Cabrillo Power I LLC
4600 Carlsbad Blvd.
Carlsbad, CA 92008
(760) 268-4000

May 16, 2018

Doug Erwin
San Diego Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131

Subject: Title V Renewal Application for Cabrillo Power I LLC (Encina Power Station)
4600 Carlsbad Blvd, Carlsbad, CA 92008
SDAPCD Facility ID No: APCD1982-SITE-00195

Mr. Erwin,

Cabrillo Power I LLC (Cabrillo) submits the enclosed San Diego Air Pollution Control District (SDAPCD) Title V permit (APCD2003-PTO-974488) renewal application package for the Encina Power Station (EPS) in Carlsbad, CA. The permit application package was prepared on behalf of Cabrillo by Yorke Engineering, LLC. The current EPS Title V allows for the operation of several emission sources and expires on November 19, 2018. EPS is expected to retire in the fourth quarter of 2018, and this permit renewal application assures compliant operation of these emission sources through its retirement. Specifically, the four steam turbine units (Units 2-5) and the gas turbine will retire, and the emergency engine generator (PTO NO. 920894) and emergency standby flood pump engine (PTO NO. 960330) will continue to support EPS as needed until EPS is demolished (by 2021). Steam turbine Unit 1 retired in March 1, 2017; the corresponding application for the retirement of Unit 1 was filed May 1, 2017.

EPS steam turbine Units 1-5 and the gas turbine will be replaced functionally by the Carlsbad Energy Center Project (CECP), which consistes of General Electric LMS100PA gas turbines equipped with water injection for NOx control, inlet air filters, inlet air evaporative coolers, and compressor intercoolers. The CECP is a major source for the purposes of Title V and currently operates under permit number APCD2005-TIV-974488, which was issued its Authority to Construct on April 17, 2015 following the approval of the Amended CECP license by the California Energy Commission on August 3, 2015. District rule 1414(c) requires that the initial application for new and modified sources be submitted not later than 12 months after the source has commenced operation; we began commissioning of the first LMS100PA's in May 2018. We intend to submit the CECP Title V application during 3rd quarter of 2018.

A summary of the requested permit actions is provided below.

SUMMARY OF PERMIT ACTIONS

Title V Permit Renewal: Encina Power Station is filing this application for renewal of the facility's Title V permit.

Internal Use Only		
APP ID: APCD20 18	-APP-	005404
SITE ID: APCD20 1982	-SITE-	00195

GENERAL PERMIT OR REGISTRATION APPLICATION FORM

APCD
AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

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

REASON FOR SUBMITTAL OF APPLICATION:

- ☐ New Installation
- ☐ Existing Unpermitted Equipment or Rule 11 Change
- ☐ Modification of Existing Permitted Equipment
- ☐ Amendment to Existing Authority to Construct or Application
- ☐ Change of Equipment Location
- ☐ Change of Equipment Ownership *(please provide proof of ownership)*
- ☐ Change of Permit Conditions
- ☐ Change Permit to Operate Status to Inactive
- ☐ Banking Emissions
- ☐ Registration of Portable Equipment
- ☒ Other (Specify) Renewal Title V

List affected APP/PTO Record ID(s): TVP-974488

APPLICANT INFORMATION

Name of Business (DBA): Cabrillo Power I 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:

Name of Legal Owner (if different from DBA):

Equipment Owner		Authority to Construct Mailing Address	
Name: Cabrillo Power I LLC		Name:	
Mailing Address: 4600 Carlsbad Boulevard		Mailing Address:	
City: Carlsbad	State: CA	City:	State:
Zip: 92008	Phone: (760) 710 2129	Zip:	Phone: ( )
E-Mail Address: Tim.Sisk@nrg.com		E-Mail Address:	

Permit To Operate Mailing Address		Invoice Mailing Address	
Name: Cabrillo Power I LLC		Name: Cabrillo Power I LLC	
Mailing Address: 4600 Carlsbad Boulevard		Mailing Address: 4600 Carlsbad Boulevard	
City: Carlsbad	State: CA	City: Carlsbad	State: CA
Zip: 92008	Phone: (760) 710 2129	Zip: 92008	Phone: (760) 710 2129
E-Mail Address: Tim.Sisk@nrg.com		E-Mail Address: Tim.Sisk@nrg.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: 4600 Carlsbad Boulevard City: Carlsbad State: CA

Parcel No.: Zip: 92008 Phone: (760) 710 2129 E-mail: Tim.Sisk@nrg.com

Site Contact: Tim Sisk Phone: (760) 710 2129

General Description of Equipment/Process: Title V Facility - Electric Generating Facility

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.

I hereby certify that all information provided on this application is true and correct.

SIGNATURE: Date: 5/17/2018

Print Name: Timothy Sisk Phone: (760) 710 2129

Company: NRG Energy Inc. E-mail Address: Tim.Sisk@nrg.com

Internal Use Only

Date: 5/17/2018	Staff Initials: cm	Amt Rec'd: $ 12249	Fee Schedule: Title V Renewal = 12145
RNP: 0	EMF:	NBF: 104	TA: 12145

GEN_APP_Form_Rev Date: Feb. 2015

GENERAL PERMIT OR REGISTRATION APPLICATION INSTRUCTIONS

APCD
AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

GENERAL

The owner or designated agent must complete and sign this form and file it with one copy of all attachments, required supplementary forms, drawings and the appropriate fee.

The appropriate fee (payable to "County of San Diego APCD") must be submitted with this Permit/Registration Application. Application processing will not begin until the full required fee has been received. Excess fees will be refunded upon completion of the application process. If you do not know the appropriate fee or need to discuss the information required, please contact the District at (858) 586-2600 and ask for assistance in determining an application fee.

REASON FOR SUBMITTAL OF APPLICATION

- New Installation - check if you are installing equipment that does not currently have a District Permit to Operate (PTO)
- Existing Unpermitted Equipment or Rule 11 Change - check if applying for installed existing equipment that is currently unpermitted or equipment that is now subject to District Rules due to Rule 11 changes
- Modification of Existing Permitted Equipment - check if you are making a change to equipment with a current District Permit to Operate. (List affected PTO Record ID(s) – Note: PTO Record ID Format: APCD2015-PTO-123456)
- Amendment to Existing Authority to Construct or Permit/Registration Application - check this line if you are amending a previously submitted application form or if amending a current Authority to Construct. (List affected Application Record ID(s) Application Record ID Format: APCD2015-APP-123456)
- Change of Equipment Location - check if you are moving non-portable equipment with a current District Permit to Operate. (List affected PTO Record IDs)
- Change of Equipment Ownership - check if you are now the owner of equipment with a current District Permit to Operate under a different owner. Provide proof of ownership with application. (List affected PTO Record ID(s))
- Change of Permit Conditions - check if equipment with a current Permit to Operate requires changes to the existing operating conditions. (List affected PTO Record ID(s) on line 12)
- Change Permit to Operate Status to Inactive - check if you wish to maintain your current Permit to Operate but are not going to operate the equipment. (List affected PO #(s))
- Banking Emissions - check if you are retiring equipment with a current District Permit to Operate and wish to bank the emissions for future credits. (List affected PTO Record ID(s) on)
- Registration of Portable Equipment - check this line if you are applying for registration of portable equipment
- Other - check for any action not covered
- List affected Application/PTO Record ID(s) - if the application being submitted is for an existing operation please listed the affected permits

APPLICANT INFORMATION

Please enter the requested addresses, including the mailing address to be used to send the Authority to Construct, Permit to Operate, and invoices

EQUIPMENT/PROCESS INFORMATION

Check Stationary (e.g. gasoline service site, dry cleaning facility, etc.) or Portable (abrasive blast pot, roofing kettle, etc.) depending upon the type of equipment for which you are filing an application. Also check Yes if the equipment is portable and will operate more than 180 consecutive days at a single site. Otherwise, check No.
Please enter the location where the equipment is or will operate if this application is for a stationary source. If the application is for a portable operation please enter the address that will be used to store the portable unit

INDEMNIFICATION

In accordance with District Rule 40(d)(8)(vi), the applicant, to the extent the applicant is at fault in causing liability to the District, shall indemnify the District (including its agents, officers and employees) from any claim, action, liability, or proceeding to attack, set aside, void or annul the applicant's project or any of the proceedings, acts or determinations taken, done or made as a result of the District's processing and/or approval of the project. The applicant's obligation to indemnify shall include, but not be limited to, payment of all court costs and attorneys' fees, costs of any judgments or awards against the District, damages, and/or settlement costs, which arise out of the District's processing and/or approval of the applicant's project, except that an applicant shall only be responsible for indemnifying the District according to the proportion of fault caused by the applicant, as determined by a court. By signing and submitting this application, an applicant agrees to such indemnification.

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)

Company Name	District Use Only
Cabrillo Power I LLC	NEDS # _____
	SITE ID # _____

I. FACILITY IDENTIFICATION

1. Facility Name (if different than company name): Encina Power Station
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): NRG Energy Inc.
4. Mailing Address: 5790 Fleet Street, Suite 200
   City Carlsbad State CA Zip 92008
5. Street Address or Source Location: 4600 Carlsbad Blvd.
   City Carlsbad State CA Zip 92008
6. UTM Coordinates: 11 S 468577.43 m E 3666447.20 m N
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: Cabrillo Power I LLC
11. Owner's Agent name (if any): _____
12. Responsible Official: Jerry Carter
13. Plant Site Manager/Contact: Jerry Carter Phone #: (760) 268-4000 FAX #: (760) 268-4026
14. Application Contact: Greg Wolffe, Yorke Engineering, LLC (949) 248-8490
15. Type of Facility: Power Plant
16. General description of processes/products: Electrical power generation and transmission
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)
☐ **Initial Title V Application**	N/A	N/A
☑ **Permit Renewal**	974488	11/19/2018
☐ **Significant Permit Modification**		
☐ **Minor Permit Modification**		
☐ **Administrative Amendment**		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: ☐ Temporary Source ☐ Voluntary Emissions Caps
   ☒ Acid Rain Source ☐ Alternative Operating Scenarios ☐ Abatement Devices
   ☐ CEMs ☐ Permit Shield
   ☐ Outdated SIP Requirement Streamlining ☐ Multiple Applicable Requirement Streamlining
   ☐ Source Subject to MACT Requirements [Section 112]
   ☐ Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
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:
   _____

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
Cabrillo Power I 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	☑
PM_{10}	100	☑
SO_2	100	☑
NOx	100	☑
CO	100	☑
ODC	100	☐
LEAD COMPOUNDS	10	☐
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	☐
		☐
		☐
COMBINATION HAP	25	☐
		☐
		☐
		☐

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 SDAPCD Emissions Inventory

Inventory Year _____

Signature of Responsible Official

5/15/2018
Date

Jerry Carter
Print Name of Responsible Official

( )
Telephone No. of Responsible Official

Plant Manager
Title of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

☐ Yes ■ No

DISTRICT USE ONLY

Date Application Received: _____ **Application #** _____

Application Filing Fee: _____ **District Received Stamp:** _____

Receipt #: _____ **Fee Code:** _____

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)

Company Name	District Use Only
Cabrillo Power I LLC	NEDS # _____
Facility Address: 4600 Carlsbad Blvd, Carlsbad, CA	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
Boilers 2-4 (Boiler 2)	792	O
Boilers 2-4 (Boiler 3)	793	O
Boilers 2-4 (Boiler 4)	1770	O
Boiler 5 (Boiler 5)	5238	O
Gas Turbine (Gas Turbine)	1267	O
Emergency Engines (Emergency Standby Engine)	960330	O
Emergency Engines (Emergency Engine Generator)	920894	O
Other Engines (Diesel Engine)	970274	O
Coating-Metal Parts (Metal Parts Coating Booth)	20446	O
Coating-Marine (Marine Coating Operation)	961265	O
Boiler 1 (Boiler 1)	791	N
Other Engines (Portable Engines)	972663	N
Other Engines (Dredge/4 Diesel Engines)	920895	N
Abrasive Blasting (Abrasive Blast Machine)	1168	N
Abrasive Blasting (Abrasive Blast Booth)	6593	N
Abrasive Blasting (Abrasive Blast Machine)	930938	N

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
Cabrillo Power I LLC	NEDS #_____
Facility Address: 4600 Carlsbad Ave, Carlsbad, CA	SITE ID #_____

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

Applicable	Not Applicable	
☑	☐	*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.*
☐	☑	*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.*
☐	☑	*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.*
☑	☐	*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.*
☑	☐	*All fees required by Regulation III, Rule 40 have been paid.*

Jerry Carter
Signature of Responsible Official

5/15/2018
Date

Jerry Carter
Print Name of Responsible Official

( )
Telepone No. of Responsible Official

Plant Manager
Title of Responsible Official

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)

Company Name	District Use Only
Cabrillo Power I LLC	NEDS # _____
Facility Address: 4600 Carlsbad Blvd, Carlsbad, CA	SITE ID # _____

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)

	(Condensed Language of Rule)	Appendix A Citation
[x]	Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
[ ]	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)
[ ]	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)
[ ]	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)
[x]	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)
[ ]	Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
[ ]	Crucible-type or pot-type furnaces with a brimful capacity of < 450 in^3 of any molten metal	(d)(12)
[ ]	Crucible, pot or induction furnaces with a capacity of ≤ 2500 in^3, 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)
[ ]	Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
[ ]	Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
[ ]	Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
[ ]	Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft^3	(d)(34)
[x]	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)
[ ]	Ovens having an internal volume of ≤ 27 ft^3 in which organic solvents or materials containing organic solvents are charged	(d)(59)
[ ]	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft^2	(d)(61)(i)
[ ]	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

Continued - Exemptions based on Size (Capacity)

	(Condensed Language of Rule)	Appendix A Citation
[x]	Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
[ ]	Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of ≤ eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
[ ]	Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
[ ]	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 ft^2 and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
[ ]	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)

[ ]	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)
[ ]	Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
[ ]	Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
[ ]	Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr	(d)(45)
	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)(49)(iii)
[ ]	Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
[ ]	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)
[ ]	Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
[ ]	Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers < 60,000 gal/yr.	(f)(2)
[ ]	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)
[x]	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)
[ ]	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)
[ ]	Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
[ ]	Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
[ ]	Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
[ ]	Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

☐	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)

The forms listed in Table 1 are enclosed for the permit application package.

Table 1: SDAPCD Forms for Permit Application

Form	Title
1401-A1	Stationary Source Summary
1401-A2	Stationary Source Summary
1401-G	Insignificant Activity List
1401-H1	Applicable Requirements Summary Checklist
1401-H2	List of Permits by Equipment Category
1401-I	Certification Statement

SDAPCD FEES

Enclosed is a check made payable to the SDAPCD in the amount of $12,249.00 for the required permit processing fees. All fees were calculated in accordance with SDAPCD Rule 40(f)(9).

Table 2: Summary of SDAPCD Permit Processing Fees

Permit Action	Fee
Title V Permit Renewal Processing Fee Estimate	$12,145.00
Non- Refundable Base Application Fee	$104.00
Total	**$12,249.00**

If you have any questions or concerns, please contact George Piantka at (760) 710-2156, Timothy Sisk (760) 710-2129, or Ryan Goerl at (760) 268-4020.

Sincerely,
Cabrillo Power I LLC
By: Its Authorized Agent,

By: NRG Cabrillo Power Operations Inc.
Jerry Carter
Plant Manager

Enclosure:

1. Permit application package
2. Check for $12,249.00 made payable to the SDAPCD

Cabrillo Power I LLC

Encina Power Station
4600 Carlsbad Blvd,
Carlsbad, CA 92008

May 2018

Prepared by:

Yorke
ENGINEERING, LLC
www.YorkeEngr.com

Office Locations:
Los Angeles, Orange County, Riverside, Ventura,
San Diego, Fresno, Berkeley, Bakersfield

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Encina Power Station Title V Permit
Renewal Application

Encina Power Station Title V Permit Renewal Application

Prepared for:

Cabrillo Power I LLC
Encina Power Station
4600 Carlsbad Blvd, Carlsbad, CA 92008

SDAPCD Facility ID: APCD1982-SITE-00195

May 2018

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Encina Power Station Title V Permit Renewal Application

1.0 INTRODUCTION

This application is for a Title V permit renewal for the Encina Power Station, SDAPCD1982-SITE-00195. Cabrillo Power I LLC owns and operates the power plant ("Encina Power Station"), located at 4600 Carlsbad Blvd, Carlsbad, CA 92008. The facility is subject to the United States Environmental Protection Agency's (EPA) Title V Federal Operating Permits Program, as administered by the County of San Diego Air Pollution Control District (SDAPCD), and holds a current facility operating permit issued under this program.

1.1 Facility Overview

The Encina Power Station is an electric power generation facility, operating under the following industrial classification:

- Standard Industrial Classification (SIC) Code 4911, Electric Services (electric power generation by fossil fuels).

A summary of the equipment operated at the facility is presented in Table 1-1. Equipment which has been retired as of the last Title V permit renewal is shown in ~~strikethrough~~. Letters documenting the equipment retirement are included in Appendix A.

Table 1-1: Summary of Facility Equipment

Permit Number	Equipment Description
~~APCD2003-PTO-000791~~	~~BOILER #1: 1013 MMBTU/HR, VENTED TO SELECTIVE CATALYTIC REDUCTION (SCR)~~
APCD2003-PTO-000792	BOILER #2: 1013 MMBTU/HR, VENTED TO SCR
APCD2003-PTO-000793	BOILER #3: 1128 MMBTU/HR, VENTED TO SCR
APCD2003-PTO-001770	BOILER #4: 3245 MMBTU/HR, VENTED TO SCR
APCD2003-PTO-005238	BOILER #5: 3475 MMBTU/HR, VENTED TO SCR
APCD2003-PTO-001267	GAS TURBINE/GENERATOR HEAT INPUT: 317MM BTU/HR
APCD2003-PTO-020446	METAL PARTS COATING APPLICATION STATION
APCD2003-PTO-920894	EMERGENCY ENGINE GENERATOR: 156 BHP, DIESEL FUELED
APCD2006-PTO-960330	EMERGENCY STANDBY ENGINE: 225 BHP, DIESEL FUELED FOR ENCINA UNITS 4 & 5 SUB BASEMENTS
APCD2003-PTO-961265	MARINE COATING OPERATION: OUTDOOR, HVLP AND AIRLESS SPRAY GUN, BRUSH AND ROLLER 67.18 COMPLIANT COATINGS
APCD2008-PTO-970274	GAS TURBINE STARTER ENGINE DIESEL, 265 BHP
~~APCD2003-PTO-006593~~	~~ABRASIVE BLAST BOOTH (31' X 12' X 13'H); WITH BAGHOUSE~~
~~APCD2003-PTO-930938~~	~~ABRASIVE BLAST PRESSURE POT~~

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Permit Number	Equipment Description
~~APCD2003-PTO-001168~~	~~ABRASIVE BLAST PRESSURE POT~~
~~APCD2003-PTO-920895~~	~~ELECTRICAL GENERATOR ON "THE ENCINA" DREDGE 249 BHP~~
~~APCD2003-PTO-972663~~	~~WINCH ENGINE ON "THE ENCINA" DREDGE 99 HP, EPA CERTIFIED~~

1.2 Facility Contact Information

Facility contact information is included in Table 1-2 below.

Table 1-2: Facility Information

Applicant's Name:	Cabrillo Power I LLC
Facility ID:	APCD1982-SITE-00195
Contact Person:	Ryan Goerl
Title:	Environmental Specialist/Engineer
Telephone Number:	(760) 268-4020
Mailing Address:	4600 Carlsbad Blvd., Carlsbad, CA 92008
Equipment Location:	4600 Carlsbad Blvd., Carlsbad, CA 92008

1.3 Application Preparation

This permit application was prepared by Corey Luth and Greg Wolffe of Yorke Engineering, LLC. If there are technical questions regarding this application, please use the contact information provided in Table 1-3.

Table 1-3: Application Preparers

Corey Luth, CPP #E1604		**Greg Wolffe, CPP #D11338**	
Yorke Engineering, LLC		**Yorke Engineering, LLC**	
Phone:	(949) 248-8490	Phone:	(909) 861-2729
Fax:	(949) 248-8499	Fax:	(949) 248-8499
Cellular:	(949) 556-7074	Cellular:	(714) 315-9049
Email:	CLuth@YorkeEngr.com	Email:	GWolffe@YorkeEngr.com

1.4 Title V Operation Permit Renewal

This application package contains the application forms necessary for processing the Title V permit renewal. A list of the application forms included with this application is provided in Table 1-4. The application forms are included in Appendix B.

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Table 1-4: SDAPCD Forms Accompanying this Application

Form	Title	Device Description
1401-A1	Stationary Source Summary	Title V Permit Renewal Application
1401-A2	Stationary Source Summary	Title V Permit Renewal Application
1401-G	Insignificant Activity List	Title V Permit Renewal Application
1401-H1	Applicable Requirements Summary Checklist	Title V Permit Renewal Application
1401-H2	List of Permits by Equipment Category	Title V Permit Renewal Application
1401-I	Certification Statement	Title V Permit Renewal Application

1.5 Conformance to 40 CFR Part 70 Application Requirements

To be deemed complete, a Title V permit renewal application must provide all information required pursuant to 40 Code of Federal Regulation (CFR) 70.5(c). Although the application must contain the elements specified in 40 CFR 70.5(c), information in the application may be cross-referenced from the original application or the existing permit provided the citation format describes, unambiguously, the document where the information exists, the specific portion being incorporated by reference, the purpose for which it is given, and that the Responsible Official certifies that he/she has reviewed the referenced information and it is true and correct. Table C-1 in Appendix C provides a cross-reference matrix between this application document and each element of 70.5(c).

2.0 APPLICATION FEES – SDAPCD RULE 40

The fees associated with this Title V permit renewal application are determined on a time and material basis per SDAPCD Rule 40(f)(9), which requires: "The owner or operator of a stationary source subject to the requirements of Regulation XIV of these Rules and Regulations, shall pay the actual time and materials costs incurred by the District to review and act upon an application for initial permit, permit modification, administrative permit amendment, Section 502(b)(10) change, enhanced Authority to Construct and/or Title V operating permit renewal; to evaluate such source for compliance with Regulation XIV and the terms and conditions of a Title V operating permit, including but not limited to the costs incurred to document such evaluation, to prepare reports, and to take any actions necessary in cases of noncompliance; to reopen an existing Title V operating permit; and to cancel a Title V operating permit." SDAPCD was contacted to obtain a fee estimate that is shown in Table 2-1.

Table 2-1: Summary of Application Fees

Permit Action	Fee
Title V Permit Renewal Processing Fee Estimate	$12,145.00
Non- Refundable Base Application Fee	$104.00
Total	**$12,249.00**

A copy of the fee estimate obtained from SDAPCD is provided in Appendix E.

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3.0 EMISSIONS

3.1 Criteria Pollutant Emissions

A criteria pollutant emission inventory is required within the Title V permit application process only to establish the applicability of Title V to the facility. The facility is subject to the Title V permit requirements because it is a major source of CO emissions and because it is subject to the Acid Rain Program (40 CFR Parts 72-78). EPA application streamlining guidance allows for permitted units to reference regulatory agency-approved emission inventory reports and is only required when the District would need to verify emissions levels and monitoring approaches for a proposed Plantwide Allowable Limits (PALs) or other plantwide emissions limits; or to support an exemption from an emissions-based applicable requirement.

Cabrillo Power I LLC is not proposing a PAL or an exemption from an emissions-based applicable requirement with this Title V permit application, therefore annual emission reports may be referenced. The annual emission reports for prior years (up to 2014) are located on the SDAPCD website located at SDAPCD Facility Emissions[1] under Source ID: 73.

3.2 Hazardous Air Pollutants

A hazardous air pollutant emission inventory is required within the Title V permit application process to establish the applicability of Title V to the facility, and to establish the applicability of federal National Emission Standards for Hazardous Air Pollutants (NESHAP). Major source HAP emission thresholds are based on 10 tons per year for any individual HAP, and/or 25 tons per year of cumulative HAP emissions. The Encina Power Station is not a major source of any HAP; emissions inventory reports for prior years are located on the SDAPCD website along with the criteria pollutant emissions as cited above[1].

3.3 Greenhouse Gas Emissions

Under EPA rulemaking, regulated greenhouse gas (GHG) emissions are considered a single air pollutant defined as the aggregate group of the following six gases: carbon dioxide (CO_2); methane (CH_4); nitrous oxide (N_20); sulfur hexafluoride (SF_6); hydrofluorocarbons (HFCs); and perflurocarbons (PFCs). GHG emissions are estimated individually and the CO_2 equivalent (CO_2e) is aggregated based on relative global warming potential (GWP) pollutants.

GHG emissions are regulated as a Prevention of Significant Deterioration (PSD) pollutant. This renewal application does not include addition of a new major stationary source or major modification and, therefore, PSD review is not required. A GHG emission inventory is required within the Title V permit application process only to establish the applicability of Title V to the facility. The facility is a major source of GHG emissions. The facility's GHG emission inventories are on file with the California Air Resources Board (CARB) and EPA.

GHG reporting requirements for sources established under EPA's final rule for the mandatory reporting of GHGs (40 CFR Part 98: Mandatory Greenhouse Gas Reporting, referred to as the "GHG reporting rule") are currently not included in the definition of applicable requirement in 40 CFR 70.2 and 71.2. Although the requirements contained in the GHG reporting rule currently are not considered applicable requirements under the Title V regulations, the source is not relieved

[1] https://www.sdapcd.org/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Engineering_Phase_2_Toxics_Facility_Emissions.html

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from the requirement to comply with the GHG reporting rule separately from compliance with their Title V operating permit. It is the responsibility of each source to determine the applicability of the GHG reporting rule and to comply with it, as necessary. However, since the requirements of the GHG reporting rule are not considered applicable requirements under Title V, they do not need to be included in the Title V permit.

This Title V permit renewal application is not a PSD permitting action, and at this time, neither EPA nor SDAPCD have substantive requirements for GHG emissions. No additional requirements are recommended for the Title V permit renewal.

4.0 COMPLIANCE ASSURANCE MONITORING

The EPA developed 40 CFR Part 64, Compliance Assurance Monitoring (CAM), in order to provide reasonable assurance that facilities comply with emission limitations by monitoring the operation and maintenance of their control devices. The CAM rule was effective on November 21, 1997; however, most facilities were not affected by CAM requirements until renewal of their Title V permit. In general, CAM applies to emissions units that meet all of the following conditions:

- The unit is located at a major source for which a Title V permit is required;
- The unit is subject to an emission limitation or standard;
- The unit uses an active control device to achieve compliance with a federally enforceable limit or standard;
- The unit has potential pre-control or post-control emissions of at least 100% of the major source amount; and
- The unit is not otherwise exempt from CAM.

CAM does not apply to any of the following emission limitations or standards:

- Emission limitations or standards proposed by the Administrator after November 15, 1990, pursuant to Sections 111 or 112 of the Clean Air Act (CAA);
- Stratospheric ozone protection requirements under Title VI of the 1990 CAA Amendments;
- Acid Rain Program requirements pursuant to Sections 404, 405, 406, 407(a), 407(b), or 410 of the CAA;
- Emission limitations or standards or other applicable requirements that apply solely under an emissions trading program approved or promulgated by the Administrator under the CAA that allows for trading emissions within a source or between sources;
- An emissions cap that meets the requirements specified in 40 CFR Part 70.4(b)(12) or 40 CFR Part 71.6(a)(13)(iii); and
- Emission limitations or standards for which a 40 CFR Part 70 or 71 permit specifies a continuous compliance determination method, as defined in 40 CFR Part 64.1.

Operators of existing or new large emission units (post-control emissions greater than major source threshold) need to include CAM Plans as part of their initial Title V permit application or if a significant permit revision involving the emission unit is submitted. CAM Plans for other sources

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(pre-control emissions greater than major source threshold) are due with Title V permit renewal applications.

The Encina Power Station includes the operation of one gas turbine equipped with water injection for NOx emissions reduction which is subject to CAM. CAM is satisfied by keeping turbine operation within limits defined by a chart of water injection versus power output and a chart of fuel flow rates versus power output.

The boilers are equipped with continuous emission monitoring systems (CEMS) that are required by the permit and are therefore exempt from CAM per §64.2(b)(1)(vi).

5.0 REQUESTED TITLE V PERMIT CHANGES

5.1 Administrative Changes

Cabrillo Power I LLC is not requesting any Administrative Changes for the Encina Power Station at this time.

5.2 Alternative Operating Scenario

An alternative operating scenario (AOS) is a set of provisions and conditions in a permit that allow a facility to switch back and forth between alternative modes of operation without submitting an application for a permit revision before each switch. A permitted AOS allows:

> "a change for a particular emissions unit that either results in the unit being subject to one or more applicable requirements which differ from those applicable to the emissions unit prior to implementation of the change or renders inapplicable one or more requirements previously applicable to the emissions unit prior to implementation of the change"

Incorporating an AOS into a permit involves applying for a change of permit conditions. Cabrillo Power I LLC is not requesting an AOS for the Encina Power Station with this Title V permit renewal application.

5.3 Streamlined Permit Conditions

A Title V permit applicant may request to streamline permit conditions when there is overlapping regulatory requirements. Cabrillo Power I LLC is not requesting any streamlined permit conditions with this Title V permit renewal application.

5.4 Permit Shield

A permit shield is an optional part of a Title V permit that gives a facility explicit protection from requirements that do not apply. A permit shield is a provision in a permit which states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. A permit shield can also identify specific regulatory requirements that do not apply to specific equipment or processes. Cabrillo Power I LLC is not requesting a permit shield for the Encina Power Station with this Title V permit renewal application.

5.5 List of Exempt Equipment

With this application for renewal, the Cabrillo Power I LLC is fulfilling its requirement under 40 CFR 70.5(c) to provide a list of the insignificant equipment at the Encina Power Station which are exempt because of size or production rate. Form 1401-G in Appendix B lists the equipment and insignificant activities. No new exempt equipment is being proposed at this time.

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6.0 NON-COMPLIANT OPERATIONS

The facility has had operations for which breakdown notifications were filed, but did not result in excess emissions. As of the date of this application all submitted breakdowns have not resulted in non-compliance or enforcement.

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APPENDIX A – EQUIPMENT RETIREMENT LETTERS

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Encina Power Station
4600 Carlsbad Boulevard
Carlsbad, CA 92008-4301

Main: (760) 268-4000
Fax: (760) 268-4026

CABRILLO POWER I LLC

February 18, 2010

Mr. John Annicchiarico
Senior Air Pollution Control Engineer
San Diego County Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131-1649

SUBJECT: Permit-to-Operate Retirement: 941133, 941134, and 972662

Dear Mr. Annicchiarico,

Cabrillo Power I LLC Encina Power Station (Encina), a Title V facility (No 974488), submits this letter to inform the San Diego County Air Pollution Control District (APCD) of the retirement of the following APCD Permit-to-Operate (PTO) air permits:

- PTO 941133: Remote Reservoir Cleaner, Inland Technology, Model EF439, Serial No. 59520282
- PTO 941134: Remote Reservoir Cleaner, Inland Technology, Model EF439, Serial No. 59520384
- PTO 972662: Portable Engine, Ford, Model 351M, Gasoline-Fired, 190 BHP

Encina sincerely requests that the APCD make note of these PTO deactivations, so as not to include in future invoices.

Encina also requests a written response from the APCD acknowledging this letter. Upon receiving a written response letter from the APCD, Encina will remove the above mentioned equipment offsite.

If you have any questions or need more information, please call Mr. Brian Yim at (760) 268-4020.

Sincerely,
Cabrillo Power I LLC
By: Its Authorized Agent,

Jerry L. Carter
Plant Manager
NRG Cabrillo Power Operations Inc.

cc: Encina File
Stan Romelczyk, APCD Senior Air Pollution Control Engineer

APPENDIX A – EQUIPMENT RETIREMENT LETTERS

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Cabrillo Power I LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

February 15, 2016

Ms. Jayne Hurley
Supervisor, Permit Processing
San Diego County Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131-1649

SUBJECT: Permit-to-Operate Retirement: 972663, 920895

Dear Ms. Hurley,

Cabrillo Power I LLC (Cabrillo I), submits this letter to inform the San Diego County Air Pollution Control District (APCD) of the retirement of the following APCD Permit-to-Operate (PTO) air permits:

- PTO 972663: Deutz, Model BF4L913, Diesel Fired, 99 BHP, Serial No 8654104
- PTO 920895: Caterpillar, Model 3208, Diesel Fired, 249 BHP, Serial No 9WC00528

Cabrillo I sincerely requests that the APCD make note of this PTO deactivation, so as not to include in future invoices.

Cabrillo I also requests a written response from the APCD acknowledging this letter.

If you have any questions or need more information, please call Mr. Ryan Goerl at (760) 268-4020 or ryan.goerl@nrg.com.

Sincerely,
Cabrillo Power I LLC
By: Its Authorized Agent,

Jerry L. Carter
Plant Manager
NRG Cabrillo Power Operations Inc.

cc: Encina File

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

May 1, 2017

IMPORTANT NOTICE

Cabrillo Power I LLC
Ryan Goerl
4600 Carlsbad Blvd
Carlsbad CA 92008

EQUIPMENT ADDRESS: Same as above

You have advised the District that your Boiler with Permit to Operate No(s). APCD2003-PTO-000791 will not be used again. Therefore, your permit has been retired on April 26, 2017.

If you wish to reinstate your permit it must be done within 6 months of the retirement date. To reinstate the permit, contact Permit Processing at (858) 586-2600.

Please be advised that any operation of the equipment after the retirement date described in the aforementioned Permit to Operate is a misdemeanor, which may be subject to substantial fines or penalties. If the equipment is observed in use by the District appropriate legal action will be undertaken.

A new Permit to Operate may be applied for by submitting an application and the necessary fee to the Air Pollution Control District.

If you have any question regarding this matter please call Permit Processing at **(858) 586-2600.**

JAYNE HURLEY
Supervisor, Permit Processing

JH:kl

cc: Compliance
Source Test

I.D.# APCD1982-SITE-00195/Sector C

10124 Old Grove Rd. – San Diego - California 92131-1649 – (858) 586-2600
FAX (858) 586-2601 – Smoking Vehicle Hotline -- 1-800-28-SMOKE
www.sdapcd.org

APCD
AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

April 17, 2018

IMPORTANT NOTICE

Cabrillo Power I LLC
Jerry Carter
4600 Carlsbad Blvd
Carlsbad CA 92008

EQUIPMENT ADDRESS: Same as Above

You have advised the District that your abrasive blasting equipment(s) with Permit to Operate No(s). APCD2003-PTO-001168, APCD2003-PTO-006593, and APCD2003-PTO-930938 will not be used again. Therefore, your permit has been retired on March 8, 2018.

If you wish to reinstate your permit it must be done within 6 months of the retirement date. To reinstate the permit, contact Permit Processing at (858) 586-2600.

Please be advised that any operation of the equipment after the retirement date described in the aforementioned Permit to Operate is a misdemeanor, which may be subject to substantial fines or penalties. If the equipment is observed in use by the District appropriate legal action will be undertaken.

A new Permit to Operate may be applied for by submitting an application and the necessary fee to the Air Pollution Control District.

If you have any questions regarding this matter please call Permit Processing at **(858) 586-2600.**

JAYNE HURLEY
Supervisor, Permit Processing

JH:dq

cc: Compliance

I.D.# APCD1982-SITE-00195/Sector C

10124 Old Grove Rd. – San Diego - California 92131-1649 – (858) 586-2600
FAX (858) 586-2601– Smoking Vehicle Hotline – 1-800-28-SMOKE
www.sdapcd.org

Cabrillo Power I LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

April 25, 2017

Ms. Jayne Hurley
Supervisor, Permit Processing
San Diego County Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131-1649

SUBJECT: Encina Power Station Unit 1 Permit-to-Operate Retirement: 000791

Dear Ms. Hurley,

Cabrillo Power I LLC (Cabrillo I), submits this letter to inform the San Diego County Air Pollution Control District (APCD) of the retirement of the following APCD Permit-to-Operate (PTO) air permit:

- PTO 000791: Boiler #1 with Steam Turbine Generator, Model: Radiant, 1013 MMBTU/HR, S/N 13961-54.

To enable electricity interconnection of the future Amended Carlsbad Energy Center Project (ACECP) – the California Energy Commission licensed peaking plant that is currently under construction – Cabrillo I has "disconnected" Unit 1 from the onsite switchyard and has retired the Unit 1 Steam Generating Unit, effective March 1, 2017. Retirement notices were previously made to the California Public Utilities Commission (CPUC) on October 3, 2016, the California Integrated System Operator (CAISO) on February 7, 2017, and the San Diego Regional Water Quality Control Board on April 12, 2017.

Unit 1's emissions during the APCD-approved 5-year baseline (2009-2013) were used in part to offset the ACECP potential to emit; Units 2-5, which continue to operate, are also part of the ACECP offset package. Cabrillo is therefore not seeking ERCs for the shutdown of Unit 1. ACECP is expected to be online in the fourth quarter of 2018.

Cabrillo I sincerely requests that the APCD make note of this PTO deactivation, so as not to include in future invoices.

Cabrillo I also requests a written response from the APCD acknowledging this notification.

If you have any questions or need more information, please call Mr. Ryan Goerl at (760) 268-4020.

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

May 1, 2017

IMPORTANT NOTICE

Cabrillo Power I LLC
Ryan Goerl
4600 Carlsbad Blvd
Carlsbad CA 92008

EQUIPMENT ADDRESS: Same as above

You have advised the District that your Boiler with Permit to Operate No(s). APCD2003-PTO-000791 will not be used again. Therefore, your permit has been retired on April 26, 2017.

If you wish to reinstate your permit it must be done within 6 months of the retirement date. To reinstate the permit, contact Permit Processing at (858) 586-2600.

Please be advised that any operation of the equipment after the retirement date described in the aforementioned Permit to Operate is a misdemeanor, which may be subject to substantial fines or penalties. If the equipment is observed in use by the District appropriate legal action will be undertaken.

A new Permit to Operate may be applied for by submitting an application and the necessary fee to the Air Pollution Control District.

If you have any question regarding this matter please call Permit Processing at **(858) 586-2600.**

JAYNE HURLEY
Supervisor, Permit Processing

JH:kl

cc: Compliance
Source Test

I.D.# APCD1982-SITE-00195/Sector C

Cabrillo Power I LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

Sincerely,
Cabrillo Power I LLC
By: Its Authorized Agent,

Jerry L. Carter
Plant Manager
NRG Cabrillo Power Operations Inc.

cc: Encina File

APPENDIX B – SDAPCD TITLE V PERMIT APPLICATION FORMS

Form	Title	Device Description
1401-A1	Stationary Source Summary	Title V Permit Renewal Application
1401-A2	Stationary Source Summary	Title V Permit Renewal Application
1401-G	Insignificant Activity List	Title V Permit Renewal Application
1401-H1	Applicable Requirements Summary Checklist	Title V Permit Renewal Application
1401-H2	List of Permits by Equipment Category	Title V Permit Renewal Application
1401-I	Certification Statement	Title V Permit Renewal Application

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

Title V Application
Applicable Requirements Summary Checklist (Form 1401-H1)

Company Name	District Use Only
Cabrillo Power I LLC	NEDS # _____ SITE ID # _____

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
	Facility Applicable Requirement Description																	
10(a)	Permits Required – (a) Authority to Contruct			✓														
10(b)	Permits Required – (b) Permit to Operate			✓														
19	Provision of Sampling & Testing Facilities			✓														
19.2	Continuous Emission Monitoring Requirements			✓														
19.3	Emission Information			✓														
NSR	New Source Review			✓														
PSD	Prevention of Significant Deterioration			✓														
21	Permit Conditions			✓														
50	Visible Emissions			✓														
51	Nuisance			✓														
60	Circumvention			✓														
67.0	Architectural Coatings	(g)		✓														
67.17	Storage of Materials Containing VOC	(e)		✓														
71	Abrasive Blasting			✓														
98	Breakdown Conditions: Emergency Variance			✓														
101	Burning Control			✓														
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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine								Future Effective Date
	Equipment Specific Applicable Requirement Description																		
50	Visible Emissions				✓	✓	✓	✓	✓										
51	Nuisance				✓	✓													
52	Particulate Matter	Method 5			✓	✓	✓												
53	Specific Contaminants	Method 5			✓	✓	✓												
53.1	Scavenger Plants																		
54	Dust and Fumes	Method 5																	
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				✓	✓	✓	✓	✓										
64	Reduction of Animal Matter																		
66	Organic Solvents	(p)	(o)																
66.1	Misc. Surface Coating Operations & other Processes Emitting VOC (not in SIP)	(h)	(f)																
67.1	Alternative Emission Control Plans (AECP)	(c)	(d)																
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)																
67.3	Metal Parts Coating	(g)	(f)							✓									
67.4	Can & Coil Coating	(g)	(f)																
67.5	Paper, Film and Fabric Coating	(f)	(e)																

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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							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)																
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				✓	✓		✓	✓									
69.2	Boilers	(f)	(e) & (g)															
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)				✓											
69.3.1	Stationary Gas Turbine Engines – BARCT (not in SIP)	(f)	(e) & (g)				✓											
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)					✓	✓									
69.4.1	Stationary Internal Combustion Engines – BARCT (not in SIP)	(f)	(e)					✓	✓									
70	Orchard Heaters																	

71	Abrasive Blasting																	
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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							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																

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
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															
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															
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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
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																	

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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
Subpart																		
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO_2 Emissions.																	
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO_2 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																	

IIII	Stationary Compression Ignition Internal Combustion Engines NSPS																	
JJJJ	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	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
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.			✓														
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)**																	
F,G, H,I	Amendment: Reopening, Averaging Issue																	
L	Coke Ovens																	
O	Ethylene Oxide Sterilizers																	
Q	Industrial Process Cooling Towers																	
R	Gasoline Distribution Facilities																	
RULE	**RULE DESCRIPTION**	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Boilers 2-4	Boiler 5	Gas Turbine	Emergency Engine	Other Engines	Coating-Metal	Coating-Marine							Future Effective Date
Subpart																		
T	Halogenated Solvent Cleaning Degreasing																	
X	Secondary Lead Smelters																	
Y	Marine Tank Loading/Unloading																	
CC	Petroleum Refineries																	
DD	Off-Site Waste and Recovery Operations																	
EE	Magnetic Tape																	
GG	Aerospace (Coatings)																	
II	Shipbuilding for Ship Repair (Surface Coating)																	
JJ	Wood Furniture Industry (Coatings)																	
KK	Printing and Publishing																	

AAAA	Municipal Solid Waste Landfills																	
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																	
	40 CFR Part 64 - Compliance Assurance Monitoring						✓											
	40 CFR Part 68 Chemical Accident Prevention																	
	Title IV - Acid Rain (40 CFR 72 through 78)				✓	✓												
	Title VI-Ozone Depleting Compounds (40 CFR 82)																	
B	Servicing of Motor Vehicle Air Conditioners	B																
F	Servicing of Other Air Conditioners	F																

APPENDIX C – PART 70 CROSS-REFERENCE MATRIX

Table C-1: Part 70 Cross-Reference Matrix

Citation 40 CFR 70.5	Requirement	Location in Application
(c)(1)	Identifying information, including company name and address (or plant name and address if different from the company name), owner's name and agent, and telephone number and names of plant site manager/contact.	Section 1.2; Form 1401-A1, Appendix B
(c)(2)	A description of the source's processes and products (by Standard Industrial Classification (SIC) Code) including those associated with any proposed AOS identified by the source.	Section 1.1
(c)(3)	The following emission-related information:	---
(c)(3)(i)	All emissions of pollutants for which the source is major, and all emissions of regulated air pollutants. A permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit, except where such units are exempted under this paragraph (c) of this section. The permitting authority shall require additional information related to the emissions of air pollutants sufficient to verify which requirements are applicable to the source, and other information necessary to collect any permit fees owed under the fee schedule approved pursuant to §70.9(b) of this part.	Section 3.0; SDAPCD AEIR
(c)(3)(ii)	Identification and description of all points of emissions described in paragraph (c)(3)(i) of this section in sufficient detail to establish the basis for fees and applicability of requirements of the Act.	Facility Permit PTO-974488, Section V, Appendix D
(c)(3)(iii)	Emissions rate in tons per year (tpy) and in such terms as are necessary to establish compliance consistent with the applicable standard reference test method. For emissions units subject to an annual emissions cap, tpy can be reported as part of the aggregate emissions associated with the cap, except where more specific information is needed, including where necessary to determine and/or assure compliance with an applicable requirement.	Section 3.0
(c)(3)(iv)	The following information to the extent it is needed to determine or regulate emissions: Fuels, fuel use, raw materials, production rates, and operating schedules.	Facility Permit PTO-974488, Section V, Appendix D
(c)(3)(v)	Identification and description of air pollution control equipment and compliance monitoring devices or activities.	Facility Permit PTO-974488, Section V, Appendix D

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Table C-1: Part 70 Cross-Reference Matrix

Citation 40 CFR 70.5	Requirement	Location in Application
(c)(3)(vi)	Limitations on source operation affecting emissions or any work practice standards, where applicable, for all regulated pollutants at the part 70 source.	Facility Permit PTO-974488, Section V, Appendix D
(c)(3)(vii)	Other information required by any applicable requirement (including information related to stack height limitations developed pursuant to section 123 of the Act).	Facility Permit PTO-974488, Section V, Appendix D
(c)(3)(viii)	Calculations on which the information in paragraphs (c)(3)(i) through (vii) of this section is based.	Sections 3.0
(c)(4)	The following air pollution control requirements:	---
(c)(4)(i)	Citation and description of all applicable requirements, and	Form 1401-H1, Appendix B; Facility Permit PTO-974488, Section II, Appendix D
(c)(4)(ii)	Description of or reference to any applicable test method for determining compliance with each applicable requirement.	Form 1401-H1, Appendix B; Facility Permit PTO-974488, Section II, Appendix D
(c)(5)	Other specific information that may be necessary to implement and enforce other applicable requirements of the Act or of this part or to determine the applicability of such requirements.	Form 1401-H1, Appendix B; Facility Permit PTO-974488, Section II, Appendix D
(c)(6)	An explanation of any proposed exemptions from otherwise applicable requirements.	Form 1401-H1, Appendix B

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Table C-1: Part 70 Cross-Reference Matrix

Citation 40 CFR 70.5	Requirement	Location in Application
(c)(7)	Additional information as determined to be necessary by the permitting authority to define proposed AOSs identified by the source pursuant to §70.6(a)(9) of this part or to define permit terms and conditions implementing any AOS under §70.6(a)(9) or implementing §70.4(b)(12) or §70.6(a)(10) of this part. The permit application shall include documentation demonstrating that the source has obtained all authorization(s) required under the applicable requirements relevant to any proposed AOSs, or a certification that the source has submitted all relevant materials to the appropriate permitting authority for obtaining such authorization(s).	Not Applicable, Section 5.2
(c)(8)	A compliance plan for all part 70 sources that contains all the following:	Form 1401-H1, Appendix B
(c)(8)(i)	A description of the compliance status of the source with respect to all applicable requirements.	Form 1401-H1, Appendix B
(c)(8)(ii)	A description as follows:	---
(c)(8)(ii)(A)	For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements.	Form 1401-I, Appendix B
(c)(8)(ii)(B)	For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis.	Form 1401-I, Appendix B
(c)(8)(ii)(C)	For requirements for which the source is not in compliance at the time or permit issuance, a narrative description of how the source will achieve compliance with such requirements.	Not Applicable
(c)(8)(ii)(D)	For applicable requirements associated with a proposed AOS, a statement that the source will meet such requirements upon implementation of the AOS. If a proposed AOS would implicate an applicable requirement that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis.	Not Applicable, Section 5.2
(c)(8)(iii)	A compliance schedule as follows:	---
(c)(8)(iii)(A)	For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements.	Form 1401-I, Appendix B

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Table C-1: Part 70 Cross-Reference Matrix

Citation 40 CFR 70.5	Requirement	Location in Application
(c)(8)(iii)(B)	For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis. A statement that the source will meet in a timely manner applicable requirements that become effective during the permit term shall satisfy this provision, unless a more detailed schedule is expressly required by the applicable requirement.	Form 1401-I, Appendix B
(c)(8)(iii)(C)	A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. Such a schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the source will be in noncompliance at the time of permit issuance. This compliance schedule shall resemble and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.	Not Applicable
(c)(8)(iii)(D)	For applicable requirements associated with a proposed AOS, a statement that the source will meet such requirements upon implementation of the AOS. If a proposed AOS would implicate an applicable requirement that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis. A statement that the source will meet in a timely manner applicable requirements that become effective during the permit term will satisfy this provision, unless a more detailed schedule is expressly required by the applicable requirement.	Not Applicable, Section 5.2
(c)(8)(iv)	A schedule for submission of certified progress reports no less frequently than every 6 months for sources required to have a schedule of compliance to remedy a violation.	Not Applicable
(c)(8)(v)	The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for an affected source, except as specifically superseded by regulations promulgated under title IV of the Act with regard to the schedule and method(s) the source will use to achieve compliance with the acid rain emissions limitations.	Facility Permit PTO-974488, Appendix D, Appendix E
(c)(9)	Requirements for compliance certification, including the following:	---

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Table C-1: Part 70 Cross-Reference Matrix

Citation 40 CFR 70.5	Requirement	Location in Application
(c)(9)(i)	A certification of compliance with all applicable requirements by a responsible official consistent with paragraph (d) of this section and section 114(a)(3) of the Act;	Form 1401-I, Appendix B
(c)(9)(ii)	A statement of methods used for determining compliance, including a description of monitoring, recordkeeping, and reporting requirements and test methods;	Facility Permit PTO-974488, Section I, Appendix D
(c)(9)(iii)	A schedule for submission of compliance certifications during the permit term, to be submitted no less frequently than annually, or more frequently if specified by the underlying applicable requirement or by the permitting authority; and	Not Applicable
(c)(9)(iv)	A statement indicating the source's compliance status with any applicable enhanced monitoring and compliance certification requirements of the Act.	Form 1401-I, Appendix B
(c)(10)	The use of nationally-standardized forms for acid rain portions of permit applications and compliance plans, as required by regulations promulgated under title IV of the Act.	Form 1401-A1-A2, Appendix B

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APPENDIX D – COPY OF FACILITY PERMIT TO OPERATE APCD2003-PTO-974488

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San Diego County Air Pollution Control District

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

TITLE V OPERATING PERMIT
APCD2003-PTO-974488

Issued To:
Cabrillo Power I LLC
APCD1982-SITE-00195

Site Address
4600 Carlsbad Blvd.
Carlsbad, CA 92008

Mailing Address
4600 Carlsbad Blvd.
Carlsbad, CA 92008
(760) 268-4000

Responsible Official – Jerry Carter, Plant Manager
Facility Contact – Brian Yim, Environmental Specialist
Permit Information Contact - Brian Yim, Environmental Specialist

Issued by the San Diego County Air Pollution Control District on November 20, 2013
This Title V Operating Permit expires on November 19, 2018

Robert J. Kard, Air Pollution Control Officer

11-20-2013
Date

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PREAMBLE

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

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

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

SD Air Pollution Control District (Library & Public Review Area)	County of SD Law Library (Downtown)	County of SD Law Library (North County)
9150 Chesapeake Drive	1105 Front St.	325 S. Melrose Suite 300
San Diego, CA 92123-1096	San Diego, CA 92101	Vista, CA 92083
(858) 650-4700	(619) 531-3900	(760) 940-4386

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

www.sdapcd.co.san-diego.ca.us

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

SD Air Pollution Control District	USEPA Region IX
Compliance Division	Director of the Air Division Attn: Air-3
10124 Old Grove Rd.	75 Hawthorne Street
San Diego, CA 92131	San Francisco, CA 94105

SECTION I. REGULATION XIV PERMIT REQUIREMENTS

A. ADMINISTRATIVE PERMIT TERMS

1. This Title V Operating Permit expires 5 years from the 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, nor any exclusive privilege. [Rule 1421]
6. The need for the permittee to halt or reduce a permitted activity in order to maintain compliance with any term or condition of this permit shall not be a defense for any enforcement action brought as a result of a violation of any such term or condition. [Rule 1421]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421]
8. For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any applicable requirement in this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Rule 1421]

B. RENEWAL REQUIREMENTS AND TERMS

1. The permittee shall submit a complete application for renewal of this permit to the Air Pollution Control Officer 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 dates specified in Section I.B.1., the terms and conditions of this permit shall remain in effect and the source may continue operations under these terms and conditions 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 years from their date of creation. Such records shall be maintained on-site for a minimum of five years. [Rule 1421]

3. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]

4. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]

5. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421]

6. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]

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

D. GENERAL PERMIT REQUIREMENTS

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

SECTION II. FACILITY-WIDE REQUIREMENTS

A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10	Permits Required
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan

B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS

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

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

C. 40 CFR Part 68, Chemical Accident Prevention Provisions (RMP Requirements)

This facility is not subject to 40 CFR Part 68.

D. PERMIT SHIELDS

1. No permit shield applies.

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. [1421]
2. The combustion products from the boilers under Permits to Operate Nos, 791, 792, 793, 1770, and 5238 shall be exhausted through a common stack.
3. The permittee shall install, operate, and maintain equipment for the continuous monitoring of CO_2 and NOx on the common stack in accordance with 40 CFR Parts 72 and 75. [40 CFR Parts 72 and 75]
4. 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 NOx emissions from the common stack. The components of the Quality Assurance program include, but are not limited to, procedures for daily calibration testing, quarterly linearity testing, record keeping and reporting implementation, and relative accuracy testing. [40 CFR Parts 72 and 75]
5. The permit holder shall monitor SO2 emissions in accordance with 40 CFR Part 72 and 75. [40 CFR Parts 72 and 75]
6. The permit holder shall submit quarterly Electronic Data Reports (EDRs) to EPA for the emissions from the common stack in accordance with 40 CFR Part 75. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

F. ADDITIONAL TERMS AND REQUIREMENTS

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. Permittee shall provide records of the natural gas sulfur content to the District upon request. [Rule(s) 53, 62]
2. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 24-month period are available at the stationary source. [Rule 21]
3. The permittee shall file quarterly emission reports in accordance with Rule 19.2. [Rule 19.2]

SECTION III. EMISSION UNIT REQUIREMENTS

A. DISTRICT PERMITTED EMISSION UNITS

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

BY PERMIT NUMBER

Permit Numbers	Source Category
791	Utility Boiler
792	Utility Boiler
793	Utility Boiler
1168	Abrasive Blasting
1267	Gas Turbine
1770	Utility Boiler
5238	Utility Boiler
6593	Abrasive Blasting
20446	Metal Parts Coating
920894	Emergency Engine
920895	IC Engine
930938	Abrasive Blasting
961265	Marine Coating
970274	Limited Use Engine
960330	Registered Engine
972663	Limited Use Engine

BY SOURCE CATEGORY

Source Category	Permit Numbers
Abrasive Blasting	1168
Abrasive Blasting	6593
Abrasive Blasting	930938
Emergency Engine	920894
Gas Turbine	1267
IC Engines	920895
Limited Use Engine	970274
Registered Engine	960330
Limited Use Engine	972663
Marine Coating	961265
Metal Parts Coating	20446
Utility Boiler	791
Utility Boiler	792
Utility Boiler	793
Utility Boiler	1770
Utility Boiler	5238

B. REGISTERED AND LEASED EMISSION UNITS

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

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

C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

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

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

D. PERMIT SHIELDS

1. Not applicable to this source.

SECTION IV. VARIANCE PROCEDURES & COMPLIANCE SCHEDULES

A. VARIANCE PROCEDURES

1. 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]

B. COMPLIANCE SCHEDULES

Not applicable to this source.

SECTION V. APPENDIXES

APPENDIX A: DISTRICT PERMITS (Attached)

Permit Numbers	Source Category
791	Utility Boiler
792	Utility Boiler
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1168	Abrasive Blasting
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COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
000791

PERMIT TO OPERATE

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

PERMITTEE
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ENVIRONMENTAL COORDINATOR
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EQUIPMENT ADDRESS
CABRILLO POWER I LLC

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EQUIPMENT DESCRIPTION
BOILER #1: BABCOCK & WILCOX (MODEL: RADIANT, 1013 MM BTU/HR, S/N 13961-54) OPERATING A STEAM TURBINE GENERATOR, 113 MW-GROSS; NATURAL GAS FIRED USING AN RJM BURNER (MODEL: FLAME STABILIZATION WITH WATER INJECTION) AND VENTED TO A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM USING AQUEOUS AMMONIA, AND A CONTINUOUS EMISSION MONITORING SYSTEM (KVB-ENERTEC).

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Permittee shall comply with Rule(s) 50, 51, 53, 62, and 68. (Rules 50, 51, 53, 62, and 68)

2. This equipment shall be properly maintained and operated in accordance with good Air Pollution Control practices at all times. (Rule 51)

3. The Permittee shall notify the Air Pollution Control District (APCD) of each formal damage claim that can be associated with acid fallout within ten (10) days of each such occurrence. (Rule 51)

4. All source tests required for this equipment shall be conducted in accordance with the following unless otherwise directed in writing by the District:

   A. For measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content the source test shall be conducted in accordance with District Method 100, "test procedures for the determination of NOx, CO, and diluent gases by continuous emission monitoring," dated May 1995, as approved by the EPA, or an alternative method that has been approved by the District and EPA, and the applicable provisions specified in 40 CFR part 60, Appendix B and Appendix F.

   B. For measurements of ammonia, the source test shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Method ST-

1B, "Ammonia, continuous sampling," dated January 20, 1982, as approved by the EPA or an alternative method that has been approved by the District and EPA.

C. Source testing shall be performed at no less than 80% of the boiler rating.

D. Measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content, and ammonia shall be made concurrently. For each source test, a source test protocol shall be submitted to the District for written approval at least 30 days prior to the date of the source test and, within 30 days after completion of the source test, a final test report shall be submitted to the District for review and approval, unless otherwise directed in writing by the District. (Rule 69, NSR and Rule 1200)

5. Except for changes that are specified in the initial approved NOx monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMS/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMS/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the Ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. (Rule 69, NSR and Rule 1200)

6. This equipment shall only be fired with natural gas. (NSR)

7. The CEMS to monitor NOx and O2 required by this Permit shall meet all the applicable performance, installation, certification, and quality assurance and quality control provisions specified in 40 CFR part 60, Appendix B and Appendix F and be operated in accordance with 40 CFR Part 60.13. Fuel flow monitors required by this Permit shall meet all applicable performance, installation, certification, calibration, and quality assurance and quality control provisions specified in 40CFR Part 75. (Title IV, Rule 69 and 40 CFR Part 75)

8. NOx emission limit condition: Except as provided below, for each calendar day, the average mass emission rate of NOx per unit of electrical energy generated from this equipment shall not exceed the Rule 69 NOx emission limit of 0.15 pounds per gross megawatt-hour averaged over each calendar day of operation.

For calendar days in which a startup(s) or shutdown(s) occurs, the mass emission rate of NOx per unit of gross electrical energy generated from this equipment shall not exceed one of the following alternative limits:

A. The Rule 69 NOx emission limit for the calendar day, as listed above; or

B. Beginning with the last non-excluded (for periods excluded from emission limit and emission rate averages see D. and E. of this condition) clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the preceding 1440 non-excluded clock minutes (retrospective 24-hour average); or

C. Beginning with the first non-excluded clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the succeeding 1440 non-excluded clock minutes (prospective 24-hour average).

For each calendar day in which a startup(s) or shutdown(s) occurs, the permittee may elect to base compliance on any one of these three alternatives. For purposes of this permit, a startup or shutdown during a calendar day occurs if no fuel is combusted for a period of at least 60 consecutive clock minutes during the calendar day.

The calendar-day and retrospective and prospective 24-hour average mass emission rate of NOx per unit of gross electrical energy generated shall be averaged over the same time period as the applicable NOx emission limit, based on CEMS and other continuous monitoring data, and calculated in accordance with the most recent NOx monitoring protocol approved in writing by the District.

The following time periods shall be excluded from the calendar day and retrospective and prospective 24-hour averages of NOx emission limits and emission rates:

D. Notwithstanding the NOx monitoring protocol, any portion of a clock hour, including an entire clock hour, if applicable, when there is no electrical generation by the steam turbine generator or no fuel is being combusted; and

E. Any other periods that are specified as excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. (Rule 69)

9. The Permittee shall maintain calendar day records that record the time to the nearest clock minute that electrical generation commenced and electrical generation ended. For purposes of all conditions in this Permit, electrical generation commences when gross electrical power output from the steam turbine generator equals or exceeds 1.0 megawatt (MW) and ends when gross electrical power output from the steam turbine generator is less than 1.0 MW. (Rule 69)

10. SCR operation condition:

At all times when fuel is being combusted, all combustion emissions from the boiler shall be vented to the SCR system. The SCR shall be in full operation when the SCR system inlet temperature equals or exceeds 460 degrees F except for periods of repair or maintenance to the SCR system or recovery of normal boiler operations following an inadvertent flameout. For the entire duration of such repair, maintenance, or inadvertent flameout periods, all of the following must be satisfied:

(1) The CEMS shall be in continuous operation;

(2) No periods excluded from calculation of the NOx mass emission limit or

emission rate as specified in the "NOx emission limit condition" or the approved NOx monitoring protocol shall occur except a period during which the CEMS probe is being purged not to exceed five clock minutes in any clock hour and;

(3) For each calendar day on which the SCR system repair or maintenance is performed or recovery of normal operations following an inadvertent flameout occurs, the "NOx emission limit condition" is complied with. The permittee shall maintain a log indicating the date and time periods of all such SCR system maintenance or repair and the nature of the maintenance or repair performed. (Rule 69)

11. The Permittee shall provide, as part of the NOx monitoring protocol for this equipment, a description of all external surface areas of all equipment of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, all such areas operating at less than atmospheric pressure, and all such areas controlled with a sealing air system. (Rule 69)

12. This equipment shall be equipped with continuous monitors, and associated data collection, processing and storage systems, which record and preserve all information necessary to demonstrate compliance with District Rule 69. These continuous monitors, including any identified alternative monitors used when a primary monitor is unavailable, and associated data collection, processing and storage systems shall, as applicable, be installed, certified, calibrated, and operated; process monitoring data; and perform calculations in accordance with the NOx monitoring protocol for this equipment, "NOx monitoring protocol, Encina Power Station Boiler Unit," as approved in writing by the District. The permittee may apply to revise any such NOx protocol and, upon written approval by the District, the revised protocol shall replace the previous protocol.

In addition, the District may revise the NOx protocol to ensure compliance with any applicable requirements of Rule 69. The calculation methodology of the NOx monitoring protocol shall specify the time of completion and recording of all calculations. The monitors shall be in full operation at all times when the equipment is in operation except for periods, if any, excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. For each calendar day and clock hour when fuel is combusted, at a minimum, the permittee shall perform the following and, no later than April 1, 2004, or the effective date of the NOx monitoring protocol, perform the following in accordance with the most recent approved NOx monitoring protocol:

A. For each clock minute, measure and record values for natural gas flow rate, gross electrical power output, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet O2 concentration, ammonia solution flow rate, and the SCR inlet temperature and calculate and record fuel heat input rates;

B. For each clock hour, calculate and record the average for the following: gross electrical power output, natural gas flow rate, ammonia solution flow rate, SCR outlet

NOx concentration uncorrected for O2 percentage, SCR outlet NOx concentration corrected to 3% O2, NOx emission rate expressed in pounds per hour, SCR outlet O2 concentration, and the SCR inlet temperature;

C. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a retrospective 24-hour average, calculate and record within 30 calendar days of the end of that calendar day the retrospective 24-hour NOx emission limit, retrospective 24-hour average NOx emission rate expressed in pounds per hour, retrospective 24-hour average gross electrical power output expressed in megawatts, and the retrospective 24- hour average NOx emission rate expressed in pounds per gross megawatt-hour;

D. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a prospective 24-hour average, calculate and record within 30 calendar days of the date that the applicable 1440 clock-minute period ends the prospective 24-hour NOx emission limit, prospective 24-hour average NOx emission rate expressed in pounds per hour, prospective 24-hour average gross electrical power output expressed in megawatts, and the prospective 24-hour average NOx emission rate expressed in pounds per gross megawatt-hour;

E. For each calendar day, calculate and record the Rule 69 NOx emission limit, average NOx emission rate expressed in pounds per hour, average gross electrical power output expressed in megawatts, and the average NOx emission rate expressed in pounds per gross megawatt-hour; and

F. Measure, calculate, and record any other information as specified in the NOx monitoring protocol for this equipment. (Rule 69)

13. The higher heating value of natural gas used in this equipment shall be the value reported by the utility supplying the natural gas to this facility during the previous billing month. For purposes of this permit a billing month means the time period between meter readings by the utility supplying natural gas. (Rule 69 and 40CFR Part 75)

14. The emissions of carbon monoxide (CO) shall not exceed 400 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (NSR)

15. The Ammonia injection flow rate shall be continuously monitored, recorded, and, except as provided for in the "SCR operation condition", controlled. The Permittee of this equipment shall record the date, description, and results of all device quality assurance tests, calibrations, and maintenance of the Ammonia injection and monitoring system. (Rule 1200)

16. All records required by this Permit shall be kept for a minimum of five (5) years, maintained on-site, and made available to District personnel upon request. When requested by the District, records shall be provided in an electronic format acceptable to the District. (Rule 1421)

17. When operating, this equipment shall be in compliance with District Rule 68. The Permittee shall maintain records in accordance with Rule 68 to verify compliance. (Rule 68)

18. This equipment shall be source tested at least once per Permit year before the Permit to operate renewal date, to demonstrate compliance with the CO and Ammonia emission standards of this Permit, using District approved methods, unless otherwise directed in writing by the District. (NSR, Rule 1200)

19. At the request of the District or EPA, the exhaust concentration of combustion particulates shall be measured in accordance with EPA method 5, "determination of particulate matter emissions from stationary sources" or an alternative method that has been approved by the District and EPA. A source test protocol approved in writing in advance by the requestor shall be used for this purpose. (NSR)

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. The emissions of ammonia shall not exceed 10 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (Rule 1200)

22. At least once each calendar day in which the boiler is operated for six hours or more, the Permittee shall conduct a leak inspection of all accessible external surface areas of all equipment-including, but not limited to, the furnace, boiler, economizer, and combustion exhaust gas ducting-that is located before the exit of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, if any. For insulated areas, the external surface area is the external surface of the insulation. The leak inspection areas exclude areas operating at less than atmospheric pressure and those areas controlled with an operating Sealing Air System.

    In addition, at least once every two calendar years the Permittee shall conduct a survey of these leak inspection areas with infrared thermography or an equivalent method. For each leak discovered in the leak inspection area that has a visible leak area greater than 0.8 square feet, the Permittee shall notify the District Compliance Division within 2 hours of the discovery and provide the District with the approximate dimensions and location of the leak and proposed time for repair. At a minimum, the Permittee shall repair as soon as practicable any leaks discovered in the leak inspection area larger than 0.13 square feet and any leaks necessary to maintain compliance with Rule 69 emission limitations. The Permittee shall maintain a log that, for each leak repaired, records: the date of discovery; a description that

includes the leak's maximum length and width as determined during the repair, the leak's location, as determined during repair; the date repair is completed; and the nature of the repair.

In addition, the Permittee shall maintain a log that records the date of any malfunctions, maintenance, and repair of the Sealing Air System. In the absence of other information, a leak's cross sectional flow area for determining leak rate shall be the maximum length of the leak times the maximum width of the leak. Notwithstanding the approved protocol, emissions from leaks of combustion products prior to treatment in the SCR may be considered by the District when determining compliance with any applicable emission limit.

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
000792

PERMIT TO OPERATE

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

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CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
BOILER #2: BABCOCK & WILCOX (MODEL: RADIANT, 1013 MM BTU/HR, S/N: 23101-56) OPERATING A STEAM TURBINE GENERATOR, 109 MW-GROSS; NATURAL GAS FIRED WITH AN RJM BURNER (MODEL: FLAME STABILIZATION WITH WATER INJECTION) AND VENTED TO A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM USING AQUEOUS AMMONIA; AND A CONTINUOUS EMISSION MONITORING SYSTEM (KVB-ENERTEC).

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Permittee shall comply with Rule(s) 50, 51, 53, 62, and 68. (Rules 50, 51, 53, 62, and 68)

2. This equipment shall be properly maintained and operated in accordance with good Air Pollution Control practices at all times. (Rule 51)

3. The Permittee shall notify the Air Pollution Control District (APCD) of each formal damage claim that can be associated with acid fallout within ten (10) days of each such occurrence. (Rule 51)

4. All source tests required for this equipment shall be conducted in accordance with the following unless otherwise directed in writing by the District:

   A. For measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content the source test shall be conducted in accordance with District Method 100, "test procedures for the determination of NOx, CO, and diluent gases by continuous emission monitoring," dated May 1995, as approved by the EPA, or an alternative method that has been approved by the District and EPA, and the applicable provisions specified in 40 CFR part 60, Appendix B and Appendix F.

   B. For measurements of ammonia, the source test shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Method ST-

1B, "Ammonia, continuous sampling," dated January 20, 1982, as approved by the EPA or an alternative method that has been approved by the District and EPA.

C. Source testing shall be performed at no less than 80% of the boiler rating.

D. Measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content, and ammonia shall be made concurrently. For each source test, a source test protocol shall be submitted to the District for written approval at least 30 days prior to the date of the source test and, within 30 days after completion of the source test, a final test report shall be submitted to the District for review and approval, unless otherwise directed in writing by the District. (Rule 69, NSR and Rule 1200)

5. Except for changes that are specified in the initial approved NOx monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMS/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMS/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the Ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. (Rule 69, NSR and Rule 1200)

6. This equipment shall only be fired with natural gas. (NSR)

7. The CEMS to monitor NOx and O2 required by this Permit shall meet all the applicable performance, installation, certification, and quality assurance and quality control provisions specified in 40 CFR part 60, Appendix B and Appendix F and be operated in accordance with 40 CFR Part 60.13. Fuel flow monitors required by this Permit shall meet all applicable performance, installation, certification, calibration, and quality assurance and quality control provisions specified in 40CFR Part 75. (Title IV, Rule 69 and 40 CFR Part 75)

8. NOx emission limit condition: Except as provided below, for each calendar day, the average mass emission rate of NOx per unit of electrical energy generated from this equipment shall not exceed the Rule 69 NOx emission limit of 0.15 pounds per gross megawatt-hour averaged over each calendar day of operation.

For calendar days in which a startup(s) or shutdown(s) occurs, the mass emission rate of NOx per unit of gross electrical energy generated from this equipment shall not exceed one of the following alternative limits:

A. The Rule 69 NOx emission limit for the calendar day, as listed above; or

B. Beginning with the last non-excluded (for periods excluded from emission limit and emission rate averages see D. and E. of this condition) clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the preceding 1440 non-excluded clock minutes (retrospective 24-hour average); or

C. Beginning with the first non-excluded clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the succeeding 1440 non-excluded clock minutes (prospective 24-hour average).

For each calendar day in which a startup(s) or shutdown(s) occurs, the permittee may elect to base compliance on any one of these three alternatives. For purposes of this permit, a startup or shutdown during a calendar day occurs if no fuel is combusted for a period of at least 60 consecutive clock minutes during the calendar day.

The calendar-day and retrospective and prospective 24-hour average mass emission rate of NOx per unit of gross electrical energy generated shall be averaged over the same time period as the applicable NOx emission limit, based on CEMS and other continuous monitoring data, and calculated in accordance with the most recent NOx monitoring protocol approved in writing by the District.

The following time periods shall be excluded from the calendar day and retrospective and prospective 24-hour averages of NOx emission limits and emission rates:

D. Notwithstanding the NOx monitoring protocol, any portion of a clock hour, including an entire clock hour, if applicable, when there is no electrical generation by the steam turbine generator or no fuel is being combusted; and

E. Any other periods that are specified as excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. (Rule 69)

9. The Permittee shall maintain calendar day records that record the time to the nearest clock minute that electrical generation commenced and electrical generation ended. For purposes of all conditions in this Permit, electrical generation commences when gross electrical power output from the steam turbine generator equals or exceeds 1.0 megawatt (MW) and ends when gross electrical power output from the steam turbine generator is less than 1.0 MW. (Rule 69)

10. SCR operation condition:

At all times when fuel is being combusted, all combustion emissions from the boiler shall be vented to the SCR system. The SCR shall be in full operation when the SCR system inlet temperature equals or exceeds 460 degrees F except for periods of repair or maintenance to the SCR system or recovery of normal boiler operations following an inadvertent flameout. For the entire duration of such repair, maintenance, or inadvertent flameout periods, all of the following must be satisfied:

(1) The CEMS shall be in continuous operation;

(2) No periods excluded from calculation of the NOx mass emission limit or emission rate as specified in the "NOx emission limit condition" or the approved NOx monitoring protocol shall occur except a period during which the CEMS probe

is being purged not to exceed five clock minutes in any clock hour and;

(3) For each calendar day on which the SCR system repair or maintenance is performed or recovery of normal operations following an inadvertent flameout occurs, the "NOx emission limit condition" is complied with. The permittee shall maintain a log indicating the date and time periods of all such SCR system maintenance or repair and the nature of the maintenance or repair performed. (Rule 69)

11. The Permittee shall provide, as part of the NOx monitoring protocol for this equipment, a description of all external surface areas of all equipment of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, all such areas operating at less than atmospheric pressure, and all such areas controlled with a sealing air system. (Rule 69)

12. This equipment shall be equipped with continuous monitors, and associated data collection, processing and storage systems, which record and preserve all information necessary to demonstrate compliance with District Rule 69. These continuous monitors, including any identified alternative monitors used when a primary monitor is unavailable, and associated data collection, processing and storage systems shall, as applicable, be installed, certified, calibrated, and operated; process monitoring data; and perform calculations in accordance with the NOx monitoring protocol for this equipment, "NOx monitoring protocol, Encina Power Station Boiler Unit," as approved in writing by the District. The permittee may apply to revise any such NOx protocol and, upon written approval by the District, the revised protocol shall replace the previous protocol.

In addition, the District may revise the NOx protocol to ensure compliance with any applicable requirements of Rule 69. The calculation methodology of the NOx monitoring protocol shall specify the time of completion and recording of all calculations. The monitors shall be in full operation at all times when the equipment is in operation except for periods, if any, excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. For each calendar day and clock hour when fuel is combusted, at a minimum, the permittee shall perform the following and, no later than April 1, 2004, or the effective date of the NOx monitoring protocol, perform the following in accordance with the most recent approved NOx monitoring protocol:

A. For each clock minute, measure and record values for natural gas flow rate, gross electrical power output, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet O2 concentration, ammonia solution flow rate, and the SCR inlet temperature and calculate and record fuel heat input rates;

B. For each clock hour, calculate and record the average for the following: gross electrical power output, natural gas flow rate, ammonia solution flow rate, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet NOx concentration corrected to 3% O2, NOx emission rate expressed in pounds per

hour, SCR outlet O2 concentration, and the SCR inlet temperature;

C. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a retrospective 24-hour average, calculate and record within 30 calendar days of the end of that calendar day the retrospective 24-hour NOx emission limit, retrospective 24-hour average NOx emission rate expressed in pounds per hour, retrospective 24-hour average gross electrical power output expressed in megawatts, and the retrospective 24- hour average NOx emission rate expressed in pounds per gross megawatt-hour;

D. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a prospective 24-hour average, calculate and record within 30 calendar days of the date that the applicable 1440 clock-minute period ends the prospective 24-hour NOx emission limit, prospective 24-hour average NOx emission rate expressed in pounds per hour, prospective 24-hour average gross electrical power output expressed in megawatts, and the prospective 24-hour average NOx emission rate expressed in pounds per gross megawatt-hour;

E. For each calendar day, calculate and record the Rule 69 NOx emission limit, average NOx emission rate expressed in pounds per hour, average gross electrical power output expressed in megawatts, and the average NOx emission rate expressed in pounds per gross megawatt-hour; and

F. Measure, calculate, and record any other information as specified in the NOx monitoring protocol for this equipment. (Rule 69)

13. The higher heating value of natural gas used in this equipment shall be the value reported by the utility supplying the natural gas to this facility during the previous billing month. For purposes of this permit a billing month means the time period between meter readings by the utility supplying natural gas. (Rule 69 and 40CFR Part 75)

14. The emissions of carbon monoxide (CO) shall not exceed 400 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (NSR)

15. The Ammonia injection flow rate shall be continuously monitored, recorded, and, except as provided for in the "SCR operation condition", controlled. The Permittee of this equipment shall record the date, description, and results of all device quality assurance tests, calibrations, and maintenance of the Ammonia injection and monitoring system. (Rule 1200)

16. All records required by this Permit shall be kept for a minimum of five (5) years, maintained on-site, and made available to District personnel upon request. When requested by the District, records shall be provided in an electronic format acceptable to the District. (Rule 1421)

17. When operating, this equipment shall be in compliance with District Rule 68. The Permittee shall maintain records in accordance with Rule 68 to verify compliance.

(Rule 68)

18. This equipment shall be source tested at least once per Permit year before the Permit to operate renewal date, to demonstrate compliance with the CO and Ammonia emission standards of this Permit, using District approved methods, unless otherwise directed in writing by the District. (NSR, Rule 1200)

19. At the request of the District or EPA, the exhaust concentration of combustion particulates shall be measured in accordance with EPA method 5, "determination of particulate matter emissions from stationary sources" or an alternative method that has been approved by the District and EPA. A source test protocol approved in writing in advance by the requestor shall be used for this purpose. (NSR)

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. The emissions of ammonia shall not exceed 10 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (Rule 1200)

22. At least once each calendar day in which the boiler is operated for six hours or more, the Permittee shall conduct a leak inspection of all accessible external surface areas of all equipment-including, but not limited to, the furnace, boiler, economizer, and combustion exhaust gas ducting-that is located before the exit of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, if any. For insulated areas, the external surface area is the external surface of the insulation. The leak inspection areas exclude areas operating at less than atmospheric pressure and those areas controlled with an operating Sealing Air System. In addition, at least once every two calendar years the Permittee shall conduct a survey of these leak inspection areas with infrared thermography or an equivalent method. For each leak discovered in the leak inspection area that has a visible leak area greater than 0.8 square feet, the Permittee shall notify the District Compliance Division within 2 hours of the discovery and provide the District with the approximate dimensions and location of the leak and proposed time for repair. At a minimum, the Permittee shall repair as soon as practicable any leaks discovered in the leak inspection area larger than 0.13 square feet and any leaks necessary to maintain compliance with Rule 69 emission limitations. The Permittee shall maintain a log that, for each leak repaired, records: the date of discovery; a description that includes the leak's maximum length and width as determined during the repair, the leak's location, as determined during repair; the date repair is completed; and the nature of the repair. In addition, the Permittee shall maintain a log that records the date of any malfunctions, maintenance, and repair of the Sealing Air System. In the absence of other information, a leak's cross sectional flow area for determining leak rate shall be the

maximum length of the leak times the maximum width of the leak. Notwithstanding the approved protocol, emissions from leaks of combustion products prior to treatment in the SCR may be considered by the District when determining compliance with any applicable emission limit.

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
000793

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
BOILER #3: BABCOCK & WILCOX (MODEL: RADIANT, S/N 23105-58, HEAT INPUT: 1128 MM BTU/HR) OPERATING A STEAM TURBINE GENERATOR, 115 MW-GROSS; NATURAL GAS FIRED, USING AN RJM BURNER (MODEL: FLAME STABILIZATION) WITH WATER INJECTION; AND VENTED TO A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM USING AQUEOUS AMMONIA AND A CONTINUOUS EMISSION MONITORING SYSTEM (KVBENERTEC).

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Permittee shall comply with Rule(s) 50, 51, 53, 62, and 68. (Rules 50, 51, 53, 62, and 68)

2. This equipment shall be properly maintained and operated in accordance with good Air Pollution Control practices at all times. (Rule 51)

3. The Permittee shall notify the Air Pollution Control District (APCD) of each formal damage claim that can be associated with acid fallout within ten (10) days of each such occurrence. (Rule 51)

4. All source tests required for this equipment shall be conducted in accordance with the following unless otherwise directed in writing by the District:

   A. For measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content the source test shall be conducted in accordance with District Method 100, "test procedures for the determination of NOx, CO, and diluent gases by continuous emission monitoring," dated May 1995, as approved by the EPA, or an alternative method that has been approved by the District and EPA, and the applicable provisions specified in 40 CFR part 60, Appendix B and Appendix F.

   B. For measurements of ammonia, the source test shall be conducted in accordance

with Bay Area Air Quality Management District (BAAQMD) Method ST-1B, "Ammonia, continuous sampling," dated January 20, 1982, as approved by the EPA or an alternative method that has been approved by the District and EPA.

C. Source testing shall be performed at no less than 80% of the boiler rating.

D. Measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content, and ammonia shall be made concurrently. For each source test, a source test protocol shall be submitted to the District for written approval at least 30 days prior to the date of the source test and, within 30 days after completion of the source test, a final test report shall be submitted to the District for review and approval, unless otherwise directed in writing by the District. (Rule 69, NSR and Rule 1200)

5. Except for changes that are specified in the initial approved NOx monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMS/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMS/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the Ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. (Rule 69, NSR and Rule 1200)

6. This equipment shall only be fired with natural gas. (NSR)

7. The CEMS to monitor NOx and O2 required by this Permit shall meet all the applicable performance, installation, certification, and quality assurance and quality control provisions specified in 40 CFR part 60, Appendix B and Appendix F and be operated in accordance with 40 CFR Part 60.13. Fuel flow monitors required by this Permit shall meet all applicable performance, installation, certification, calibration, and quality assurance and quality control provisions specified in 40CFR Part 75. (Title IV, Rule 69 and 40 CFR Part 75)

8. NOx emission limit condition: Except as provided below, for each calendar day, the average mass emission rate of NOx per unit of electrical energy generated from this equipment shall not exceed the Rule 69 NOx emission limit of 0.15 pounds per gross megawatt-hour averaged over each calendar day of operation.

For calendar days in which a startup(s) or shutdown(s) occurs, the mass emission rate of NOx per unit of gross electrical energy generated from this equipment shall not exceed one of the following alternative limits:

A. The Rule 69 NOx emission limit for the calendar day, as listed above; or

B. Beginning with the last non-excluded (for periods excluded from emission limit and emission rate averages see D. and E. of this condition) clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of

the preceding 1440 non-excluded clock minutes (retrospective 24-hour average); or

C. Beginning with the first non-excluded clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the succeeding 1440 non-excluded clock minutes (prospective 24-hour average).

For each calendar day in which a startup(s) or shutdown(s) occurs, the permittee may elect to base compliance on any one of these three alternatives. For purposes of this permit, a startup or shutdown during a calendar day occurs if no fuel is combusted for a period of at least 60 consecutive clock minutes during the calendar day.

The calendar-day and retrospective and prospective 24-hour average mass emission rate of NOx per unit of gross electrical energy generated shall be averaged over the same time period as the applicable NOx emission limit, based on CEMS and other continuous monitoring data, and calculated in accordance with the most recent NOx monitoring protocol approved in writing by the District.

The following time periods shall be excluded from the calendar day and retrospective and prospective 24-hour averages of NOx emission limits and emission rates:

D. Notwithstanding the NOx monitoring protocol, any portion of a clock hour, including an entire clock hour, if applicable, when there is no electrical generation by the steam turbine generator or no fuel is being combusted; and

E. Any other periods that are specified as excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. (Rule 69)

9. The Permittee shall maintain calendar day records that record the time to the nearest clock minute that electrical generation commenced and electrical generation ended. For purposes of all conditions in this Permit, electrical generation commences when gross electrical power output from the steam turbine generator equals or exceeds 1.0 megawatt (MW) and ends when gross electrical power output from the steam turbine generator is less than 1.0 MW. (Rule 69)

10. SCR operation condition:

At all times when fuel is being combusted, all combustion emissions from the boiler shall be vented to the SCR system. The SCR shall be in full operation when the SCR system inlet temperature equals or exceeds 460 degrees F except for periods of repair or maintenance to the SCR system or recovery of normal boiler operations following an inadvertent flameout. For the entire duration of such repair, maintenance, or inadvertent flameout periods, all of the following must be satisfied:

(1) The CEMS shall be in continuous operation;

(2) No periods excluded from calculation of the NOx mass emission limit or emission

rate as specified in the "NOx emission limit condition" or the approved NOx monitoring protocol shall occur except a period during which the CEMS probe is being purged not to exceed five clock minutes in any clock hour and;

(3) For each calendar day on which the SCR system repair or maintenance is performed or recovery of normal operations following an inadvertent flameout occurs, the "NOx emission limit condition" is complied with. The permittee shall maintain a log indicating the date and time periods of all such SCR system maintenance or repair and the nature of the maintenance or repair performed. (Rule 69)

11. The Permittee shall provide, as part of the NOx monitoring protocol for this equipment, a description of all external surface areas of all equipment of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, all such areas operating at less than atmospheric pressure, and all such areas controlled with a sealing air system. (Rule 69)

12. This equipment shall be equipped with continuous monitors, and associated data collection, processing and storage systems, which record and preserve all information necessary to demonstrate compliance with District Rule 69. These continuous monitors, including any identified alternative monitors used when a primary monitor is unavailable, and associated data collection, processing and storage systems shall, as applicable, be installed, certified, calibrated, and operated; process monitoring data; and perform calculations in accordance with the NOx monitoring protocol for this equipment, "NOx monitoring protocol, Encina Power Station Boiler Unit," as approved in writing by the District. The permittee may apply to revise any such NOx protocol and, upon written approval by the District, the revised protocol shall replace the previous protocol.

In addition, the District may revise the NOx protocol to ensure compliance with any applicable requirements of Rule 69. The calculation methodology of the NOx monitoring protocol shall specify the time of completion and recording of all calculations. The monitors shall be in full operation at all times when the equipment is in operation except for periods, if any, excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. For each calendar day and clock hour when fuel is combusted, at a minimum, the permittee shall perform the following and, no later than April 1, 2004, or the effective date of the NOx monitoring protocol, perform the following in accordance with the most recent approved NOx monitoring protocol:

A. For each clock minute, measure and record values for natural gas flow rate, gross electrical power output, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet O2 concentration, ammonia solution flow rate, and the SCR inlet temperature and calculate and record fuel heat input rates;

B. For each clock hour, calculate and record the average for the following: gross electrical power output, natural gas flow rate, ammonia solution flow rate, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet NOx concentration

corrected to 3% O2, NOx emission rate expressed in pounds per hour, SCR outlet O2 concentration, and the SCR inlet temperature;

C. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a retrospective 24-hour average, calculate and record within 30 calendar days of the end of that calendar day the retrospective 24-hour NOx emission limit, retrospective 24-hour average NOx emission rate expressed in pounds per hour, retrospective 24-hour average gross electrical power output expressed in megawatts, and the retrospective 24- hour average NOx emission rate expressed in pounds per gross megawatt-hour;

D. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a prospective 24-hour average, calculate and record within 30 calendar days of the date that the applicable 1440 clock-minute period ends the prospective 24-hour NOx emission limit, prospective 24-hour average NOx emission rate expressed in pounds per hour, prospective 24-hour average gross electrical power output expressed in megawatts, and the prospective 24-hour average NOx emission rate expressed in pounds per gross megawatt-hour;

E. For each calendar day, calculate and record the Rule 69 NOx emission limit, average NOx emission rate expressed in pounds per hour, average gross electrical power output expressed in megawatts, and the average NOx emission rate expressed in pounds per gross megawatt-hour; and

F. Measure, calculate, and record any other information as specified in the NOx monitoring protocol for this equipment. (Rule 69)

13. The higher heating value of natural gas used in this equipment shall be the value reported by the utility supplying the natural gas to this facility during the previous billing month. For purposes of this permit a billing month means the time period between meter readings by the utility supplying natural gas. (Rule 69 and 40CFR Part 75)

14. The emissions of carbon monoxide (CO) shall not exceed 400 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (NSR)

15. The Ammonia injection flow rate shall be continuously monitored, recorded, and, except as provided for in the "SCR operation condition", controlled. The Permittee of this equipment shall record the date, description, and results of all device quality assurance tests, calibrations, and maintenance of the Ammonia injection and monitoring system. (Rule 1200)

16. All records required by this Permit shall be kept for a minimum of five (5) years, maintained on-site, and made available to District personnel upon request. When requested by the District, records shall be provided in an electronic format acceptable to the District. (Rule 1421)

17. When operating, this equipment shall be in compliance with District Rule 68. The Permittee shall maintain records in accordance with Rule 68 to verify compliance. (Rule 68)

18. This equipment shall be source tested at least once per Permit year before the Permit to operate renewal date, to demonstrate compliance with the CO and Ammonia emission standards of this Permit, using District approved methods, unless otherwise directed in writing by the District. (NSR, Rule 1200)

19. At the request of the District or EPA, the exhaust concentration of combustion particulates shall be measured in accordance with EPA method 5, "determination of particulate matter emissions from stationary sources" or an alternative method that has been approved by the District and EPA. A source test protocol approved in writing in advance by the requestor shall be used for this purpose. (NSR)

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. The emissions of ammonia shall not exceed 10 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (Rule 1200)

22. At least once each calendar day in which the boiler is operated for six hours or more, the permittee shall conduct a leak inspection of all accessible external surface areas of all equipment-including, but not limited to, the furnace, boiler, economizer, and combustion exhaust gas ducting-that is located before the exit of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, if any.

    For insulated areas, the external surface area is the external surface of the insulation. The leak inspection areas exclude areas operating at less than atmospheric pressure and those areas controlled with an operating sealing air system. In addition, at least once every two calendar years the permittee shall conduct a survey of these leak inspection areas with infrared thermography or an equivalent method.

    For each leak discovered in the leak inspection area that has a visible leak area greater than 1.2 square feet, the permittee shall notify the District Compliance Division within 2 hours of the date repair is completed; and the nature of the repair.

    The permittee shall maintain a log that, for each leak repaired, records: the date of discovery; a description that includes the leak's maximum length and width as determined during the repair, the leak's location, as determined during repair; the

date repair is completed; and the nature of the repair. In addition, the permittee shall maintain a log that records the date of any malfunctions, maintenance, and repair of the sealing air system. In the absence of other information, a leak's cross sectional flow area for determining leak rate shall be the maximum length of the leak times the maximum width of the leak. Notwithstanding the approved protocol, emissions from leaks of combustion products prior to treatment in the SCR may be considered by the District when determining compliance with any applicable emission limit.

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
001168

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
ABRASIVE BLAST MACHINE, 150-LB CAP: CLEMCO MOD SCW 1440, S/N 9409

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 71. (Rule 71)

2. Permittee shall use an appropriate abrasive blasting procedure, such as wet, confined or vacuum blasting, or if performing dry unconfined blasting, use a grade of abrasive that complies with the applicable requirements of Title 17, California Code of Regulations, starting at Section 92000. (Rule 71)

3. When gravity or pneumatic loading procedures are used, the dust laden air displaced or exhausted from the abrasive blast machine, as well as fugitive emissions, shall be filtered or otherwise treated, when necessary, to ensure compliance with the Rule 50. (Rule 50 and Rule 71)

4. Measures shall be taken so that ground dust does not become airborne. (Elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). (Rule 50 and Rule 71)

5. At an abrasive blasting facility confined blasting procedures shall be used when the item to be blasted has dimensions that are all less than 8' x 8' x 10', except when the item to be blasted is at its permanent or ordinary location, or when steel or iron shot/grit is used. For procedures and other requirements refer to California Code of Regulations, starting at Section 92000. (Rule 71)

6. When certified abrasives are used for dry unconfined blasting, the opacity of the dust emission from the blasting operation may not exceed 40% (or #2 Ringelmann) for more than 3 minutes in any 60 consecutive minutes, and when uncertified

abrasives are used for dry unconfined blasting the opacity of the dust emission from the blasting operation may not exceed 20% (or 1# Ringelmann) for more than 3 minutes in any 60 consecutive minutes. (Rule 50 and Rule 71)

7. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

9. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
001267

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
GAS TURBINE/GENERATOR: GENERAL ELECTRIC MOD PG-5191, 317 MM BTU/HR INPUT, S/N 179269, GT-1, NATURAL GAS FIRED.

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Continuous monitors accurate to plus or minus 5% shall be installed which monitor and record the stack exhaust temperature, megawatts produced, and the rate of water injection. (Rule 69.3 and 40CFR Part 64)

2. The continuous monitors and recorders shall be maintained in good operating condition, inspected annually, calibrated annually to maintain plus or minus 5% accuracy and shall be in operation whenever the turbine operates. (40CFR Part 64)

3. The emissions concentration of Oxides of Nitrogen (NOx) emissions calculated as Nitrogen Dioxide (NO2) shall not exceed 42 parts per million by volume (PPMV), measured in the flue gas and calculated at 15% Oxygen on a dry basis. (Rule 69.3.1)

4. Emission Standards and Requirements for other operational characteristics shall not apply during startup or shutdown for a period not to exceed 120 continuous minutes. (Rule 69.3.1)

5. An operating log shall be maintained and made available to the District upon request. Records in the log shall include:

   -hours of operation

   -total cumulative hours of operation during each calendar year

-duration of all startups, shutdowns and fuel changes (if applicable)

- quantity of fuel used

-the reason for operation (Source Testing, peak shaving, maintenance, etc)

Start up time includes operating time of the IC Starter Engine used to start the Gas Turbine. (Rule 69.3.1)

6. All records required by this permit shall be kept for a minimum of five years and made available to District personnel upon request. (40CFR 70.6(a)(3)(iii)(B))

7. A chart (megawatts vs. water flow NOx envelope) illustrating the relationship between water flow and power output for this turbine shall be kept on the premises. The turbine shall be operated within the envelope defined by the chart. The chart shall also display the gas flow rates associated with power output for this turbine. (40CFR Part 64)

8. This Turbine shall be equipped with a non-resettable totalizing Engine hour meter which shall be maintained in good working order and used for recording operating hours. (Rule 69.3.1)

9. This turbine shall not be operated equal to or more than 877 hours per calendar year. (Rule 69.3.1)

10. Source Testing shall be conducted in accordance with the San Diego APCD Method 100 or with the Air Resources Board (ARB) Test Method 100, as approved by the U.S. Environmental Protection Agency (EPA). Source Testing shall include all operational characteristics required to be monitored and recorded. (Rule 69.3.1)

11. Source Testing shall be performed at no less than 80% of the power rating. If it is demonstrated to the satisfaction of the District that this Turbine cannot operate at these conditions, then emissions Source Testing shall be performed at the highest achievable continuous power rating. (Rule 69.3.1)

12. For the purposes of compliance determination based upon Source Testing, the NOx emissions concentration shall be calculated as the average of three subtests. (Rule 69.3.1)

13. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. (Rule 69.3.1)

14. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

16. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
001770

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
BOILER NO. 4 (P/O 1770): BABCOCK & WILCOX, MODEL RB 477 EL PASO, 3245 MM BTU/HR, NATURAL GAS FIRED, S/N 22461-73, WITH A TODD COMBUSTION LOW-NOX BURNER, MODEL DYNASWIRL-LN; WITH FLUE GAS RECIRCULATION AND A SEPARATED OVERFIRE AIR SYSTEM; AND WITH A CEM SYSTEM, KVB ENTERTEC; VENTED TO A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM USING AQUEOUS AMMONIA, HITACHI AMERICA, 19'3" X 52'0" X 6'6".

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Permittee shall comply with Rule(s) 50, 51, 53, 62, and 68. (Rules 50, 51, 53, 62, and 68)

2. This equipment shall be properly maintained and operated in accordance with good Air Pollution Control practices at all times. (Rule 51)

3. The Permittee shall notify the Air Pollution Control District (APCD) of each formal damage claim that can be associated with acid fallout within ten (10) days of each such occurrence. (Rule 51)

4. All source tests required for this equipment shall be conducted in accordance with the following unless otherwise directed in writing by the District:

   A. For measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content the source test shall be conducted in accordance with District Method 100, "test procedures for the determination of NOx, CO, and diluent gases by continuous emission monitoring," dated May 1995, as approved by the EPA, or an alternative method that has been approved by the District and EPA, and the applicable provisions specified in 40 CFR part 60, Appendix B and Appendix F.

   B. For measurements of ammonia, the source test shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Method ST-

1B, "Ammonia, continuous sampling," dated January 20, 1982, as approved by the EPA or an alternative method that has been approved by the District and EPA.

C. Source testing shall be performed at no less than 80% of the boiler rating.

D. Measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content, and ammonia shall be made concurrently. For each source test, a source test protocol shall be submitted to the District for written approval at least 30 days prior to the date of the source test and, within 30 days after completion of the source test, a final test report shall be submitted to the District for review and approval, unless otherwise directed in writing by the District. (Rule 69, NSR and Rule 1200)

5. Except for changes that are specified in the initial approved NOx monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMS/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMS/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the Ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. (Rule 69, NSR and Rule 1200)

6. This equipment shall only be fired with natural gas. (NSR)

7. The CEMS to monitor NOx and O2 required by this Permit shall meet all the applicable performance, installation, certification, and quality assurance and quality control provisions specified in 40 CFR part 60, Appendix B and Appendix F and be operated in accordance with 40 CFR Part 60.13. Fuel flow monitors required by this Permit shall meet all applicable performance, installation, certification, calibration, and quality assurance and quality control provisions specified in 40CFR Part 75. (Title IV, Rule 69 and 40 CFR Part 75)

8. NOx emission limit condition: Except as provided below, for each calendar day, the average mass emission rate of NOx per unit of electrical energy generated from this equipment shall not exceed the Rule 69 NOx emission limit of 0.15 pounds per gross megawatt-hour averaged over each calendar day of operation.

For calendar days in which a startup(s) or shutdown(s) occurs, the mass emission rate of NOx per unit of gross electrical energy generated from this equipment shall not exceed one of the following alternative limits:

A. The Rule 69 NOx emission limit for the calendar day, as listed above; or

B. Beginning with the last non-excluded (for periods excluded from emission limit and emission rate averages see D. and E. of this condition) clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the preceding 1440 non-excluded clock minutes (retrospective 24-hour average); or

C. Beginning with the first non-excluded clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the succeeding 1440 non-excluded clock minutes (prospective 24-hour average).

For each calendar day in which a startup(s) or shutdown(s) occurs, the permittee may elect to base compliance on any one of these three alternatives. For purposes of this permit, a startup or shutdown during a calendar day occurs if no fuel is combusted for a period of at least 60 consecutive clock minutes during the calendar day.

The calendar-day and retrospective and prospective 24-hour average mass emission rate of NOx per unit of gross electrical energy generated shall be averaged over the same time period as the applicable NOx emission limit, based on CEMS and other continuous monitoring data, and calculated in accordance with the most recent NOx monitoring protocol approved in writing by the District.

The following time periods shall be excluded from the calendar day and retrospective and prospective 24-hour averages of NOx emission limits and emission rates:

D. Notwithstanding the NOx monitoring protocol, any portion of a clock hour, including an entire clock hour, if applicable, when there is no electrical generation by the steam turbine generator or no fuel is being combusted; and

E. Any other periods that are specified as excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. (Rule 69)

9. The Permittee shall maintain calendar day records that record the time to the nearest clock minute that electrical generation commenced and electrical generation ended. For purposes of all conditions in this permit, electrical generation commences when gross electrical power output from the steam turbine generator equals or exceeds 3.0 megawatt (MW) and ends when gross electrical power output from the steam turbine generator is less than 3.0 MW. (Rule 69)

10. SCR operation condition:

At all times when fuel is being combusted, all combustion emissions from the boiler shall be vented to the SCR system. The SCR shall be in full operation when the SCR system inlet temperature equals or exceeds 460 degrees F except for periods of repair or maintenance to the SCR system or recovery of normal boiler operations following an inadvertent flameout. For the entire duration of such repair, maintenance, or inadvertent flameout periods, all of the following must be satisfied:

(1) The CEMS shall be in continuous operation;

(2) No periods excluded from calculation of the NOx mass emission limit or emission rate as specified in the "NOx emission limit condition" or the approved

NOx monitoring protocol shall occur except a period during which the CEMS probe is being purged not to exceed five clock minutes in any clock hour and;

(3) For each calendar day on which the SCR system repair or maintenance is performed or recovery of normal operations following an inadvertent flameout occurs, the "NOx emission limit condition" is complied with. The permittee shall maintain a log indicating the date and time periods of all such SCR system maintenance or repair and the nature of the maintenance or repair performed. (Rule 69)

11. The Permittee shall provide, as part of the NOx monitoring protocol for this equipment, a description of all external surface areas of all equipment of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, all such areas operating at less than atmospheric pressure, and all such areas controlled with a sealing air system. (Rule 69)

12. This equipment shall be equipped with continuous monitors, and associated data collection, processing and storage systems, which record and preserve all information necessary to demonstrate compliance with District Rule 69. These continuous monitors, including any identified alternative monitors used when a primary monitor is unavailable, and associated data collection, processing and storage systems shall, as applicable, be installed, certified, calibrated, and operated; process monitoring data; and perform calculations in accordance with the NOx monitoring protocol for this equipment, "NOx monitoring protocol, Encina Power Station Boiler Unit," as approved in writing by the District. The permittee may apply to revise any such NOx protocol and, upon written approval by the District, the revised protocol shall replace the previous protocol.

In addition, the District may revise the NOx protocol to ensure compliance with any applicable requirements of Rule 69. The calculation methodology of the NOx monitoring protocol shall specify the time of completion and recording of all calculations. The monitors shall be in full operation at all times when the equipment is in operation except for periods, if any, excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. For each calendar day and clock hour when fuel is combusted, at a minimum, the permittee shall perform the following and, no later than April 1, 2004, or the effective date of the NOx monitoring protocol, perform the following in accordance with the most recent approved NOx monitoring protocol:

A. For each clock minute, measure and record values for natural gas flow rate, gross electrical power output, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet O2 concentration, ammonia solution flow rate, and the SCR inlet temperature and calculate and record fuel heat input rates;

B. For each clock hour, calculate and record the average for the following: gross electrical power output, natural gas flow rate, ammonia solution flow rate, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet NOx

concentration corrected to 3% O2, NOx emission rate expressed in pounds per hour, SCR outlet O2 concentration, and the SCR inlet temperature;

C. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a retrospective 24-hour average, calculate and record within 30 calendar days of the end of that calendar day the retrospective 24-hour NOx emission limit, retrospective 24-hour average NOx emission rate expressed in pounds per hour, retrospective 24-hour average gross electrical power output expressed in megawatts, and the retrospective 24- hour average NOx emission rate expressed in pounds per gross megawatt-hour;

D. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a prospective 24-hour average, calculate and record within 30 calendar days of the date that the applicable 1440 clock-minute period ends the prospective 24-hour NOx emission limit, prospective 24-hour average NOx emission rate expressed in pounds per hour, prospective 24-hour average gross electrical power output expressed in megawatts, and the prospective 24-hour average NOx emission rate expressed in pounds per gross megawatt-hour;

E. For each calendar day, calculate and record the Rule 69 NOx emission limit, average NOx emission rate expressed in pounds per hour, average gross electrical power output expressed in megawatts, and the average NOx emission rate expressed in pounds per gross megawatt-hour; and

F. Measure, calculate, and record any other information as specified in the NOx monitoring protocol for this equipment. (Rule 69)

13. The higher heating value of natural gas used in this equipment shall be the value reported by the utility supplying the natural gas to this facility during the previous billing month. For purposes of this permit a billing month means the time period between meter readings by the utility supplying natural gas. (Rule 69 and 40CFR Part 75)

14. The emissions of carbon monoxide (CO) shall not exceed 400 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (NSR)

15. The Ammonia injection flow rate shall be continuously monitored, recorded, and, except as provided for in the "SCR operation condition", controlled. The Permittee of this equipment shall record the date, description, and results of all device quality assurance tests, calibrations, and maintenance of the Ammonia injection and monitoring system. (Rule 1200)

16. All records required by this Permit shall be kept for a minimum of five (5) years, maintained on-site, and made available to District personnel upon request. When requested by the District, records shall be provided in an electronic format acceptable to the District. (Rule 1421)

17. When operating, this equipment shall be in compliance with District Rule 68. The

Permittee shall maintain records in accordance with Rule 68 to verify compliance. (Rule 68)

18. This equipment shall be source tested at least once per Permit year before the Permit to operate renewal date, to demonstrate compliance with the CO and Ammonia emission standards of this Permit, using District approved methods, unless otherwise directed in writing by the District. (NSR, Rule 1200)

19. At the request of the District or EPA, the exhaust concentration of combustion particulates shall be measured in accordance with EPA method 5, "determination of particulate matter emissions from stationary sources" or an alternative method that has been approved by the District and EPA. A source test protocol approved in writing in advance by the requestor shall be used for this purpose. (NSR)

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. The emissions of ammonia shall not exceed 10 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (Rule 1200)

22. At least once each calendar day in which the boiler is operated for six hours or more, the Permittee shall conduct a leak inspection of all accessible external surface areas of all equipment gas ducting that is located before the exit of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, if any. For insulated areas, the external surface area is the external surface of the insulation. The leak inspection areas exclude areas operating at less than atmospheric pressure and those areas controlled with an operating Sealing Air System. In addition, at least once every two calendar years the Permittee shall conduct a survey of these leak inspection areas with infrared thermography or an equivalent method. For each leak discovered in the leak inspection area that has a visible leak area greater than 4.0 square feet, the Permittee shall notify the District Compliance Division within 2 hours of the discovery and provide the District with the approximate dimensions and location of the leak and proposed time for repair. At a minimum, the Permittee shall repair as soon as practicable any leaks discovered in the leak inspection area larger than 0.4 square feet and any leaks necessary to maintain compliance with Rule 69 emission limitations. In addition, the Permittee shall maintain a log that records the date of any malfunctions, maintenance, and repair of the Sealing Air System. In the absence of other information, a leak's cross sectional flow area for determining leak rate shall be the maximum length of the leak times the maximum width of the leak. Notwithstanding the approved protocol, emissions from leaks of combustion products prior to treatment in the SCR may be considered by the District when determining compliance with any applicable emission limit.

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
005238

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
BOILER #5 (P/O 5238): BABCOCK & WILCOX, MODEL RB498 EL PASO, 3475 MM BTU/HR, NATURAL GAS FIRED, S/N BW-235, WITH A TODD COMBUSTION LOW-NOX BURNER, MODEL DYNASWIRL-LN; WITH FUEL GAS RECIRCULATION AND A SEPARATED OVERFIRE AIR SYSTEM; AND WITH A CEM SYSTEM, KVB-ENTERTEC; VENTED TO A SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM USING AQUEOUS AMMONIA, HITACHI AMERICA, 19'3" X 52'0" X 6'6".

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Permittee shall comply with Rule(s) 50, 51, 53, 62, and 68. (Rules 50, 51, 53, 62, and 68)

2. This equipment shall be properly maintained and operated in accordance with good Air Pollution Control practices at all times. (Rule 51)

3. The Permittee shall notify the Air Pollution Control District (APCD) of each formal damage claim that can be associated with acid fallout within ten (10) days of each such occurrence. (Rule 51)

4. All source tests required for this equipment shall be conducted in accordance with the following unless otherwise directed in writing by the District:

   A. For measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content the source test shall be conducted in accordance with District Method 100, "test procedures for the determination of NOx, CO, and diluent gases by continuous emission monitoring," dated May 1995, as approved by the EPA, or an alternative method that has been approved by the District and EPA, and the applicable provisions specified in 40 CFR part 60, Appendix B and Appendix F.

   B. For measurements of ammonia, the source test shall be conducted in accordance

with Bay Area Air Quality Management District (BAAQMD) Method ST-1B, "Ammonia, continuous sampling," dated January 20, 1982, as approved by the EPA or an alternative method that has been approved by the District and EPA.

C. Source testing shall be performed at no less than 80% of the boiler rating.

D. Measurements of oxides of nitrogen, carbon monoxide, and stack gas oxygen content, and ammonia shall be made concurrently. For each source test, a source test protocol shall be submitted to the District for written approval at least 30 days prior to the date of the source test and, within 30 days after completion of the source test, a final test report shall be submitted to the District for review and approval, unless otherwise directed in writing by the District. (Rule 69, NSR and Rule 1200)

5. Except for changes that are specified in the initial approved NOx monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMS/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMS/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the Ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. (Rule 69, NSR and Rule 1200)

6. This equipment shall only be fired with natural gas. (NSR)

7. The CEMS to monitor NOx and O2 required by this Permit shall meet all the applicable performance, installation, certification, and quality assurance and quality control provisions specified in 40 CFR part 60, Appendix B and Appendix F and be operated in accordance with 40 CFR Part 60.13. Fuel flow monitors required by this Permit shall meet all applicable performance, installation, certification, calibration, and quality assurance and quality control provisions specified in 40CFR Part 75. (Title IV, Rule 69 and 40 CFR Part 75)

8. NOx emission limit condition: Except as provided below, for each calendar day, the average mass emission rate of NOx per unit of electrical energy generated from this equipment shall not exceed the Rule 69 NOx emission limit of 0.15 pounds per gross megawatt-hour averaged over each calendar day of operation.

For calendar days in which a startup(s) or shutdown(s) occurs, the mass emission rate of NOx per unit of gross electrical energy generated from this equipment shall not exceed one of the following alternative limits:

A. The Rule 69 NOx emission limit for the calendar day, as listed above; or

B. Beginning with the last non-excluded (for periods excluded from emission limit and emission rate averages see D. and E. of this condition) clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the preceding 1440 non-excluded clock minutes (retrospective 24-hour average); or

C. Beginning with the first non-excluded clock minute in the calendar day, a NOx emission limit, as determined above, based on the average of the succeeding 1440 non-excluded clock minutes (prospective 24-hour average).

For each calendar day in which a startup(s) or shutdown(s) occurs, the permittee may elect to base compliance on any one of these three alternatives. For purposes of this permit, a startup or shutdown during a calendar day occurs if no fuel is combusted for a period of at least 60 consecutive clock minutes during the calendar day.

The calendar-day and retrospective and prospective 24-hour average mass emission rate of NOx per unit of gross electrical energy generated shall be averaged over the same time period as the applicable NOx emission limit, based on CEMS and other continuous monitoring data, and calculated in accordance with the most recent NOx monitoring protocol approved in writing by the District.

The following time periods shall be excluded from the calendar day and retrospective and prospective 24-hour averages of NOx emission limits and emission rates:

D. Notwithstanding the NOx monitoring protocol, any portion of a clock hour, including an entire clock hour, if applicable, when there is no electrical generation by the steam turbine generator or no fuel is being combusted; and

E. Any other periods that are specified as excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. (Rule 69)

9. The Permittee shall maintain calendar day records that record the time to the nearest clock minute that electrical generation commenced and electrical generation ended. For purposes of all conditions in this permit, electrical generation commences when gross electrical power output from the steam turbine generator equals or exceeds 3.0 megawatt (MW) and ends when gross electrical power output from the steam turbine generator is less than 3.0 MW. (Rule 69)

10. SCR operation condition:

At all times when fuel is being combusted, all combustion emissions from the boiler shall be vented to the SCR system. The SCR shall be in full operation when the SCR system inlet temperature equals or exceeds 460 degrees F except for periods of repair or maintenance to the SCR system or recovery of normal boiler operations following an inadvertent flameout. For the entire duration of such repair, maintenance, or inadvertent flameout periods, all of the following must be satisfied:

(1) The CEMS shall be in continuous operation;

(2) No periods excluded from calculation of the NOx mass emission limit or emission rate as specified in the "NOx emission limit condition" or the approved NOx monitoring protocol shall occur except a period during which the CEMS probe is

being purged not to exceed five clock minutes in any clock hour and;

(3) For each calendar day on which the SCR system repair or maintenance is performed or recovery of normal operations following an inadvertent flameout occurs, the "NOx emission limit condition" is complied with. The permittee shall maintain a log indicating the date and time periods of all such SCR system maintenance or repair and the nature of the maintenance or repair performed. (Rule 69)

11. The Permittee shall provide, as part of the NOx monitoring protocol for this equipment, a description of all external surface areas of all equipment of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, all such areas operating at less than atmospheric pressure, and all such areas controlled with a sealing air system. (Rule 69)

12. This equipment shall be equipped with continuous monitors, and associated data collection, processing and storage systems, which record and preserve all information necessary to demonstrate compliance with District Rule 69. These continuous monitors, including any identified alternative monitors used when a primary monitor is unavailable, and associated data collection, processing and storage systems shall, as applicable, be installed, certified, calibrated, and operated; process monitoring data; and perform calculations in accordance with the NOx monitoring protocol for this equipment, "NOx monitoring protocol, Encina Power Station Boiler Unit," as approved in writing by the District. The permittee may apply to revise any such NOx protocol and, upon written approval by the District, the revised protocol shall replace the previous protocol.

In addition, the District may revise the NOx protocol to ensure compliance with any applicable requirements of Rule 69. The calculation methodology of the NOx monitoring protocol shall specify the time of completion and recording of all calculations. The monitors shall be in full operation at all times when the equipment is in operation except for periods, if any, excluded in the NOx monitoring protocol for this equipment as approved in writing by the District. For each calendar day and clock hour when fuel is combusted, at a minimum, the permittee shall perform the following and, no later than April 1, 2004, or the effective date of the NOx monitoring protocol, perform the following in accordance with the most recent approved NOx monitoring protocol:

A. For each clock minute, measure and record values for natural gas flow rate, gross electrical power output, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet O2 concentration, ammonia solution flow rate, and the SCR inlet temperature and calculate and record fuel heat input rates;

B. For each clock hour, calculate and record the average for the following: gross electrical power output, natural gas flow rate, ammonia solution flow rate, SCR outlet NOx concentration uncorrected for O2 percentage, SCR outlet NOx concentration corrected to 3% O2, NOx emission rate expressed in pounds per hour, SCR outlet O2 concentration, and the SCR inlet temperature;

C. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a retrospective 24-hour average, calculate and record within 30 calendar days of the end of that calendar day the retrospective 24-hour NOx emission limit, retrospective 24-hour average NOx emission rate expressed in pounds per hour, retrospective 24-hour average gross electrical power output expressed in megawatts, and the retrospective 24- hour average NOx emission rate expressed in pounds per gross megawatt-hour;

D. For each calendar day in which a startup or shutdown occurs and the permittee elects to base compliance on a prospective 24-hour average, calculate and record within 30 calendar days of the date that the applicable 1440 clock-minute period ends the prospective 24-hour NOx emission limit, prospective 24-hour average NOx emission rate expressed in pounds per hour, prospective 24-hour average gross electrical power output expressed in megawatts, and the prospective 24-hour average NOx emission rate expressed in pounds per gross megawatt-hour;

E. For each calendar day, calculate and record the Rule 69 NOx emission limit, average NOx emission rate expressed in pounds per hour, average gross electrical power output expressed in megawatts, and the average NOx emission rate expressed in pounds per gross megawatt-hour; and

F. Measure, calculate, and record any other information as specified in the NOx monitoring protocol for this equipment. (Rule 69)

13. The higher heating value of natural gas used in this equipment shall be the value reported by the utility supplying the natural gas to this facility during the previous billing month. For purposes of this permit a billing month means the time period between meter readings by the utility supplying natural gas. (Rule 69 and 40CFR Part 75)

14. The emissions of carbon monoxide (CO) shall not exceed 400 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (NSR)

15. The Ammonia injection flow rate shall be continuously monitored, recorded, and, except as provided for in the "SCR operation condition", controlled. The Permittee of this equipment shall record the date, description, and results of all device quality assurance tests, calibrations, and maintenance of the Ammonia injection and monitoring system. (Rule 1200)

16. All records required by this Permit shall be kept for a minimum of five (5) years, maintained on-site, and made available to District personnel upon request. When requested by the District, records shall be provided in an electronic format acceptable to the District. (Rule 1421)

17. When operating, this equipment shall be in compliance with District Rule 68. The Permittee shall maintain records in accordance with Rule 68 to verify compliance. (Rule 68)

18. This equipment shall be source tested at least once per Permit year before the Permit to operate renewal date, to demonstrate compliance with the CO and Ammonia emission standards of this Permit, using District approved methods, unless otherwise directed in writing by the District. (NSR, Rule 1200)

19. At the request of the District or EPA, the exhaust concentration of combustion particulates shall be measured in accordance with EPA method 5, "determination of particulate matter emissions from stationary sources" or an alternative method that has been approved by the District and EPA. A source test protocol approved in writing in advance by the requestor shall be used for this purpose. (NSR)

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. The emissions of ammonia shall not exceed 10 parts per million by volume on a dry basis (PPMVD) corrected to 3% oxygen. (Rule 1200)

22. At least once each calendar day in which the Boiler is operated for six hours or more, the Permittee shall conduct a leak inspection of all accessible external surface areas of all equipment-including, but not limited to, the Furnace, Boiler, Economizer, and combustion exhaust gas ducting-that is located before the exit of the SCR and where a positive pressure differential exists between the products of combustion and the ambient atmosphere, if any. For insulated areas, the external surface area is the external surface of the insulation. The leak inspection areas exclude areas operating at less than atmospheric pressure and those areas controlled with an operating Sealing Air System. In addition, at least once every two calendar years the Permittee shall conduct a survey of these leak inspection areas with infrared thermography or an equivalent method. For each leak discovered in the leak inspection area that has a visible leak area greater than 6.0 square feet, the Permittee shall notify the District Compliance Division within 2 hours of the discovery and provide the District with the approximate dimensions and location of the leak and proposed time for repair. At a minimum, the Permittee shall repair as soon as practicable any leaks discovered in the leak inspection area larger than 0.5 square feet and any leaks necessary to maintain compliance with Rule 69 emission limitations. The Permittee shall maintain a Log that, for each leak repaired, records: the date of discovery; a description that includes the leak's maximum length and width as determined during the repair, the leak's location, as determined during repair; the date repair is completed; and the nature of the repair.

    In addition, the Permittee shall maintain a Log that records the date of any malfunctions, maintenance, and repair of the Sealing Air System. In the absence of other information, a leak's cross sectional flow area for determining leak rate shall be the maximum length of the leak times the maximum width of the leak.

Notwithstanding the approved protocol, emissions from leaks of combustion products prior to treatment in the SCR may be considered by the District when determining compliance with any applicable emission limit.

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
006593

PERMIT TO OPERATE

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

PERMITTEE	EQUIPMENT ADDRESS
CABRILLO POWER I LLC	CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR	
4600 CARLSBAD BLVD	4600 CARLSBAD BLVD
CARLSBAD, CA 92008	CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
ABRASIVE BLAST BOOTH: 31' X 12' X 13'H; TORIT MODEL TD 3060-155 BAGHOUSE, S/N BB4349B

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 52 and Rule 71. (Rule 52 and Rule 71)

2. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. (Rule 52)

3. The air pollution control device shall be maintained in good operating condition and shall be in operation whenever the equipment described above is in operation. (Rule 50 and Rule 52)

4. Permittee shall perform the following monitoring at least once every six months and maintain records of the results:

   1) Visually inspect the baghouse filter system to verify it is in good working order.

   2) Observe the baghouse exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions. (Rule 50 and Rule 52)

5. When gravity or pneumatic loading procedures are used, the dust laden air displaced or exhausted from the abrasive blast machine, as well as fugitive emissions, shall be filtered or otherwise treated, when necessary, to ensure compliance with the Rule 50. (Rule 50)

6. A log of all inspections, repairs, malfunctions and breakdowns of control equipment

shall be maintained on site for the above equipment. (Rule 50 and Rule 52)

7. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

9. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
020446

PERMIT TO OPERATE

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

PERMITTEE	EQUIPMENT ADDRESS
CABRILLO POWER I LLC ENVIRONMENTAL COORDINATOR 4600 CARLSBAD BLVD CARLSBAD, CA 92008	CABRILLO POWER I LLC 4600 CARLSBAD BLVD CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
METAL PARTS COATING APPLICATION STATION: BLEEKER BROS. MODEL F-12-10-20 PAINT SPRAY BOOTH, 12'W X 10'H X 10'D, WITH 3-HP EXHAUST FAN AND EXHAUST FILTERS; HVLP SPRAY SYSTEM

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall not conduct any spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd). For the purposes of this condition, spray application means coatings that are applied using a hand-held device that creates an atomized mist of coating and deposits the coating on a substrate. Spray-applied coatings do not include the following materials or activities: coatings applied from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters) or surface coating application using powder coating, hand-held, non-refillable aerosol containers, or non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electro deposition coating, web coating, coil coating, touch-up markers, or marking pens. (MACT HHHHHH)

2. The permittee shall operate the coating application station described above in compliance with all applicable standards of Rule 67.3 Section (D), including application methods, surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements. (Rule 67.3)

3. The permittee shall maintain records for the application station described above in accordance with all applicable requirements of Rule 67.3 Section (F). (Rule 67.3)

4. If requested by the District or EPA, the applicable test methods listed in Rule 67.3

Section (G) shall be used to determine compliance with the applicable standards of Rule 67.3 Section (D). (Rule 67.3)

5. The permittee shall not apply coatings in the paint spray booth described above unless exhaust fans and exhaust filters are installed and operating properly. (Rule 50)

6. The permittee shall maintain current MSDS's or manufacturer's specifications which identify the VOC content, organic Hazardous Air Pollutant (HAP) content, vapor pressure or, initial boiling point, as applicable, for all materials containing organic solvents used in the operation described above. (Rule 67.3)

7. The permittee shall maintain a permanent air pressure at the air cap of High Volume Low Pressure (HVLP) coating application equipment in the range of 0.1 to 10 psig. The permittee will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure of coating application equipment or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. This condition applies only to those operations that claim the use of HVLP application equipment to comply with District Rules. (Rule 67.3)

8. Beginning December 1, 2003, for each calendar month and 12-consecutive calendar month period (12-month period) that ends in that calendar month, the permittee shall maintain calendar monthly usage records of the total volume, as applied, of organic HAP containing coatings, as specified in 40 CFR Part 63 Subpart MMMM. The total usage for each calendar month and 12-month period shall be calculated within 15 days of the end of the calendar month. If the total usage of organic HAP containing coatings exceeds 250 gallons in any 12-month period, the permittee shall thereafter comply with the applicable requirements of 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart MMMM. (40 CFR Part 63 Subpart A and Subpart MMMM)

9. The organic HAP content of any material shall be determined by the average value indicated by manufacturer information including, but not limited to, Material Safety Data Sheets, except that, when deemed necessary by the District or EPA, the organic HAP content of any liquid material shall be measured in accordance with Methods specified in 40 CFR Part 63 Subpart MMMM. Alternative Methods may be used with the advanced written approval of the District and EPA. (Rule 67.3 and 40 CFR Part 63 Subpart MMMM)

10. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

11. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)

12. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

13. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
920894

PERMIT TO OPERATE

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

PERMITTEE	EQUIPMENT ADDRESS
CABRILLO POWER I LLC	CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR	
4600 CARLSBAD BLVD	4600 CARLSBAD BLVD
CARLSBAD, CA 92008	CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
EMERGENCY ENGINE GENERATOR: CAT DIESEL ENGINE, DIESEL FIRED, 156 BHP, S/N: 29A02159, MODEL: 3208, KATO ENGINEERING GENERATOR, MODEL A24676000 100 KW.

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing. (Rule 12, Rule 69.4.1, or 17 CCR 93115)

2. Engine operation for maintenance and testing purposes shall not exceed 20 hours per calendar year. (17 CCR 93115)

3. Permittee must operate and maintain the stationary engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The periodic maintenance shall be conducted at least once per calendar year. (Rule 69.4.1, 17 CCR 93115, and 40CFR Subpart ZZZZ §63.6625(e)(6))

4. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40 CFR Subpart ZZZZ §63.6625(h))

5. The engine and any associated control equipment and monitoring equipment, shall be operated and maintained at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require further efforts to reduce emissions if the equipment is in compliance with all requirements of this authorization. Compliance with this

requirement will be based on available information, including but not limited to operations and maintenance procedures, control systems statements, records, test results and reports and equipment inspection. (40 CFR Subpart ZZZZ §63.6605(b))

6. This engine shall not operate for non-emergency use during the following periods, as applicable:

   (a) whenever there is any school sponsored activity, if engine is located on school grounds or

   (b) between 7:30am and 3:30pm on days when school is in session, if the engine is located within 500 feet of, but not on, school grounds.

   This condition shall not apply to an engine located at or near any school grounds that also serve as the students' place of residence. (17 CCR 93115)

7. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93115)

8. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

9. Visible emissions including crank case smoke shall comply with Rule 50. (Rule 50)

10. Engine operation in response to notification of an impending rotating outage, shall be subject to all the following restrictions:

    (a) the utility distribution company has ordered rotating outages in the control area where the engine is located.

    (b) the engine is operated no more than 30 minutes prior to the time when the utility distribution company officially forecasts a rotating outage in the cited control area, and

    (c) the engine operation is terminated immediately after the utility distribution company advises that a rotating outage is no longer in effect.

    This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115 (e)(2)(f). (17CCR93115)

11. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:

    (a) old meter's hour reading.

(b) replacement meter's manufacturer name, model, and serial number if available and current hour reading on replacement meter.

(c) copy of receipt of new meter or of installation work order.

A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

12. The owner or operator shall change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(4)(a))

13. The owner or operator shall inspect the air cleaner of a compression ignition engine or inspect spark plugs of a spark ignition engine, every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(b) or Table 2d(5)(b))

14. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(c))

15. The owner or operator of this engine shall keep the following records:

-applicable fuel certification

-manual of recommended maintenance provided by the manufacturer

-other maintenance procedure as approved in writing, in advance, by the District

These records shall be kept on-site for at least the same period of time as the engine to which the records apply is located at the site. These records shall be made available to the District upon request.

(Rule 69.4.1)

16. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:

(a) dates and times of engine operation, whether the operation was for compliance

with the testing requirements of the National Fire Protection Asso. (NFPA)25

or emergency use, and the nature of the emergency if known;

(b) hours of operation for all uses other than those specified above and identification of the nature of that use.

(c) records of annual engine maintenance, including date the maintenance was

performed.

These records shall be made available to the Air Pollution Control District upon request. (Rule 12 or Rule 69.4.1 or 17CCR93115)

17. The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 60 months following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 24 months of data shall be retained on site. The remaining 36 months of data may be retained off site. Records kept off site shall be made available to the APCD within 5 working days of a request. (40 CFR 63, General Provisions §63.10(b))

18. The owner or operator shall submit a semiannual compliance report recording each instance in which the facility did not meet the requirements in Table 2d to 40 CFR 63, subpart ZZZZ. (40 CFR 63 Subpart ZZZZ §63.6640 (a-b)).

19. For the purposes of this authorization "deviation" shall have the same meaning as in 40 CFR 63 subpart ZZZZ. Generally, it is any time that the owner or operator failed to meet any requirement of 40 CFR 63 subpart ZZZZ contained in this authorization, including the general duty to minimize emissions at all times as required by 40 CFR 63.6(e)(1)(i). (40 CFR 63 Subpart ZZZZ and 40 CFR 63.6(e)(1)(i))

20. The owner or operator shall submit a semiannual compliance report to the District by the end of the month following each reporting period. Reporting periods are January 1 through June 30 and July 1 through December 31. The semiannual compliance report shall contain:

a. Company name and address,

b. Statement by a responsible official (with name, title, and signature) certifying the accuracy of the report content,

c. Date of report and dates of reporting period,

d. The number, duration, and a brief description for each type of deviation which occurred during the reporting period and a description of actions taken to minimize emission and corrective actions taken,

e. If there are no deviations from requirements, a statement that there were no deviations

f. If there are deviations during the reporting period, the following information shall be included:

1. Date and time that each malfunction started and stopped,

2. A summary of total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period. (40 CFR 63, Subpart ZZZZ §63.6650(b-d))

21. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40CFR 63 Subpart ZZZZ in the semiannual monitoring report. If an affected source submits a compliance report pursuant to Table 7 of 40CFR 63 Subpart ZZZZ along with, or as part of, the Title V semiannual monitoring report, and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40CFR 63 Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. (40CFR 63 Subpart ZZZZ §63.6650(f))

22. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
920895

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
ONE (1) 249 BHP 3208 CATERPILLAR DIESEL ENGINE S/N 9WC00528 DRIVING AN ELECTRICAL GENERATOR ON THE DREDGE "THE ENCINA."

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated for less than 80 hours per calendar year. (17 CCR 93118.5 and Rule 69.4.1)

2. Permittee must operate and maintain the stationary engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The periodic maintenance shall be conducted at least once per calendar year. (Rule 69.4.1, 17 CCR 93115, and 40CFR Subpart ZZZZ §63.6625(e)(6))

3. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40 CFR Subpart ZZZZ §63.6625(h))

4. The engine and any associated control equipment and monitoring equipment, shall be operated and maintained at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require further efforts to reduce emissions if the equipment is in compliance with all requirements of this authorization. Compliance with this requirement will be based on available information, including but not limited to operations and maintenance procedures, control systems statements, records, test results and reports and equipment inspection. (40 CFR Subpart ZZZZ §63.6605(b))

5. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93118.5)

6. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

7. Visible emissions including crank case smoke shall comply with Rule 50. (Rule 50)

8. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:

   (a) old meter's hour reading.

   (b) replacement meter's manufacturer name, model, and serial number if available and current hour reading on replacement meter.

   (c) copy of receipt of new meter or of installation work order.

   A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

9. The owner or operator shall change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(1)(a))

10. The owner or operator shall inspect the air cleaner of a compression ignition engine every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(1)(b)

11. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(1)(c))

12. The owner or operator of this engine shall keep the following records:

    -applicable fuel certification

    -manual of recommended maintenance provided by the manufacturer

    -other maintenance procedure as approved in writing, in advance, by the District

    These records shall be kept on-site for at least the same period of time as the engine to which the records apply is located at the site. These records shall be made available to the District upon request.

    (Rule 69.4.1)

13. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:

    (a) records of yearly engine hours of operation;
    (b) records of annual engine maintenance, including date the maintenance was performed.

    These records shall be made available to the Air Pollution Control District upon request. (Rule 12 or Rule 69.4.1 or 17CCR 93118.5)

14. If the total hours of engine operation exceed 52 hours in a calendar year, the Permittee shall maintain records that indicate the date and time for the end of each period of engine operation, and cumulative hours of operation at the end of each engine operating period. If the total hours of engine operation do not exceed 52 hours in a calendar year, the Permittee shall, at a minimum, maintain records that indicate cumulative hours of operation during the calendar year. (Rule 69.4.1)

15. The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 60 months following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 24 months of data shall be retained on site. The remaining 36 months of data may be retained off site. Records kept off site shall be made available to the APCD within 5 working days of a request. (40 CFR 63, General Provisions §63.10(b))

16. The owner or operator shall submit a semiannual compliance report recording each instance in which the facility did not meet the requirements in Table 2d to 40 CFR 63, subpart ZZZZ. (40 CFR 63 Subpart ZZZZ §63.6640 (a-b)).

17. For the purposes of this authorization "deviation" shall have the same meaning as in 40 CFR 63 subpart ZZZZ. Generally, it is any time that the owner or operator failed to meet any requirement of 40 CFR 63 subpart ZZZZ contained in this authorization, including the general duty to minimize emissions at all times as required by 40 CFR 63.6(e)(1)(i). (40 CFR 63 Subpart ZZZZ and 40 CFR 63.6(e)(1)(i))

18. The owner or operator shall submit a semiannual compliance report to the District by the end of the month following each reporting period. Reporting periods are January 1 through June 30 and July 1 through December 31. The semiannual compliance report shall contain:

    a. Company name and address,

    b. Statement by a responsible official (with name, title, and signature) certifying the accuracy of the report content,

c. Date of report and dates of reporting period,

d. The number, duration, and a brief description for each type of deviation which occurred during the reporting period and a description of actions taken to minimize emission and corrective actions taken,

e. If there are no deviations from requirements, a statement that there were no deviations

f. If there are deviations during the reporting period, the following information shall be included:

1. Date and time that each malfunction started and stopped,

2. A summary of total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period. (40 CFR 63, Subpart ZZZZ §63.6650(b-d))

19. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40CFR 63 Subpart ZZZZ in the semiannual monitoring report. If an affected source submits a compliance report pursuant to Table 7 of 40CFR 63 Subpart ZZZZ along with, or as part of, the Title V semiannual monitoring report, and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40CFR 63 Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. (40CFR 63 Subpart ZZZZ §63.6650(f))

20. Permittee shall give the District written notice at least five (5) days prior to transferring this engine to another dredge within San Diego County. (Rule 21)

21. Before moving the dredge to another construction site within San Diego County, Permittee shall give the District at least one (1) day written notice if no other Permitted equipment (such as other dredging barges) are at the new construction site. Two (2) weeks written notice and an Application for Modification is required prior to relocating to new sites where other Permitted equipment is located. (NSR)

22. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
930938

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
ABRASIVE BLAST POT (CAPACITY 6.5 CU FT): SCHMIDT, MODEL 6.5 C.F., S/N K54488, NATIONAL BOARD #7388; COMPRESSOR WITH ELECTRIC MOTOR OR DIESEL ENGINE

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 71. (Rule 71)

2. Permittee shall use an appropriate abrasive blasting procedure, such as wet, confined or vacuum blasting, or if performing dry unconfined blasting, use a grade of abrasive that complies with the applicable requirements of Title 17, California Code of Regulations, starting at Section 92000. (Rule 71)

3. When gravity or pneumatic loading procedures are used, the dust laden air displaced or exhausted from the abrasive blast machine, as well as fugitive emissions, shall be filtered or otherwise treated, when necessary, to ensure compliance with the Rule 50. (Rule 50 and Rule 71)

4. Measures shall be taken so that ground dust does not become airborne. (elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). (Rule 50 and Rule 71)

5. At an abrasive blasting facility confined blasting procedures shall be used when the item to be blasted has dimensions that are all less than 8' x 8' x 10', except when the item to be blasted is at its permanent or ordinary location, or when steel or iron shot/grit is used. For procedures and other requirements refer to California Code of Regulations, starting at Section 92000. (Rule 71)

6. When certified abrasives are used for dry unconfined blasting, the opacity of the dust

emission from the blasting operation may not exceed 40% (or #2 Ringelmann) for more than 3 minutes in any 60 consecutive minutes, and when uncertified abrasives are used for dry unconfined blasting the opacity of the dust emission from the blasting operation may not exceed 20% (or 1# Ringelmann) for more than 3 minutes in any 60 consecutive minutes. (Rule 50 and Rule 71)

7. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

9. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
960330

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
REGISTERED EMERGENCY STANDBY ENGINE: CUMMINS MODEL NT-355-P33, S/N: 31895, 225 BHP, DIESEL FUELED, DRIVING THE EMERGENCY STANDBY FLOOD PUMP FOR ENCINA UNITS 4 & 5 SUB BASEMENTS.

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17 CCR 93115 as applicable, or for maintenance and testing. (Rule 12 or Rule 69.4.1 or 17 CCR 93115)

2. Engine operation for maintenance and testing purposes shall not exceed 20 hours per calendar year. (17 CCR 93115)

3. Permittee must operate and maintain the stationary engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The periodic maintenance shall be conducted at least once per calendar year. (Rule 12, 17 CCR 93115, and 40CFR Subpart ZZZZ §63.6625(e)(6))

4. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40 CFR Subpart ZZZZ §63.6625(h))

5. The engine and any associated control equipment and monitoring equipment, shall be operated and maintained at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require further efforts to reduce emissions if the equipment is in compliance with all requirements of this authorization. Compliance with this requirement

will be based on available information, including but not limited to operations and maintenance procedures, control systems statements, records, test results and reports and equipment inspection. (40 CFR Subpart ZZZZ §63.6605(b))

6. This engine shall not operate for non-emergency use during the following periods, as applicable:

   (a) whenever there is any school sponsored activity, if engine is located on school grounds or

   (b) between 7:30am and 3:30pm on days when school is in session, if the engine is located within 500 feet of, but not on, school grounds.

   This condition shall not apply to an engine located at or near any school grounds that also serve as the students' place of residence. (17 CCR 93115)

7. This engine shall only use CARB diesel fuel. (Rule 12, 17 CCR 93115)

8. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

9. Visible emissions including crank case smoke shall comply with Rule 50. (Rule 50)

10. Engine operation in response to notification of an impending rotating outage, shall be subject to all the following restrictions:

    (a) the utility distribution company has ordered rotating outages in the control area where the engine is located.

    (b) the engine is operated no more than 30 minutes prior to the time when the utility distribution company officially forecasts a rotating outage in the cited control area, and

    (c) the engine operation is terminated immediately after the utility distribution company advises that a rotating outage is no longer in effect.

    This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115 (e)(2)(f). (17CCR93115)

11. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:

    (a) old meter's hour reading

    (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and

(c) copy of receipt of new meter or of installation work order.

A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 12, 17 CCR 93115)

12. The owner or operator shall change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(4)(a))

13. The owner or operator shall inspect the air cleaner of a compression ignition engine or inspect spark plugs of a spark ignition engine, every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(b) or Table 2d(5)(b))

14. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(c))

15. The Owner or Operator of this engine shall keep the following records:

-applicable fuel certification

-manual of recommended maintenance provided by the manufacturer

-other maintenance procedure as approved in writing, in advance, by the District

These records shall be kept on-site for at least three years. These records shall be made available to the District upon request. (Rule 12)

16. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:

(a) dates and times of engine operation, whether the operation was for compliance with the testing requirements of the National Fire Protection Asso. (NFPA) 25 or emergency use, and the nature of the emergency if known;

(b) hours of operation for all uses other than those specified above & identification of the nature of that use.

(c) records of annual engine maintenance, including date the maintenance was performed.

These records shall be made available to the Air Pollution Control District upon request.

(Rule 12 or Rule 69.4.1 or 17CCR93115)

17. The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 60 months following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 24 months of data shall be retained on site. The remaining 36 months of data may be retained off site. Records kept off site shall be made available to the APCD within 5 working days of a request. (40 CFR 63, General Provisions §63.10(b))

18. The owner or operator shall submit a semiannual compliance report recording each instance in which the facility did not meet the requirements in Table 2d to 40 CFR 63, subpart ZZZZ. (40 CFR 63 Subpart ZZZZ §63.6640 (a-b)).

19. For the purposes of this authorization "deviation" shall have the same meaning as in 40 CFR 63 subpart ZZZZ. Generally, it is any time that the owner or operator failed to meet any requirement of 40 CFR 63 subpart ZZZZ contained in this authorization, including the general duty to minimize emissions at all times as required by 40 CFR 63.6(e)(1)(i). (40 CFR 63 Subpart ZZZZ and 40 CFR 63.6(e)(1)(i))

20. The owner or operator shall submit a semiannual compliance report to the District by the end of the month following each reporting period. Reporting periods are January 1 through June 30 and July 1 through December 31. The semiannual compliance report shall contain:

    a. Company name and address,

    b. Statement by a responsible official (with name, title, and signature) certifying the accuracy of the report content,

    c. Date of report and dates of reporting period,

    d. The number, duration, and a brief description for each type of deviation which occurred during the reporting period and a description of actions taken to minimize emission and corrective actions taken,

    e. If there are no deviations from requirements, a statement that there were no deviations

    f. If there are deviations during the reporting period, the following information shall be included:

    1. Date and time that each malfunction started and stopped,

    2. A summary of total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period. (40

CFR 63, Subpart ZZZZ §63.6650(b-d)

21. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40CFR 63 Subpart ZZZZ in the semiannual monitoring report. If an affected source submits a compliance report pursuant to Table 7 of 40CFR 63 Subpart ZZZZ along with, or as part of, the Title V semiannual monitoring report, and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40CFR 63 Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. (40CFR 63 Subpart ZZZZ §63.6650(f))

22. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

24. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
961265

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
MARINE COATING OPERATION: OUTDOOR, EQUIPPED WITH AIR-DRYING, ONE (1) GRACO MODEL 390 HVLP SPRAY GUN, ONE (1) AIRLESS SPRAY GUN, BRUSH AND ROLLER TO NON-CHROME PIGMENTED RULE 67.18 COMPLIANT COATINGS

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall not conduct any spray application of coatings containing compounds of chromium (Cr) or lead (Pb). For the purposes of this condition, spray application means coatings that are applied using a hand-held device that creates an atomized mist of coating and deposits the coating on a substrate. Spray-applied coatings do not include the following materials or activities: coatings applied from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters) or surface coating application using powder coating, hand-held, non-refillable aerosol containers, or non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electro deposition coating, web coating, coil coating, touch-up markers, or marking pens. (MACT HHHHHH)

2. Permittee shall operate the coating operations described above in compliance with all applicable standards of Rule 67.18 Section (D), including surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements. (Rule 67.18)

3. Permittee shall maintain records for the coating operations described above in accordance with all applicable requirements of Rule 67.18 Section (F). (Rule 67.18)

4. Total emissions of Volatile Organic Compounds (VOC) shall not exceed 0.99 tons in any 12 consecutive calendar month period (12-month period). For each calendar month, the permittee shall calculate and record the total VOC emissions and calculate record the total VOC emissions for the 12-month period that ends in the

month the calculations shall be completed by the end of the following calendar month. (NSR)

5. Coating and solvent usage records shall be maintained on site on an hourly, daily, and monthly basis and shall be made readily available to the District upon request. These records shall at minimum contain the following information: manufacturer's identification number, mix ratios and volumes of each material containing VOCs used. (NSR and Rule 67.18)

6. Permittee shall maintain current MSDS's or manufacturer's specifications which identify the VOC content, Toxic Air Contaminant content, vapor pressure or initial boiling point, as applicable, for all materials containing VOCs and Toxic Air Contaminants used in the operation described above. (Rule 67.18)

7. The permittee shall maintain a permanent air pressure at the air cap of High Volume Low Pressure (HVLP) coating application equipment in the range of 0.1 to 10 psig. The permittee will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure of coating application equipment or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. This condition applies only to those operations that claim the use of HVLP application equipment to comply with District Rules. (NSR)

8. Beginning December 1, 2003, for each calendar month and 12-consecutive calendar month period (12-month period) that ends in that calendar month, the pemittee shall maintain calendar monthly records of the total volume of coatings used, as applied. The total usage for each calendar month and 12-month period shall be calculated within 15 days of the end of the calendar month. If the total usage of coatings exceeds 250 gallons in any 12-month period, the permittee shall thereafter comply with the applicable requirements of 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart II. (40 CFR Part 63 Subpart A and Supart II)

9. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

10. The permittee shall not use more than 38 gallons of combined Xylene-based coatings and solvents in any one hour of operation and not more than 102 gallons of combined Xylene-based and Toluene-based coatings in any consecutive 12 months of operation. (Rule 1200)

11. Permittee shall not use marine coatings that contain Toxic Air Contaminants

specified in Rule 1200 (Revision effective 6/12/96) except Xylene and Toluene. (Rule 1200)

12. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

13. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
970274

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
CUMMINS DIESEL ENGINE, MODEL V8-300-B1, S/N 66321, 265 BHP, USED AS A GAS TURBINE STARTER ENGINE.

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Total engine operation shall not exceed 20 hours per calendar year. [17 CCR 93115.10, Rule 69.4.1]

2. Permittee must operate and maintain the stationary engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The periodic maintenance shall be conducted at least once per calendar year. (Rule 69.4.1, 17 CCR 93115, and 40CFR Subpart ZZZZ §63.6625(e)(6))

3. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40 CFR Subpart ZZZZ §63.6625(h))

4. The engine and any associated control equipment and monitoring equipment, shall be operated and maintained at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require further efforts to reduce emissions if the equipment is in compliance with all requirements of this authorization. Compliance with this requirement will be based on available information, including but not limited to operations and maintenance procedures, control systems statements, records, test results and reports and equipment inspection. (40 CFR Subpart ZZZZ §63.6605(b))

5. The Engine shall be located more than 500 feet from any school (as defined in 17 CCR 93115.4(A)(67)) at all times. (17 CCR 93115.4(A)(67))

6. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93115)

7. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

8. Visible emissions including crank case smoke shall comply with Rule 50. (Rule 50)

9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:

   (a) old meter's hour reading.

   (b) replacement meter's manufacturer name, model, and serial number if available and current hour reading on replacement meter.

   (c) copy of receipt of new meter or of installation work order.

   A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

10. The owner or operator shall change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(4)(a))

11. The owner or operator shall inspect the air cleaner of a compression ignition engine or inspect spark plugs of a spark ignition engine, every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(b) or Table 2d(5)(b))

12. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(4)(c))

13. The owner or operator of this engine shall keep the following records:

    -applicable fuel certification

    -manual of recommended maintenance provided by the manufacturer

    -other maintenance procedure as approved in writing, in advance, by the District

These records shall be kept on-site for at least the same period of time as the engine to which the records apply is located at the site. These records shall be made available to the District upon request. (Rule 69.4.1)

14. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:

    (a) records of monthly engine hours of operation;

    (b) records of annual engine maintenance, including date the maintenance was performed.

    These records shall be made available to the Air Pollution Control District upon request. (Rule 12 or Rule 69.4.1 or 17CCR93115)

15. The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 60 months following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 24 months of data shall be retained on site. The remaining 36 months of data may be retained off site. Records kept off site shall be made available to the APCD within 5 working days of a request. (40 CFR 63, General Provisions §63.10(b))

16. The owner or operator shall submit a semiannual compliance report recording each instance in which the facility did not meet the requirements in Table 2d to 40 CFR 63, subpart ZZZZ. (40 CFR 63 Subpart ZZZZ §63.6640 (a-b)).

17. For the purposes of this authorization "deviation" shall have the same meaning as in 40 CFR 63 subpart ZZZZ. Generally, it is any time that the owner or operator failed to meet any requirement of 40 CFR 63 subpart ZZZZ contained in this authorization, including the general duty to minimize emissions at all times as required by 40 CFR 63.6(e)(1)(i). (40 CFR 63 Subpart ZZZZ and 40 CFR 63.6(e)(1)(i))

18. The owner or operator shall submit a semiannual compliance report to the District by the end of the month following each reporting period. Reporting periods are January 1 through June 30 and July 1 through December 31. The semiannual compliance report shall contain:

    a. Company name and address,

    b. Statement by a responsible official (with name, title, and signature) certifying the accuracy of the report content,

    c. Date of report and dates of reporting period,

d. The number, duration, and a brief description for each type of deviation which occurred during the reporting period and a description of actions taken to minimize emission and corrective actions taken,

e. If there are no deviations from requirements, a statement that there were no deviations

f. If there are deviations during the reporting period, the following information shall be included:

1. Date and time that each malfunction started and stopped,

2. A summary of total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period. (40 CFR 63, Subpart ZZZZ §63.6650(b-d))

19. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40CFR 63 Subpart ZZZZ in the semiannual monitoring report. If an affected source submits a compliance report pursuant to Table 7 of 40CFR 63 Subpart ZZZZ along with, or as part of, the Title V semiannual monitoring report, and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40CFR 63 Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. (40CFR 63 Subpart ZZZZ §63.6650(f))

20. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

22. 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.)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE RD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO
972663

PERMIT TO OPERATE

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

PERMITTEE
CABRILLO POWER I LLC
ENVIRONMENTAL COORDINATOR
4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT ADDRESS
CABRILLO POWER I LLC

4600 CARLSBAD BLVD
CARLSBAD, CA 92008

EQUIPMENT DESCRIPTION
PORTABLE ENGINE: MAKE: DEUTZ, MODEL: BF4L913, DIESEL FIRED, BHP: 99HP SERIAL NO: 8654104. EPA CERTIFIED. ENGINE DRIVES AN ANCHOR WINCH ON THE ANCHOR SCOW ASSOCIATED WITH THE DREDGE "THE ENCINA."

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 50, 51, 53, 62, AND 69.4.1.

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated for less than 80 hours per calendar year. (17 CCR 93118.5 and Rule 69.4.1)

2. The engine shall be operated for less than or equal to 5.5 hours per day. (NSR)

3. Permittee must operate and maintain the stationary engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The periodic maintenance shall be conducted at least once per calendar year. (Rule 69.4.1, 17 CCR 93115, and 40CFR Subpart ZZZZ §63.6625(e)(6))

4. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40 CFR Subpart ZZZZ §63.6625(h))

5. The engine and any associated control equipment and monitoring equipment, shall be operated and maintained at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require further efforts to reduce emissions if the equipment is in compliance with all requirements of this authorization. Compliance with this

requirement will be based on available information, including but not limited to operations and maintenance procedures, control systems statements, records, test results and reports and equipment inspection. (40 CFR Subpart ZZZZ §63.6605(b))

6. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93118.5)

7. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

8. Visible emissions including crank case smoke shall comply with Rule 50. (Rule 50)

9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:

   (a) old meter's hour reading.

   (b) replacement meter's manufacturer name, model, and serial number if available and current hour reading on replacement meter.

   (c) copy of receipt of new meter or of installation work order.

   A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

10. The owner or operator shall change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(1)(a))

11. The owner or operator shall inspect the air cleaner of a compression ignition engine every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(1)(b)

12. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ §63.6603(a) and Table 2d(1)(c))

13. The owner or operator of this engine shall keep the following records:

    -applicable fuel certification

    -manual of recommended maintenance provided by the manufacturer

    -other maintenance procedure as approved in writing, in advance, by the District

These records shall be kept on-site for at least the same period of time as the engine to which the records apply is located at the site. These records shall be made available to the District upon request. (Rule 69.4.1)

14. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:

    (a) records of yearly and daily engine hours of operation;
    (b) records of annual engine maintenance, including date the maintenance was performed.

    These records shall be made available to the Air Pollution Control District upon request. (NSR and 17CCR 93118.5)

15. If the total hours of engine operation exceed 52 hours in a calendar year, the Permittee shall maintain records that indicate the date and time for the end of each period of engine operation, and cumulative hours of operation at the end of each engine operating period. If the total hours of engine operation do not exceed 52 hours in a calendar year, the Permittee shall, at a minimum, maintain records that indicate cumulative hours of operation during the calendar year. (Rule 69.4.1)

16. The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 60 months following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 24 months of data shall be retained on site. The remaining 36 months of data may be retained off site. Records kept off site shall be made available to the APCD within 5 working days of a request. (40 CFR 63, General Provisions §63.10(b))

17. The owner or operator shall submit a semiannual compliance report recording each instance in which the facility did not meet the requirements in Table 2d to 40 CFR 63, subpart ZZZZ. (40 CFR 63 Subpart ZZZZ §63.6640 (a-b)).

18. For the purposes of this authorization "deviation" shall have the same meaning as in 40 CFR 63 subpart ZZZZ. Generally, it is any time that the owner or operator failed to meet any requirement of 40 CFR 63 subpart ZZZZ contained in this authorization, including the general duty to minimize emissions at all times as required by 40 CFR 63.6(e)(1)(i). (40 CFR 63 Subpart ZZZZ and 40 CFR 63.6(e)(1)(i))

19. The owner or operator shall submit a semiannual compliance report to the District by the end of the month following each reporting period. Reporting periods are January 1 through June 30 and July 1 through December 31. The semiannual compliance report shall contain:

    a. Company name and address,

b. Statement by a responsible official (with name, title, and signature) certifying the accuracy of the report content,

c. Date of report and dates of reporting period,

d. The number, duration, and a brief description for each type of deviation which occurred during the reporting period and a description of actions taken to minimize emission and corrective actions taken,

e. If there are no deviations from requirements, a statement that there were no deviations

f. If there are deviations during the reporting period, the following information shall be included:

1. Date and time that each malfunction started and stopped,

2. A summary of total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period. (40 CFR 63, Subpart ZZZZ §63.6650(b-d))

20. Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40CFR 63 Subpart ZZZZ in the semiannual monitoring report. If an affected source submits a compliance report pursuant to Table 7 of 40CFR 63 Subpart ZZZZ along with, or as part of, the Title V semiannual monitoring report, and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40CFR 63 Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. (40CFR 63 Subpart ZZZZ §63.6650(f))

21. 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)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

22. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

23. 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 (last updated 8/20/13)

Rule Citation[1]	RULE TITLE	A/R[2]	District Adoption Date[3]	SIP FR Approval Date
	REGULATION I - GENERAL PROVISIONS			
1	Title	F	04/30/80	09/28/81
2	Definitions	F	06/30/99	02/03/00[4]
4	Review of Rules	F	01/01/70†	09/22/72
5	Authority to Arrest	F	03/24/76†	05/11/77
	REGULATION II - PERMITS			
10	Permits Required	F	04/27/00	03/11/98
10.1††	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	D/F	05/09/12	Pending
12	Registration of Specified Equipment	D	11/15/00	N/A
12.1	Portable Equipment Registration	D	05/21/97	N/A
14	Applications	F	04/30/80	09/28/81
15	Permit Process - Public Notifications	D/F	09/18/90	Pending
17	Cancellation of Applications	F	11/25/81	03/11/98
18	Action on Applications	F	01/17/72	09/22/72
18	Action on Applications	D/F	09/18/90	Pending
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1††	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	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	12/17/98	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	12/17/98	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	12/17/98	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	12/17/98	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	F	01/01/69†	09/22/72
23	Further Information	F	01/01/69†	09/22/72
24	Temporary Permit to Operate	F	03/20/96	10/24/08
25	Appeals	F	01/01/69†	09/22/72
25	Appeals	D/F	06/21/00	Pending
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D/F	10/22/97	Pending
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.2	Use of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.5	Transfer of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.6	District Banking of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.7	Shutdown and Related Emission Unit	D/F	10/22/97	Pending
26.8	Banking of Limited Emission Reductions	D/F	10/22/97	Pending
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D/F	10/22/97	Pending
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D/F	10/22/97	Pending
27	Banking of Mobile Source Emission Reduction Credits	D/F	11/29/94	Pending
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09
	REGULATIONS III - FEES			
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
	REGULATIONS IV - PROHIBITIONS			
50	Visible Emissions	F	08/13/97	12/7/98
50.1††	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69†	09/22/72
52	Particular Matter	F	01/22/97	12/9/98
52.1††	NSPS & NESHAPS Particular Matter Requirements	D	11/08/76	N/A
53	Specific Contaminants	F	01/22/97	12/9/98
53.1	Scavenger Plants	F	01/01/69†	09/22/72
53.2††	NSPS & NESHAPS Specific Contaminants Requirements	D	11/08/76	N/A
54	Dusts and Fumes	F	01/22/97	12/9/98
54.1	NSPS & NESHAP Dust and Fumes Requirement	D	11/08/76	N/A
58	Incinerator Burning	F	01/17/73†	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	Withdrawn
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00
60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	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	N/A
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	F	10/16/90	05/13/93
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	D/F	03/26/08	Pending
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks	D	03/01/06	N/A
61.5	Visible Emission Standards for Vapor Control Systems	F	09/20/78†	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1††	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	08/21/81	07/06/82
66	Organic Solvents	F	07/25/95	08/11/98
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	Pending
67.0	Architectural Coatings	F	04/09/03	03/27/97
67.0	Architectural Coatings	D/F	12/12/01	Pending
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	05/15/96	03/27/97
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	11/09/11	11/03/97
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	5/23/07	10/13/09
67.6.2	Vapor Degreasing Operations	F	5/23/07	10/13/09
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	D/F	06/27/12	4/11/13
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	11/09/11	03/27/97
67.17	Storage of Materials Containing Volatile Organic Compounds	F	05/15/96	03/27/97

67.18	Marine Coating Operations	F	05/15/96	03/27/97
67.19	Coating and Printing Inks Manufacturing Operations	F	05/15/96	01/19/00
67.20.1	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	03/25/10	N/A
69.3	Stationary Gas Turbine Engines	F	09/27/94	06/17/97
69.3	Stationary Gas Turbine Engines – RACT	D/F	12/16/98	Pending
69.3.1	Stationary Gas Turbine Engines – BARCT	D	02/24/10	N/A
69.4	Stationary Internal Combustion Engines	F	09/27/94	01/22/97
69.4	Stationary Internal Combustion Engines – RACT	D/F	07/30/03	2/25/04
69.4.1	Stationary Internal Combustion Engines - BARCT	D	11/15/00	N/A
69.5	Natural Gas-Fired Water Heaters	D	01/01/99	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
	REGULATION V - PROCEDURES BEFORE THE HEARING BOARD			
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
	REGULATION VI - BURNING CONTROL			
101	Burning Control	F	09/25/02	04/30/03
	REGULATION VII - VALIDITY AND EFFECTIVE DATE			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72
	REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN			
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	05/01/81	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	05/01/81	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		
	REGULATION IX - PUBLIC RECORDS			
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
	REGULATION XII - TOXIC AIR CONTAMINANTS			
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

	REGULATION XIV - TITLE V OPERATING PERMITS			
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
	REGULATION XV - FEDERAL CONFORMITY			
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
Part 60	**REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES**		
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
Part 61	**REGULATION XI- NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)**		
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
	DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)		
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
Part 63	**DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES**		
A	General Provisions	F	05/16/07
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	F	04/20/06
O	Ethylene Oxide Sterilization Facilities	F	12/28/07
R	Gasoline Distribution	F	01/24/11
T	Halogenated Solvent Cleaning	F	09/08/00
DD	Off-site Waste & Recovery Operations	F	07/20/99
GG	Aerospace Manufacturing and Rework Facilities	F	12/08/00
II	Shipbuilding and Ship Repair (Surface Coating)	F	12/15/95
JJ	Wood Furniture Manufacturing Operations	F	12/28/98
VVV	Publicly Owned Treatment Works	F	10/21/02
AAAA	Municipal Solid Waste Landfills	F	01/16/03
EEEE	Organic Liquids Distribution (non-gasoline)	F	07/17/08
MMMM	Surface Coating of Miscellaneous Metal Parts and Products	F	04/26/04
PPPP	Plastic Parts (surface coating)	F	04/24/07
SSSS	Surface Coating of Metal Coil	F	03/17/03
VVVV	Boat Manufacturing	F	08/22/01

WWWW	Reinforced Plastic Composites Production	F	8/25/05
YYYY	Stationary Combustion Turbines	F	08/18/04
ZZZZ	Stationary Reciprocating Internal Combustion Engines	F	03/09/11
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	F	05/18/11
GGGGG	Site Remediation	F	11/29/06
HHHHH	Miscellaneous Coating Manufacturing	F	10/04/06
PPPPP	Engine Test Cells/Stands	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07
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
JJJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
QQQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWWW	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

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	**DISTRICT RULES AND REGULATIONS APPENDIX C - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)**			
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 Sto Vessels (Including Petroleum Liquid Storage Vessels) fo 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
Part 60				
IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJJ	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: LIST OF ABBREVIATIONS USED 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
CO2 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
NOx Oxides of nitrogen
O2 Oxygen
OES Office of Environmental Services
O&M Operation and maintenance
Pb Lead
PM Total Particulate Matter
PM10 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
SOx 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

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Acid Rain Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is: ☐ New ☒ Revised

STEP 1

Identify the source by plant name, State, and ORIS code.

Plant Name	State	ORIS Code
Cabrillo Power I LLC	CA	302

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a." For new units, enter the requested information in columns "c" and "d."

a	b	c	d
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Date	New Units Monitor Certification Deadline
791	Yes		
792	Yes		
793	Yes		
1770	Yes		
5238	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		

Cabrillo Power I LLC
Plant Name (from Step 1)

STEP 3

Read the standard requirements

Permit Requirements

(1) The designated representative of each affected source and each affected unit at the source shall:

(i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:

(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and

(ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:

(i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another affected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and

(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:

(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or

(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

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

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

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

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

STEP 3, Cont'd.

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

Excess Emissions Requirements

(1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting
authority:
(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Cabrillo Power I LLC
Plant Name (from Step 1)

Step 3, Cont'd.

Liability, Cont'd.

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a unit can hold; *provided,* that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the certification statement, sign, and date

Certification

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

Name KEITH J. RICHARDS	
Signature Keith J Richards	Date 12/5/07

APPENDIX E – COPY OF PERMIT RENEWAL FEE ESTIMATE

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