

**Carlsbad Energy Center LLC**

804 Carnegie Center  
Princeton, NJ 08540  
Phone: 760-710-3970

May 1, 2019

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

**Subject: Carlsbad Energy Center, Title V Application: APCD2014-APP-003480  
through APCD2014-APP-003487**

Dear Mr. Horres:

Enclosed is Carlsbad Energy Center LLC's Title V application for the recently completed Carlsbad Energy Center Project. Included are the following County of San Diego Air Pollution Control District (SDAPCD) Title V Application forms:

- APCD General Application
- APCD Form 1401-A1 and A2, Stationary Source Summary
- APCD Form 1401-H1, Applicable Requirements Summary Checklist
- APCD Form 1401-H2, List of Permits by Equipment Category
- APCD Form 1401-I, Certification Statement
- APCD Form 1401-K, Compliance Certification Schedule
- APCD Form 1401-L, Schedule of Compliance
- APCD Form 1401-M, Abatement Devices
- APCD Form 1401-N, Alternative Operating Scenario
- APCD Form 1401-O, Multiple Applicable Requirements Streamlining
- APCD Form 1401-Q, Permit Shield

Also enclosed is a check for \$2,180.00 for the initial deposit of the filing fees, as discussed on April 17, 2019. If you have any questions or concerns, please contact Ryan Goerl ([ryan.goerl@nrg.com](mailto:ryan.goerl@nrg.com)) at (760) 573-3802 or George Piantka ([george.piantka@nrg.com](mailto:george.piantka@nrg.com)) at (760) 707-6833.

Sincerely,  
Carlsbad Energy Center LLC  
By: Its Authorized Agent,

By: NRG California Peaker Operations LLC  
Paul Mattesich  
Plant Manager

cc: Ryan Goerl, NRG  
George Piantka, NRG

| Internal Use Only          |        |
|----------------------------|--------|
| APP ID: APCD 2019-APP/GER- | 005818 |
| SITE ID: APCD 1982-SITE-   | 00195  |

**GENERAL PERMIT OR  
REGISTRATION  
APPLICATION FORM**



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

**REASON FOR SUBMITTAL OF APPLICATION:**

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

List affected APP/PTO Record ID(s): APCD2014-App-003480 thru APCD2014-APP-003487

**APPLICANT INFORMATION**

Name of Business (DBA) Carlsbad Energy Center  
 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) Carlsbad Energy Center LLC

| Equipment Owner  |                               | Authority to Construct Mailing Address |                               |
|------------------|-------------------------------|--|-------------------------------|
| Name:            | Carlsbad Energy Center LLC    | Name:                                  | Carlsbad Energy Center LLC    |
| Mailing Address: | 4950 Avenida Encina           | Mailing Address:                       | 4950 Avenida Encinas          |
| City:            | Carlsbad State: CA Zip: 92008 | City:                                  | Carlsbad State: CA Zip: 92008 |
| Phone:           | (760) 573-3802                | Phone:                                 | ( )                           |
| E-Mail Address:  | ryan.goerl@nrg.com            | E-Mail Address:                        | ryan.goerl@nrg.com            |

| Permit To Operate Mailing Address |               | Invoice Mailing Address |               |
|-----------------------------------|---------------|-------------------------|---------------|
| Name:                             | same as above | Name:                   | same as above |
| Mailing Address:                  |               | Mailing Address:        |               |
| City:                             | State: Zip:   | City:                   | State: Zip:   |
| Phone:                            | ( )           | Phone:                  | ( )           |
| E-Mail Address:                   |               | E-Mail Address:         |               |

**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 4950 Avenida Encina City Carlsbad State: CA  
 Parcel No. 210-010-47 Zip 92008 Phone ( ) \_\_\_\_\_ E-mail: ryan.goerl@nrg.com  
 Site Contact Ryan Goerl Phone (760) 573-3802

General Description of Equipment/Process natural gas combustion turbines for electricity generation  
 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 [Signature] Date 05/01/2019  
 Print Name Paul Mattesich Company NRG Energy Services Group  
 Phone (805) 616-5836 E-mail Address \_\_\_\_\_

Check # 5430

|      |               |                 |           |              |             |              |                      |
|------|---------------|-----------------|-----------|--------------|-------------|--------------|----------------------|
| Date | <u>5/2/19</u> | Staff Initials: | <u>cm</u> | Amt Rec'd \$ | <u>2190</u> | Fee Schedule | <u>TU = 2025 BTM</u> |
| RNP: | <u>0</u>      | EMF:            | <u>0</u>  | NBF:         | <u>105</u>  | TA:          |                      |

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

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

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

|  |   |
|--|---|
| <b>Company Name</b><br><u>Carlsbad Energy Center LLC</u> | <b>District Use Only</b><br>NEDS # _____<br>SITE ID # _____ |
|--|---|

**I. FACILITY IDENTIFICATION**

- Facility Name (if different than company name): Carlsbad Energy Center
- Four digit SIC Code: SIC 4911/ NAICS 221112
- Parent Company (if different than Company Name): Carlsbad Energy Center LLC
- Mailing Address: 4950 Avenida Encinas  
City Carlsbad State CA Zip 92008
- Street Address or Source Location: 4950 Avenida Encinas  
City Carlsbad State CA Zip 92008
- UTM Coordinates: Lat 33-08-26.57N NAD83; Long 117-20-02.16W (Unit #9 stack)
- Source Located within 50 miles of a state line:  Yes  No (All sources **are** within 50 miles)
- Source Located within 1000 feet of a school:  Yes  No
- Type of Organization:  Corporation  Sole Ownership  Government  
 Partnership  Utility Company
- Legal Owner's Name: Carlsbad Energy Center LLC
- Owner's Agent name (if any): George Piantka / 760-707-6833
- Responsible Official: Paul Mattesich
- Plant Site Manager/Contact: Paul Mattesich Phone #: 805-616-5836 FAX #: \_\_\_\_\_
- Application Contact: Ryan Goerl
- Type of Facility: Electricity Generation
- General description of processes/products: natural gas combustion turbines for electricity generation
- 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<br>(check)                                   | CURRENT PERMIT<br>(permit number) | EXPIRATION<br>(date) |
|--|-----------------------------------|----------------------|
| <input checked="" type="checkbox"/> <b>Initial Title V Application</b> | N/A                               | N/A                  |
| <input type="checkbox"/> <b>Permit Renewal</b>                         |                                   |                      |
| <input type="checkbox"/> <b>Significant Permit Modification</b>        |                                   |                      |
| <input type="checkbox"/> <b>Minor Permit Modification</b>              |                                   |                      |
| <input type="checkbox"/> <b>Administrative Amendment</b>               |                                   |                      |

**III. DESCRIPTION OF PERMIT ACTION**

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

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

\* Means all attachments to the complete application.

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

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

|   |   |
|---|---|
| <b>Company Name</b><br><br>Carlsbad Energy Center LLC | <b>District Use Only</b><br><br>NEDS # _____<br>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<br>TOTAL EMISSIONS, TPY | (check if appropriate)              |
|---------------------------------|--|-------------------------------------|
| VOC                             | 100  | <input type="checkbox"/>            |
| PM <sub>10</sub>                | 100  | <input type="checkbox"/>            |
| SO <sub>2</sub>                 | 100  | <input type="checkbox"/>            |
| NO <sub>x</sub>                 | 100 (>50)                                      | <input checked="" type="checkbox"/> |
| CO                              | 100  | <input checked="" type="checkbox"/> |
| ODC                             | 100  | <input type="checkbox"/>            |
| LEAD COMPOUNDS                  | 10   | <input type="checkbox"/>            |
| <b>HAZARDOUS AIR POLLUTANTS</b> |  |                                     |
| SINGLE HAP                      | 10   | <input type="checkbox"/>            |
|                                 |  | <input type="checkbox"/>            |
|                                 |  | <input type="checkbox"/>            |
| COMBINATION HAP                 | 25   | <input type="checkbox"/>            |
|                                 |  | <input type="checkbox"/>            |
|                                 |  | <input type="checkbox"/>            |
|                                 |  | <input type="checkbox"/>            |

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

Reference ECMPS ORIS Code 302

  
Signature of Responsible Official

Paul Mattesich  
Print Name of Responsible Official

Plant Manager  
Title of Responsible Official

Inventory Year 2018

05/01/2019  
Date

(805) 616-5836  
Telephone No. 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**  
**Applicable Requirements Summary Checklist (FORM 1401-H1)**

|   |  |
|---|--|
| Company Name<br><b>Carlsbad Energy Center LLC</b> | District Use Only<br>NEDS # _____<br>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, Reports, Rule Section | Facility | Future Effective Date |
|--|---|-----------------------------|-----------------------------------|----------|-----------------------|
| <b>Facility Applicable Requirement Description</b> |   |                             |                                   |          |                       |
| 10(a)  | Permits Required – (a) Authority to Construct |                             |                                   | ✓        |                       |
| 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 |  |  |  |  |  | Future Effective Date |
|--|---|-----------------------------|--|----------|--|--|--|--|--|-----------------------|
| <b>Equipment Specific Applicable Requirement Description</b> |   |                             |  |          |  |  |  |  |  |                       |
| 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 (AECPP)  | (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 | 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 | 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  |                             |  |          |                       |

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

|      |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 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   |
| D       | Standards of Performance for Fossil-Fuel Fired Steam Generators   | 260.46  | 260.13  |
| Da      | Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978 |         | 260.45  |
|         |   |         | 260.47a |
|         |   |         | 260.48a |
|         |   |         | 260.49a |
|         |   |         | 260.47b |
| Db      | Standards of Performance for Industrial-Commercial-Institutional Steam Generating                         | 260.45b | 260.48b |
|         |   | 260.46b | 260.49b |
| E       | Standards of Performance for Incinerators   | 260.54  | 260.53  |
| I       | Standards of Performance for Asphalt Concrete Plants  | 260.93  |         |



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

| RULE | RULE DESCRIPTION  | Test Method or Rule Section | Monitoring, Records, Reports, Rule Section | Facility |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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<br>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<br>260.316 | 260.314<br>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<br>260.435 | 260.434                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RR  | Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations | 260.444<br>260.446 | 260.445<br>260.447            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS  | Standard of Performance for the Industrial Surface Coating Large Appliances                   | 260.453<br>260.456 | 260.454<br>260.455            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TT  | Standards of Performance for Metal Coil Surface Coating                                       | 260.463<br>260.466 | 260.464<br>260.465            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BBB | Standards of Performance for the Rubber Tire Manufacturing Industry                           | 260.543<br>260.547 | 260.544<br>260.545<br>260.546 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FFF | Standards of Performance for Flexible Vinyl and Urethane Coating and Printing                 | 260.583            | 260.584<br>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 | Future Effective Date |
|------|------------------|-----------------------------|--|----------|-----------------------|
|------|------------------|-----------------------------|--|----------|-----------------------|

| Subpart | RULE DESCRIPTION   | Test Method or Rule Section | Monitoring, Records, Reports, Rule Section | Facility | Future Effective Date |
|---------|--|-----------------------------|--|----------|-----------------------|
| N       | Oxygen Process Furnaces                                    |                             |  |          |                       |
| Na      | Oxygen Process Steelmaking Facilities                      |                             |  |          |                       |
| P       | Primary Copper Smelters                                    |                             |  |          |                       |
| Q       | Primary Zinc Smelters                                      |                             |  |          |                       |
| R       | Primary Lead Smelters                                      |                             |  |          |                       |
| S       | Primary Aluminum Reduction Plants                          |                             |  |          |                       |
| T & U   | Phosphate Fertilizer Industry                              |                             |  |          |                       |
| V, W, X | Phosphate Fertilizer Industry                              |                             |  |          |                       |
| Y       | Coal Preparation Plants                                    |                             |  |          |                       |
| Z       | Ferroalloy Production Facilities                           |                             |  |          |                       |
| AA, AaA | Steel Plants   |                             |  |          |                       |
| BB      | Kraft Pulp Mills   |                             |  |          |                       |
| CC      | Glass Manufacturing Plants                                 |                             |  |          |                       |
| HH      | Lime Manufacturing Plants                                  |                             |  |          |                       |
| KK      | Lead-Acid Battery Manufacturing Plants                     |                             |  |          |                       |
| LL      | Metallic Mineral Processing Plants                         |                             |  |          |                       |
| MM      | Automobile and Light-Duty Truck Surface Coating Operations |                             |  |          |                       |
| NN      | Phosphate Rock Plants                                      |                             |  |          |                       |
| PP      | Ammonium Sulfate Manufacture                               |                             |  |          |                       |
| UU      | Asphalt Processing and Asphalt Roofing Manufacture         |                             |  |          |                       |

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

| RULE           | RULE DESCRIPTION  | Test Method or Rule Section | Monitoring, Records, Reports, Rule Section | Facility | Future Effective Date |
|----------------|---|-----------------------------|--|----------|-----------------------|
| 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.   |                             |  |          |                       |
| <b>Subpart</b> |   |                             |  |          |                       |
| HHH            | Synthetic Fiber Production Facilities   |                             |  |          |                       |
| KKK, LLL       | Onshore Natural Gas Processing: VOC Equipment Leaks and SO <sub>2</sub> Emissions.                  |                             |  |          |                       |
| HHH            | Synthetic Fiber Production Facilities   |                             |  |          |                       |
| KKK, LLL       | Onshore Natural Gas Processing: VOC Equipment Leaks and SO <sub>2</sub> Emissions.                  |                             |  |          |                       |
| NNN            | VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.       |                             |  |          |                       |
| OOO            | Standard of Performance for Nonmetallic Mineral Processing Plants                                   |                             |  |          |                       |
| PPP            | Wool Fiberglass Insulation Mfg. Plants  |                             |  |          |                       |
| QQQ            | VOC Emissions from Petroleum Refinery Wastewater Systems.   |                             |  |          |                       |
| RRR            | VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes. |                             |  |          |                       |
| SSS            | Magnetic Tape Coating Facilities  |                             |  |          |                       |
| TTT            | Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.         |                             |  |          |                       |
| UUU            | Calciners and Dryers in Mineral Industries.   |                             |  |          |                       |
| VVV            | Polymeric Coating of Supporting Substances Facilities.  |                             |  |          |                       |
| WWW            | Standards of Performance for Municipal Solid Waste Facilities                                       |                             |  |          |                       |

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

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| VIII           | Stationary Compression Ignition Internal Combustion Engines NSPS   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JJJJ           | Stationary Spark Ignition Internal Combustion Engines NSPS   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>SUBPART</b> | <b>REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)</b>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A              | General Provisions   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                | Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C, D           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| RULE | RULE DESCRIPTION | Test Method or Rule Section | Monitoring, Records, Reports, Rule Section | Facility | Future Effective Date |
|------|------------------|-----------------------------|--|----------|-----------------------|
|------|------------------|-----------------------------|--|----------|-----------------------|

|                |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Subpart</b> | Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E              | Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F              | Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M              |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>SUBPART</b> | <b>NESHAPS (40 CFR 61)</b>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B,Q,R, T,W,    | Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H,I,K          | Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| J,L,Y, BB,FF   | Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

| SUBPART                           | RULE | RULE DESCRIPTION   | Test Method or Rule Section | Monitoring, Records, Reports, Rule Section | Facility |   |   |   |  |  |  |  |  |  |  |  |  | Future Effective Date |
|-----------------------------------|------|--|-----------------------------|--|----------|---|---|---|--|--|--|--|--|--|--|--|--|-----------------------|
|                                   |      |  |                             |  |          | N | O | P |  |  |  |  |  |  |  |  |  |                       |
| N, O, P                           |      | Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.                             |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| V                                 |      | Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service. |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| <b>MACT Standards (40 CFR 63)</b> |      |  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| F, G, H, I                        |      | Amendment: Reopening, Averaging Issue  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| L                                 |      | Coke Ovens   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| O                                 |      | Ethylene Oxide Sterilizers   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| Q                                 |      | Industrial Process Cooling Towers  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| R                                 |      | Gasoline Distribution Facilities   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| <b>Subpart</b>                    |      |  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| T                                 |      | Halogenated Solvent Cleaning Degreasing  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| X                                 |      | Secondary Lead Smelters  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| Y                                 |      | Marine Tank Loading/Unloading  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| CC                                |      | Petroleum Refineries   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| DD                                |      | Off-Site Waste and Recovery Operations   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| EE                                |      | Magnetic Tape  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| GG                                |      | Aerospace (Coatings)   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| II                                |      | Shipbuilding for Ship Repair (Surface Coating)   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| JJ                                |      | Wood Furniture Industry (Coatings)   |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |
| KK                                |      | Printing and Publishing  |                             |  |          |   |   |   |  |  |  |  |  |  |  |  |  |                       |

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

|       |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|
| AAAA  | Municipal Solid Waste Landfills                                      |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| DDDDD | Industrial, Commercial and Institutional Boilers and Process Heaters |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| MMMM  | Surface Coating of Miscellaneous Metal Parts and Products            |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| PPPP  | Surface Coating of Plastic Parts                                     |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| ZZZZ  | Reciprocating Internal Combustion Engines                            |  |  |  |  |  |  |  |  | ✓ |  |  |  |  |  |
| YYYY  | Stationary Combustion Turbines                                       |  |  |  |  |  |  |  |  | ✓ |  |  |  |  |  |

**California Requirements Under 17 CCR Including Airborne**

|                            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                            | <b>Toxic Control Measures (ATCM)</b>  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| §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  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

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

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| B | Servicing of Motor Vehicle Air Conditioners |  |  |  |  |  |  |  |  |  |  |  |  |  | B |
| F | Servicing of Other Air Conditioners         |  |  |  |  |  |  |  |  |  |  |  |  |  | F |

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

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

|  |  |
|--|--|
| <p style="text-align: center;"><b>Company Name</b></p> <p style="text-align: center;">Carlsbad Energy Center LLC</p> <p>Facility Address: 4950 Avenida Encinas, Carlsbad, CA 92008</p> | <p style="text-align: center;"><b>District Use Only</b></p> <p>NEDS # _____</p> <p>SITE ID # _____</p> |
|--|--|

**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/<br>Permit No. | Status of<br>Emission Unit |
|--|----------------------------|----------------------------|
| Emergency diesel generator engine                            | APCD2014-APP-003480        | N                          |
| Emergency fire pump diesel engine                            | APCD2014-APP-003481        | O                          |
| Unit #6, NG-fired simple cycle combustion turbine generator  | APCD2014-APP-003482        | O                          |
| Unit #7, NG-fired simple cycle combustion turbine generator  | APCD2014-APP-003483        | O                          |
| Unit #8, NG-fired simple cycle combustion turbine generator  | APCD2014-APP-003484        | O                          |
| Unit #9, NG-fired simple cycle combustion turbine generator  | APCD2014-APP-003485        | O                          |
| Unit #10, NG-fired simple cycle combustion turbine generator | APCD2014-APP-003486        | O                          |
| Unit #11, NG-fired simple cycle combustion turbine generator | APCD2014-APP-003487        | N                          |
|  |                            |                            |
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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  
Certification Statement (FORM 1401-I)**

|  |                          |
|--|--------------------------|
| <b>Company Name</b><br>Carlsbad Energy Center LLC          | <b>District Use Only</b> |
| Facility Address: 4950 Avenida Encinas, Carlsbad, CA 92008 | NEDS # _____             |
|  | SITE ID # _____          |

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

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

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

05/01/2019  
\_\_\_\_\_  
Date

Paul Mattesich  
\_\_\_\_\_  
Print Name of Responsible Official

(805) 616-5836  
\_\_\_\_\_  
Telephone No. of Responsible Official

Plant Manager  
\_\_\_\_\_  
Title of Responsible Official



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

**TITLE V APPLICATION**  
**Compliance Certification Schedule (FORM 1401-K)**

|   |   |
|---|---|
| <b>Company Name</b><br>Carlsbad Energy Center LLC                 | <b>District Use Only</b><br>NEDS # _____<br>SITE ID # _____ |
| <b>Facility Address:</b> 4950 Avenida Encinas, Carlsbad, CA 92008 |   |

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

| Permit No. | Emission Unit Name                                | Applicable Requirements                                    | Frequency          |
|------------|---|--|--------------------|
| 003480     | Emergency diesel engine generator (not installed) | maintain monthly logs and non-resettable engine hour meter | monthly            |
| 003481     | Emergency fire pump diesel engine                 | maintain monthly logs and non-resettable engine hour meter | monthly            |
| 003482     | Unit #6   | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
| 003483     | Unit #7   | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
| 003484     | Unit #8   | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
| 003485     | Unit #9   | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
| 003486     | Unit #10  | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
| 003487     | Unit #11 (not installed)                          | 2.5 ppmv NOx, 4.0 ppmv CO, 2.0 ppmv VOC, 5.0 ppmv NH3      | 1-clock hour, CEMS |
|            |   |  |                    |
|            |   |  |                    |
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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**

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

|   |                                 |
|---|---------------------------------|
| Company Name<br><b>Carlsbad Energy Center LLC</b>                 | <b>District Use Only</b>        |
| Facility Address: <b>4950 Avenida Encinas, Carlsbad, CA 92008</b> | NEDS # _____<br>SITE ID # _____ |

**SOURCES NOT IN COMPLIANCE**

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

| Permit No. | Emission Unit Name | Applicable Requirements | Compliance Schedule Attachment |
|------------|--------------------|-------------------------|--------------------------------|
| N/A        |                    |                         |                                |
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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**  
**Abatement Devices (FORM 1401-M)**

|  |  |
|--|--|
| <p style="text-align: center;"><b>Company Name</b><br/> <b>Carlsbad Energy Center LLC</b></p> <p>Facility Address: <b>4950 Avenida Envinas, Carlsbad, CA 92008</b></p> | <p style="text-align: center;"><b>District Use Only</b></p> <p>NEDS # _____</p> <p>SITE ID # _____</p> |
|--|--|

**LIST OF ABATEMENT DEVICES**

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

| Permit No(s)        | Abatement Device Name or Description     | Emission Unit(s) or Operation(s) Abated |
|---------------------|--|---|
| APCD2014-APP-003482 | SCR with water injection for NOx control | Unit #6                                 |
| APCD2014-APP-003482 | Oxidation catalyst for CO/VOC control    | Unit #6                                 |
| APCD2014-APP-003483 | SCR with water injection for NOx control | Unit #7                                 |
| APCD2014-APP-003483 | Oxidation catalyst for CO/VOC control    | Unit #7                                 |
| APCD2014-APP-003484 | SCR with water injection for NOx control | Unit #8                                 |
| APCD2014-APP-003484 | Oxidation catalyst for CO/VOC control    | Unit #8                                 |
| APCD2014-APP-003485 | SCR with water injection for NOx control | Unit #9                                 |
| APCD2014-APP-003485 | Oxidation catalyst for CO/VOC control    | Unit #9                                 |
| APCD2014-APP-003486 | SCR with water injection for NOx control | Unit #10                                |
| APCD2014-APP-003487 | Oxidation catalyst for CO/VOC control    | Unit #10                                |
| APCD2014-APP-003487 | SCR with water injection for NOx control | Unit #11 (not installed)                |
| APCD2014-APP-003487 | Oxidation catalyst for CO/VOC control    | Unit #11 (not installed)                |
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San Diego County Air Pollution Control District  
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**TITLE V APPLICATION**  
**Alternative Operating Scenario (FORM 1401-N)**

|   |                                 |
|---|---------------------------------|
| <b>Company Name</b><br>Carlsbad Energy Center LLC         | <b>District Use Only</b>        |
| Facility Address: 4950 Avenida Encina, Carlsbad, CA 92008 | NEDS # _____<br>SITE ID # _____ |

**SCENARIO WITH EMISSION CHANGES**

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

Operating Scenario #     N/A    

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

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

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

**TITLE V APPLICATION**  
**Multiple Applicable Requirements Streamlining (FORM 1401-O)**

|   |                                   |
|---|-----------------------------------|
| Company Name<br><b>Carlsbad Energy Center LLC</b>                 | District Use Only<br>NEDS # _____ |
| Facility Address: <b>4950 Avenida Encinas, Carlsbad, CA 92008</b> | SITE ID # _____                   |

**MULTIPLE APPLICABLE REQUIREMENTS STREAMLINING**  
If more space is required, use additional forms. Please type or print legibly.

| Application No(s)<br>Permit No(s) | Multiple Applicable Requirements | Streamlined Requirements | Attachment Number |
|-----------------------------------|----------------------------------|--------------------------|-------------------|
| N/A                               |                                  |                          |                   |
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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**  
**Permit Shield (FORM 1401-Q)**

|   |   |
|---|---|
| <b>Company Name</b><br><u>Carlsbad Energy Center LLC</u>          | <b>District Use Only</b><br>NEDS # _____<br>SITE ID # _____ |
| Facility Address: <u>4950 Avenida Encinas, Carlsbad, CA 92008</u> |   |

**REQUEST FOR PERMIT SHIELD**

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

| Application No(s)<br>Permit No(s) | Requirements to be Shielded | Basis | Attachment<br>Number |
|-----------------------------------|-----------------------------|-------|----------------------|
| NA                                | NA                          | NA    | NA                   |
|                                   |                             |       |                      |
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