemption from 40 CFR 60 Subpart GG.

The twin pack turbine was installed prior to 2005 and has not had modifications since; therefore the turbine is not subject to 40 CFR 60 Subpart KKKK.

#### 40 CFR 60 Subpart GG

The stationary twin pack natural gas-fired combustion turbine was determined to be subject to this new source performance standard *Standards of Performance for Stationary Gas Turbines* (adopted by reference in District Regulation X), which applies to stationary gas turbines that were constructed, modified or reconstructed after October 3, 1977. Both turbines are subject to this subpart and have permit conditions to include the applicable requirements.

#### 6.0 Monitoring, Recordkeeping and Reporting

Pursuant to New Source Review (NSR) the turbines are required to operate and maintain the CEMS to measure NO<sub>x</sub> and CO which are also required by District Rules 69.3, 69.3.1, and 40 CFR 60 Subpart GG.

Monitoring and testing are required in the existing District permits. For the related Title V permit, additional recordkeeping and reporting are required pursuant to District Rule 1421.

Compliance Assurance Monitoring (CAM) under 40 CFR Part 64 was considered for this review. None of the emission units fulfill the criteria for applicability under Part 64. Additionally, the turbines are equipped with continuous emissions monitoring systems (CEMS), which also excludes them from being subject to CAM under § 64.2 (b)(vi).

#### 7.0 Permit Shield

In accordance with District Rule 1410(p) and 40 CFR Part 70.6(f), a permit can include a provision precluding the permittee from enforcement action for certain requirements that either do not apply or that are superseded by another requirement to which the permittee is subject, as stated in the permit. A permit shield, if granted, is limited as given by the aforementioned regulations.

The applicant has requested to maintain the existing permit shields, which are provided at Section II. C. of the permit. The requirements listed in the permit shield, were evaluated against the provisions of the aforementioned regulations. Each listed requirement in the permit shield was determined to be acceptable because it is superseded in stringency by another requirement given in the permit.

#### 8.0 Outside Review

In accordance with District Rule 1415, the District is submitting the proposed draft permit for public notice and review by EPA Region 9 and affected states.

## 9.0 Conclusions / Recommendations

The source is expected to comply with all applicable requirements including those cited in the current District permit as well as those under District Rule 1401 and Title V. Therefore, the recommendation of this report is for the subject initial Title V permit to be issued following public notice and EPA review.

**APPENDIX C**  
**SDAPCD FEE ESTIMATE**