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| Docket Number: | 12-AFC-02C |
| Project Title: | Huntington Beach Energy Project - Compliance |
| TN #: | 212942 |
| Document Title: | HBEP Data Responses Set 1-R2, Data Responses to A4-A6 (Air Quality) |
| Description: | N/A |
| Filer: | Elyse Engel |
| Organization: | CH2M |
| Submitter Role: | Applicant Consultant |
| Submission Date: | 8/25/2016 11:07:35 AM |
| Docketed Date: | 8/25/2016 |

Huntington Beach Energy Project

(12-AFC-02C)

Data Responses, Set 1-R2

(Revised and Updated Responses to Data Requests A4 –
A6 [Air Quality])

Submitted to
California Energy Commission

Prepared by
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With Assistance from

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August 25, 2016

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Introduction

Attached are AES Huntington Beach Energy, LLC's (AES or the Project Owner) revised and updated responses to the California Energy Commission (CEC) Data Request, Set 1 (Air Quality, numbers A4-R2 through A6-R2) regarding the Huntington Beach Energy Project (HBEP) (12-AFC-02C) Petition to Amend (PTA).

The responses are presented in the same order as the CEC presented them and are keyed to the Data Request numbers (A4 through A6). New, revised or updated tables or attachments are numbered in reference to the Data Request number. For example, the first table used in response to Data Request A5 would be numbered Table A5-1. The first attachment used in response to Data Request A4 would be Attachment A4-1, and so on. Tables or attachments from previous Data Request submissions that have been revised have "R1" or "R2" following the original number, indicating revision 1 or 2, respectively.

Air Quality (A4–A6)

CUMULATIVE AIR QUALITY IMPACTS

BACKGROUND

The PTA (Section 5.1.6 and Appendix 5.1F) describes the methodology for the cumulative effects analysis but does not include the analysis because a project list had not been provided by the District at the time the PTA was prepared. The cumulative analysis should include all reasonably foreseeable projects within a 6-mile radius, i.e. the projects that have received construction permits but are not yet operational, and those that are in the permitting process or can be expected to be in permitting in the near future. A complete cumulative impacts analysis should identify all existing and planned stationary sources that affect the baseline conditions and consider them in the modeling effort.

DATA REQUESTS

A4. Please provide a copy of the District's correspondence regarding existing and planned cumulative sources located within six miles of the project site.

Response A4-R2: Please refer to Attachment A4-1R2 for copies of recent correspondence with the South Coast Air Quality Management District (SCAQMD) regarding existing and planned cumulative sources located within six miles of the project site. This attachment has been separately docketed due to file size (Transaction Number [TN] #212880).

A5. Please provide the list of sources to be considered in the cumulative air quality impact analysis.

Response A5-R2: On June 16, 2015, the Project Owner requested an updated list of projects that are within a 6-mile radius of the Amended HBEP and are either currently in the permitting process, undergoing California Environmental Quality Act (CEQA) review, or recently received a Permit to Construct from the SCAQMD. SCAQMD provided information on January 15, 2016 (TN #210620). On January 21, 2016, following review of this information, the Project Owner requested copies of permit applications and source test reports for approximately 30 sources located amongst eight facilities. Per correspondence provided in Attachment A4-1R2 and correspondence previously docketed (TN #210271, #210620, #211425-#211429, #211432-#211434, and #211437), SCAQMD completed providing the requested information on July 21, 2016.

Attachment A5-1R1 presents the Project Owner's evaluation of sources considered for inclusion in the revised cumulative air quality impact analysis. This evaluation summarizes the information provided by SCAQMD and provides recommendations, as follows:

- Table 1 identifies which facilities are within six miles of the project site that emit greater than 5 tons per year (tpy) of a single criteria pollutant.
- Tables 2 through 10 summarize sources, by facility, to be included in the cumulative impacts analysis. The Project Owner removed sources from the assessment if the source applications were for administrative changes only (i.e., no increase in air emissions expected), the permitted sources did not result in an increase in emissions, or the source's emissions were already captured in the ambient background.

Based on this evaluation, an additional 5 new sources and modifications to 3 previously included sources are proposed for inclusion in the cumulative impacts analysis, as follows:

Orange County Sanitation District (Facility ID 17301)

- A new abrasive blasting cabinet. The stack location, stack parameters, and emission rates were taken from Application 568969, which was received from SCAQMD on May 13, 2015.

- The addition of control equipment to three existing digester gas-fueled internal combustion engines (ICEs). Although a modification to reduce emissions is not typically included in a cumulative impacts assessment, emissions from these three sources were previously modeled. As a result, the modeling is being updated to reflect the new permitted emissions from these three sources in place of those previously modeled. The stack locations, stack parameters, and emission rates were taken from Applications 546360, 546361, and 546362, which were received from SCAQMD on May 4, 2016.

Huntington Beach City, Water Department (Facility ID 20231)

- A new natural gas-fired emergency ICE. The stack location, stack parameters (except the stack diameter), and emission rates were taken from Application 561605, which was received from SCAQMD on May 5, 2015. In the absence of permit-specific data, the stack diameter was assumed based on engineering judgment.

Fabrica (Facility ID 95212)

- A new plasma arc cutter. The stack location was taken from Application 572751, which was received from SCAQMD on July 19, 2016. In the absence of permit-specific data, stack parameters were taken from the specification sheet for the Avani Environmental SPC-230 fume extraction unit that was permitted. Emission rates were estimated using The Swedish Institute of Production Engineering Research, as cited in Chapter 12 of AP-42, and the control efficiency provided in the manufacturer specification sheet.
- A new natural gas-fired ICE generator, which is used as part of a cogeneration system with an existing boiler and does not operate as an emergency or standby unit. The source location and oxides of nitrogen and carbon monoxide emission rates were taken from Application 566167 and the facility's Permit to Operate, which were received from SCAQMD on July 19, 2016. In the absence of permit-specific data, particulate matter and sulfur dioxide emissions were estimated using Table 3.2-1 of AP-42 and a fuel sulfur concentration of 0.75 grains per 100 cubic feet, respectively. A default heat content of 1,050 British thermal units per standard cubic foot was used, as appropriate. Since this unit does not operate as an emergency or standby unit, it was conservatively assumed to operate 8,760 hours per year. The stack diameter, exhaust temperature, and exhaust velocity were taken from the specification sheet for a similarly-sized (200 kilowatt) natural gas-fired ICE generator, and the stack height was assumed based on engineering judgment.

So Cal Holding, LLC (Facility ID 169754)

- A new diesel-fueled emergency ICE has been installed at So Cal Holding, LLC's Platform Emmy. The source location, stack height, and emission rates were taken from Permit Application 555370, which was received from SCAQMD on July 2, 2014. In the absence of permit-specific data, the stack exhaust temperature and velocity were taken from the manufacturer's specification sheet for the Cummins QST30-G5 NR2 engine that was permitted, and the stack diameter was assumed based on engineering judgment.

The Project Owner proposes to add the above new and modified sources to the list of cumulative sources previously approved by the CEC (TN #210660). The emission and exhaust parameters for all sources proposed for use in estimating cumulative impacts, including the new and modified sources noted above, are presented in Attachment A5-2R1 for completeness.

A6. Please provide the cumulative modeling and impact analysis, including amended HBEP and other identified existing and planned projects within 6 miles of the amended HBEP site.

Response A6-R2: A cumulative air quality impact analysis will be prepared using the methodology presented in the *Dispersion Modeling Protocol for the Amended Huntington Beach Energy Project* and associated modeling protocol addendum (see Appendix 5.1F of the HBEP PTA). The results of this analysis will be provided within 5 business days of receipt of CEC comments on the source list provided in response to Data Request A5.

**Attachment A4-1R2
Correspondence with SCAQMD Regarding
Cumulative Sources**

**Attachment A4-1R2 has been separately docketed.
Refer to TN #212880 for details.**

Attachment A5-1R1
Evaluation of Potential Sources for the Revised
Cumulative Air Quality Impacts Analysis

Huntington Beach Energy Project
Attachment A5-1R1 Table 1
Screening of Facilities by Distance and Emissions
August 2016

| Facilities within 6 Mile Radius of HBEP | | | | | | | | | | |
|---|--|--------------------------------|----------------|---------------------------------|----------------------------------|------------------|----------------|-------------------|-------------------|--------------------|
| Facility ID | Facility Name (provided by SCAQMD) | Facility within 6 mile radius? | Included (Y/N) | Reason for Exclusion | Location Street Address | Location City | Location State | Location Zip Code | Location UTM East | Location UTM North |
| 3361 | BEHR PROCESS CORP | > 6 miles | N | More than 6 miles from HBEP | 1603 W ALTON AVE | SANTA ANA | CA | 92704 | 417.614 | 3729.466 |
| 3496 | FAIRVIEW DEVELOPMENTAL CENTER | < 4 miles | N | Facility Emissions < 5 tpy | 2501 HARBOR BLVD | COSTA MESA | CA | 92626 | 414.758 | 3725.004 |
| 3550 | PACIFIC LIFE INSURANCE | ~ 6 miles | N | Facility Emissions < 5 tpy | 700 NEWPORT CENTER DR | NEWPORT BEACH | CA | 92660 | 418.589 | 3720.003 |
| 4591 | ORANGE COUNTY WATER DISTRICT | < 4 miles | N | Facility Emissions < 5 tpy | 18700 WARD ST | FOUNTAIN VALLEY | CA | 92708 | 412.37 | 3728.13 |
| 5076 | PIONEER CIRCUITS INC | < 6 miles | N | Facility Emissions < 5 tpy | 3000-10 S SHANNON ST | SANTA ANA | CA | 92704 | 414.444 | 3729.887 |
| 8309 | CAMBRO MANUFACTURING CO | < 3 miles | N | Facility Emissions < 5 tpy | 7601 CLAY AVE | HUNTINGTON BEACH | CA | 92648 | 407.74 | 3727.26 |
| 8408 | OMNI METAL FINISHING INC | < 6 miles | N | Facility Emissions < 5 tpy | 11665 COLEY RIVER CIR | FOUNTAIN VALLEY | CA | 92708 | 414.12 | 3730.415 |
| 11818 | HIXSON METAL FINISHING | < 3 miles | N | Facility Emissions < 5 tpy | 817-853 PRODUCTION PL | NEWPORT BEACH | CA | 92663 | 413.73 | 3721.32 |
| 14523 | PACIFIC BELL, AT&T CALIFORNIA, DBA | > 6 miles | N | More than 6 miles from HBEP | 3220 S BRISTOL ST | SANTA ANA | CA | 92704 | 417.94 | 3729.61 |
| 16025 | SOUNDCAST CO., DIVISION OF GRISWOLD IND. | < 3 miles | N | Facility Emissions < 5 tpy | 1731-41 PLACENTIA AVE | COSTA MESA | CA | 92627 | 413.6 | 3722.2 |
| 16660 | THE BOEING COMPANY | > 6 miles | N | More than 6 miles from HBEP | 5301 BOLSA AVE | HUNTINGTON BEACH | CA | 92647 | 403.98 | 3734.11 |
| 17301 | ORANGE COUNTY SANITATION DISTRICT | < 4 miles | Y | N/A | 10844 ELLIS AVE | FOUNTAIN VALLEY | CA | 92708 | 413.24 | 3728.49 |
| 19097 | SKILL-CRAFT BODY SHOP INC | < 5 miles | N | Facility Emissions < 5 tpy | 17072 GOTHARD ST | HUNTINGTON BEACH | CA | 92647 | 407.327 | 3730.809 |
| 19353 | GOLDEN WEST COLLEGE, COMMUNITY COLLEGE | ~ 6 miles | N | Facility Emissions < 5 tpy | 15744 GOLDEN WEST ST | HUNTINGTON BEACH | CA | 92647 | 406.72 | 3732.898 |
| 20231 | HUNTINGTON BEACH CITY, WATER DEPT | < 3 miles | Y | N/A | 19001-71 HUNTINGTON ST | HUNTINGTON BEACH | CA | 92648 | 407.73 | 3728.75 |
| 21104 | HUNTINGTON BEACH CITY, WATER DEPT | > 6 miles | N | More than 6 miles from HBEP | 14561 SPRINGDALE ST | HUNTINGTON BEACH | CA | 92647 | 405.095 | 3734.853 |
| 23401 | HOOD MFG INC | > 6 miles | N | More than 6 miles from HBEP | 2621 S BIRCH ST | SANTA ANA | CA | 92707 | 419.268 | 3730.367 |
| 24427 | HUNTINGTON BEACH CITY, WATER DEPT | < 6 miles | N | Facility Emissions < 5 tpy | 16221 GOTHARD ST | HUNTINGTON BEACH | CA | 92648 | 407.33 | 3732.13 |
| 29110 | ORANGE COUNTY SANITATION DISTRICT | < 1 mile | Y | N/A | 22212 BROOKHURST ST | HUNTINGTON BEACH | CA | 92646 | 410.92 | 3722.36 |
| 29986 | AUTOMOBILE CLUB OF SO CALIF | < 6 miles | N | Facility Emissions < 5 tpy | 3333 FAIRVIEW RD | COSTA MESA | CA | 92626 | 415.85 | 3728.02 |
| 33395 | HUNTINGTON BEACH CITY | < 3 miles | N | Facility Emissions < 5 tpy | 2000 MAIN ST | HUNTINGTON BEACH | CA | 92648 | 407.149 | 3726.468 |
| 33837 | BODYCOTE THERMAL PROCESSING | > 6 miles | N | More than 6 miles from HBEP | 7474 GARDEN GROVE BLVD | WESTMINSTER | CA | 92683 | 407.465 | 3737.313 |
| 35667 | VERIZON CALIFORNIA INC | > 6 miles | N | More than 6 miles from HBEP | 6802 WESTMINSTER AVE | WESTMINSTER | CA | 92683 | 406.404 | 3735.696 |
| 42775 | WEST NEWPORT OIL CO | < 3 miles | N | Facility Emissions < 5 tpy | 1080 W 17TH ST | COSTA MESA | CA | 92627 | 412.671 | 3722.006 |
| 47211 | B & B ENAMELING INC | < 5 miles | N | Facility Emissions < 5 tpy | 17591 SAMPSON LN | HUNTINGTON BEACH | CA | 92647 | 407.59 | 3729.887 |
| 52201 | VERIZON CALIFORNIA INC | < 3 miles | N | Facility Emissions < 5 tpy | 19111 BUSHARD ST | HUNTINGTON BEACH | CA | 92646 | 410.746 | 3727.442 |
| 53733 | HUNTINGTON BEACH CITY, WATER DEPT | < 6 miles | Y | N/A | 16192 SHER LN | HUNTINGTON BEACH | CA | 92647 | 407.85 | 3732.15 |
| 58591 | ORANGE COAST COLLEGE, COMMUNITY COLLEGE | < 5 miles | N | Facility Emissions < 5 tpy | 2701 FAIRVIEW RD | COSTA MESA | CA | 92626 | 415.85 | 3725.75 |
| 60541 | FOUNTAIN VALLEY REGIONAL HOSP,B HANNA ET | < 6 miles | N | Facility Emissions < 5 tpy | 17100 EUCLID ST | FOUNTAIN VALLEY | CA | 92708 | 413.169 | 3730.815 |
| 68159 | RADISSON HOTEL NEWPORT BEACH | > 6 miles | N | More than 6 miles from HBEP | 4545 MACARTHUR BLVD | NEWPORT BEACH | CA | 92660 | 419.835 | 3725.696 |
| 68458 | IRVINE OFFICE CO, TOWER 4 | > 6 miles | N | More than 6 miles from HBEP | 660 NEWPORT CENTER DR | NEWPORT BEACH | CA | 92660 | 418.9 | 3720.07 |
| 68459 | IRVINE OFFICE CO, C/O INSIGNIA ESG. | > 6 miles | N | More than 6 miles from HBEP | 450-550 NEWPORT CENTER DR | NEWPORT BEACH | CA | 92660 | 418.74 | 3720.07 |
| 71510 | ORANGE, COUNTY OF - JOHN WAYNE AIRPORT | > 6 miles | N | More than 6 miles from HBEP | 18601 AIRPORT WAY | SANTA ANA | CA | 92707 | 420.36 | 3727.07 |
| 80026 | FREY ENVIRONMENTAL INC | Unknown | N | Facility Emissions < 5 tpy | VARIOUS LOCATIONS IN SCAQMD | NEWPORT BEACH | CA | 92663 | 0 | 0 |
| 80066 | LAIRD COATINGS CORPORATION | > 6 miles | N | More than 6 miles from HBEP | 15541 COMMERCE LN | HUNTINGTON BEACH | CA | 92649 | 404.463 | 3733.207 |
| 80246 | SEGERSTROM CENTER FOR THE ARTS | > 6 miles | N | More than 6 miles from HBEP | 600 TOWN CENTER | COSTA MESA | CA | 92626 | 418.42 | 3727.93 |
| 81767 | BEHR PROCESS CORP | < 6 miles | N | Facility Emissions < 5 tpy | 3400 W GARRY AVE | SANTA ANA | CA | 92704 | 415.18 | 3729.71 |
| 86987 | MARRIOTT CORP,COSTA MESA MARRIOTT SUITES | > 6 miles | N | More than 6 miles from HBEP | 500 ANTON BLVD | COSTA MESA | CA | 92626 | 418.485 | 3727.962 |
| 88442 | 600 ANTON BLV ASSOC,SO COAST PLZ TWN CTR | > 6 miles | N | More than 6 miles from HBEP | 600 ANTON BLVD | COSTA MESA | CA | 92626 | 418.31 | 3727.964 |
| 89400 | FOUNTAIN VALLEY BODY WORKS INC | < 6 miles | N | Facility Emissions < 5 tpy | 17481 NEWHOPE ST | FOUNTAIN VALLEY | CA | 92708 | 413.923 | 3729.812 |
| 94967 | MESA WATER DISTRICT | < 5 miles | Y | N/A | 3596 CADILLAC AVE | COSTA MESA | CA | 92626 | 413.88 | 3729.13 |
| 95067 | MESA WATER DISTRICT | < 3 miles | N | Facility Emissions < 5 tpy | 1971 PLACENTIA AVE | COSTA MESA | CA | 92627 | 413.57 | 3723.1 |
| 95212 | FABRICA | < 6 miles | Y | N/A | 3201 S SUSAN ST | SANTA ANA | CA | 92704 | 415.49 | 3729.48 |
| 95535 | HUNTINGTON BEACH CITY, WATER DIVISION | < 5 miles | N | Facility Emissions < 5 tpy | 8851 WARNER AVE | HUNTINGTON BEACH | CA | 92647 | 409.69 | 3730.89 |
| 98334 | SANTA ANA UNI SCH DIST, LATHROP INTERMED | > 6 miles | N | More than 6 miles from HBEP | 1111 S BROADWAY | SANTA ANA | CA | 92707 | 419.419 | 3732.846 |
| 98380 | MESA WATER DISTRICT | < 5 miles | Y | N/A | 2340 ORANGE AVE | COSTA MESA | CA | 92627 | 416.46 | 3723.89 |
| 103083 | SOUTHERN CALIFORNIA BOILER INC | Unknown | N | Facility Emissions < 5 tpy | VARIOUS LOCATIONS IN SCAQMD | HUNTINGTON BEACH | CA | 92649 | 0 | 0 |
| 103167 | THE GAFFOGLIO FAMILY METAL CRAFTERS INC | < 6 miles | N | Facility Emissions < 5 tpy | 11161 SLATER AVE | FOUNTAIN VALLEY | CA | 92708 | 413.228 | 3730.104 |
| 107553 | JOHN A THOMAS | < 4 miles | N | Facility Emissions < 5 tpy | W ELLIS/EDWARDS ST (BOLSA LEASE) | HUNTINGTON BEACH | CA | 92648 | 0 | 0 |
| 107891 | ORANGE COAST MEMORIAL MEDICAL CENTER | < 5 miles | N | Facility Emissions < 5 tpy | 9900-40 TALBERT AVE | FOUNTAIN VALLEY | CA | 92708 | 413.38 | 3729.31 |
| 111110 | BRISTOL FIBERLITE INDUSTRIES, INC | > 6 miles | N | More than 6 miles from HBEP | 401 E GOETZ AVE | SANTA ANA | CA | 92707 | 420.006 | 3730.306 |
| 112292 | FLETCHER JONES MOTORCARS | > 6 miles | N | More than 6 miles from HBEP | 3300 JAMBOREE RD | NEWPORT BEACH | CA | 92707 | 419.645 | 3723.328 |
| 113160 | HILTON COSTA MESA | ~ 6 miles | N | Facility Emissions < 5 tpy | 3050 BRISTOL ST | COSTA MESA | CA | 92626 | 417.91 | 3727.11 |
| 113318 | SIGNATURE COMBS INC. | > 6 miles | N | More than 6 miles from HBEP | 19301 CAMPUS DR STE 100 | SANTA ANA | CA | 92707 | 419.43 | 3725.54 |
| 115389 | AES HUNTINGTON BEACH, LLC | 0 miles | N | Preparing PTA for this Facility | 21730 NEWLAND ST | HUNTINGTON BEACH | CA | 92646 | 409.16 | 3723.23 |
| 120651 | HUNTINGTON BEACH HOSPITAL | < 5 miles | N | Facility Emissions < 5 tpy | 17772 BEACH BLVD | HUNTINGTON BEACH | CA | 92647 | 408.337 | 3729.622 |
| 125300 | CITY OF HUNTINGTON BEACH- WATER OPER. | < 4 miles | N | Facility Emissions < 5 tpy | 6401 OVERLOOK DR | HUNTINGTON BEACH | CA | 92648 | 405.81 | 3728.25 |
| 127513 | ONLY CREMATIONS FOR PETS, INC | > 6 miles | N | More than 6 miles from HBEP | 4263 BIRCH ST | NEWPORT BEACH | CA | 92660 | 419.559 | 3725.382 |
| 127592 | TOYOTA RACING DEVELOPMENT | > 6 miles | N | More than 6 miles from HBEP | 335 E BAKER ST | COSTA MESA | CA | 92626 | 418.692 | 3726.664 |
| 127790 | BEHR PROCESS CORP, BEHR YALE FACILITY | < 6 miles | N | Facility Emissions < 5 tpy | 3500 W SEGERSTROM AVE | SANTA ANA | CA | 92704 | 415.06 | 3730.037 |
| 129416 | WESTIN SOUTH COAST PLAZA | > 6 miles | N | More than 6 miles from HBEP | 686 ANTON BLVD | COSTA MESA | CA | 92626 | 417.98 | 3727.97 |
| 130223 | CALIBER BODY WORKS INC | < 6 miles | N | Facility Emissions < 5 tpy | 11528 MARTENS RIVER CIR | FOUNTAIN VALLEY | CA | 92708 | 414 | 3730.22 |
| 131732 | NEWPORT FAB, LLC | > 6 miles | N | More than 6 miles from HBEP | 4321 JAMBOREE RD | NEWPORT BEACH | CA | 92660 | 419.622 | 3723.813 |
| 136183 | ORANGE COUNTY TRANSPORTATION AUTHORITY | < 6 miles | N | Facility Emissions < 5 tpy | 4301 W MACARTHUR BLVD | SANTA ANA | CA | 92704 | 0 | 0 |
| 136381 | ECOTECH ENVIRONMENTAL, CORPORATION | Unknown | N | Facility Emissions < 5 tpy | VARIOUS LOCATIONS IN SCAQMD | FOUNTAIN VALLEY | CA | 92708 | 0 | 0 |
| 142065 | SEGERSTROM CENTER FOR THE ARTS | > 6 miles | N | More than 6 miles from HBEP | 615 TOWN CENTER DR | COSTA MESA | CA | 92626 | 0 | 0 |
| 142592 | THE FIRST AMERICAN CORPORATION | > 6 miles | N | More than 6 miles from HBEP | 9 FIRST AMERICAN WAY | SANTA ANA | CA | 92707 | 0 | 0 |
| 143700 | MIREF I, LLC | > 6 miles | N | More than 6 miles from HBEP | 1500 QUAIL ST | NEWPORT BEACH | CA | 92660 | 419.48 | 3724.69 |

Huntington Beach Energy Project
Attachment A5-1R1 Table 1
Screening of Facilities by Distance and Emissions
August 2016

| Facilities within 6 Mile Radius of HBEP | | | | | | | | | | |
|---|--|--------------------------------|----------------|-----------------------------|------------------------------------|------------------|----------------|-------------------|-------------------|--------------------|
| Facility ID | Facility Name (provided by SCAQMD) | Facility within 6 mile radius? | Included (Y/N) | Reason for Exclusion | Location Street Address | Location City | Location State | Location Zip Code | Location UTM East | Location UTM North |
| 143741 | DCOR LLC | < 4 miles | N | Facility Emissions < 5 tpy | OFFSHORE PLATFORM EDITH OCS P-0296 | HUNTINGTON BEACH | CA | 92649 | 403.56 | 3724.74 |
| 147434 | FAIRMONT NEWPORT BEACH | > 6 miles | N | More than 6 miles from HBEP | 4500 MACARTHUR BLVD | NEWPORT BEACH | CA | 92660 | 419.855 | 3725.619 |
| 148034 | THE ISLAND HOTEL | > 6 miles | N | More than 6 miles from HBEP | 690 NEWPORT CENTER DR | NEWPORT BEACH | CA | 92660 | 418.76 | 3720.1 |
| 155585 | DOUBLETREE HOTEL | > 6 miles | N | More than 6 miles from HBEP | 201 E MACARTHUR BLVD | SANTA ANA | CA | 92707 | 419.77 | 3729.05 |
| 159607 | TIAA - CREF - 3 HUTTON CENTRE | > 6 miles | N | More than 6 miles from HBEP | 3 HUTTON CENTRE DR | SANTA ANA | CA | 92707 | 419.78 | 3729.02 |
| 163996 | HARBOR JUSTICE CTR, NEWPORT BCH, JCC AOC | > 6 miles | N | More than 6 miles from HBEP | 4601 JAMBOREE RD | NEWPORT BEACH | CA | 92660 | 420.63 | 3725.07 |
| 166073 | BETA OFFSHORE | > 6 miles | N | More than 6 miles from HBEP | OCS LEASE PARCELS P300/P301 | HUNTINGTON BEACH | CA | 92648 | 395.21 | 3725.82 |
| 167066 | ARLON GRAPHICS L.L.C. | < 6 miles | N | Facility Emissions < 5 tpy | 2811 S HARBOR BLVD | SANTA ANA | CA | 92704 | 414.79 | 3716.44 |
| 169754 | SO CAL HOLDING, LLC | < 3 miles | Y | N/A | 20101 GOLDENWEST ST | HUNTINGTON BEACH | CA | 92648 | 406.22 | 3726.28 |
| 169961 | IRVINE COMPANY | > 6 miles | N | More than 6 miles from HBEP | 650 NEWPORT CENTER DR | NEWPORT BEACH | CA | 92660 | 418.94 | 3720.05 |
| 173582 | CERADYNE, INC. 3M COMPANY | > 6 miles | N | More than 6 miles from HBEP | 3163-69 RED HILL AVE | COSTA MESA | CA | 92626 | 419.64 | 3727.58 |
| 177008 | HARBOR DISTRIBUTION, LLC | > 6 miles | N | More than 6 miles from HBEP | 5901 BOLSA AVE | HUNTINGTON BEACH | CA | 92647 | 404.97 | 3734.11 |
| 177077 | BRE/OC GRIFFIN L.L.C. | > 6 miles | N | More than 6 miles from HBEP | 5 & 6 HUTTON CENTER DR | SANTA ANA | CA | 92707 | 0 | 0 |
| 177515 | GE POWER AND WATER | > 6 miles | N | More than 6 miles from HBEP | 150 BAKER E ST SUITE 100 | COSTA MESA | CA | 92626 | 0 | 0 |
| 180663 | USPF V 1301 DOVE, LP | > 6 miles | N | More than 6 miles from HBEP | 1301 DOVE ST SUITE 370 | NEWPORT BEACH | CA | 92660 | 419.74 | 3724.84 |
| 800318 | GRISWOLD INDUSTRIES | < 3 miles | N | Facility Emissions < 5 tpy | 1701-41 PLACENTIA AVE | COSTA MESA | CA | 92627 | 413.56 | 3722.003 |
| 800389 | SANMINA CORPORATION | ~ 6 miles | N | Facility Emissions < 5 tpy | 2950 RED HILL AVE | COSTA MESA | CA | 92626 | 418.434 | 3725.588 |
| 148232 | CHEVRON ENVIRONMENTAL MANAGEMENT CO | < 4 miles | N | Facility Emissions < 5 tpy | 18501 BEACH BLVD | HUNTINGTON BEACH | CA | 92648 | 408336.3 | 3728656.48 |
| 168160 | YAKULT U.S.A., INC. | < 6 miles | N | Facility Emissions < 5 tpy | 17235 NEWHOPE ST | FOUNTAIN VALLEY | CA | 92708 | 413972.5 | 3730794.29 |
| 800302 | CHEVRON PRODUCTS COMPANY | < 5 miles | N | Facility Emissions < 5 tpy | 17881 GOTHARD ST | HUNTINGTON BEACH | CA | 92647 | 407333.1 | 3729686.71 |
| 800419 | PLAINS WEST COAST TERMINALS LLC | < 1 mile | N | Facility Emissions < 5 tpy | 21652 NEWLAND ST | HUNTINGTON BEACH | CA | 92646 | 409170.5 | 3723610.34 |
| 14146 | MAC GREGOR YACHT CORP | < 3 miles | N | Facility Emissions < 5 tpy | 1631 & 1647 PLACENTIA AVE | COSTA MESA | CA | 92627 | 413.559 | 3721.74 |
| 94938 | FOUNTAIN VALLEY CITY, PUBLIC WORKS DEPT | < 5 miles | N | Facility Emissions < 5 tpy | 18460 EUCLID ST | FOUNTAIN VALLEY | CA | 92708 | 413.36 | 3728.779 |
| 111945 | GOGLANIAN BAKERIES, INC. | < 6 miles | N | Facility Emissions < 5 tpy | 3401 W SEGERSTROM AVE | SANTA ANA | CA | 92704 | 0 | 0 |
| 172696 | CYTEC ENGINEERED MATERIALS, INC | < 3 miles | N | Facility Emissions < 5 tpy | 851 W 18TH ST | COSTA MESA | CA | 92627 | 0 | 0 |

Notes:

If facility emission were not available in the SCAQMD FIND Database, it was assumed the facility emitted less than the reportable quantities of CO, NOx, SOx, and TSP.

Facility UTM coordinates were changed to be consistent with the location of the emission sources, which are at an offshore location that differs from the location in the SCAQMD database.

Facilities were added to be consistent with previous Public Records Requests regarding facilities located within 6 miles of HBEP.

Huntington Beach Energy Project
Attachment A5-1R1 Table 1
Screening of Facilities by Distance and Emissions
August 2016

| Facility ID | Facility Name (provided by SCAQMD) | Facility Data from SCAQMD (tpy) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|---------------------------------|-------|-------|-------|--------------------|-------|-------|-------|--------------------|---------|-------|-------|--------------------|---------|-------|-------|--------------------|-------|-------|-------|--------------------|-----|-----|-----|--------------------|--|--|--|
| | | 2009 | | | | 2010 | | | | 2011 | | | | 2012 | | | | 2013 | | | | 2014 | | | | 2015 | | | |
| | | CO | NOX | SOX | TSP | CO | NOX | SOX | TSP | CO | NOX | SOX | TSP | CO | NOX | SOX | TSP | CO | NOX | SOX | TSP | CO | NOX | SOX | TSP | | | | |
| 143741 | DCOR LLC | 0.51 | 2.647 | 0.017 | 0.127 | 0.726 | 2.859 | 0.022 | 0.176 | Data not available | | | | Data not available | | | | 0.962 | 3.971 | 0.009 | 0.257 | Data not available | | | | Data not available | | | |
| 147434 | FAIRMONT NEWPORT BEACH | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148034 | THE ISLAND HOTEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 155585 | DOUBLETREE HOTEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 159607 | TIAA - CREF - 3 HUTTON CENTRE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 163996 | HARBOR JUSTICE CTR, NEWPORT BCH, JCC AOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 166073 | BETA OFFSHORE | Data not available | | | | Data not available | | | | 23.686 | 197.094 | 0.073 | 4.522 | 26.198 | 219.597 | 0.104 | 5.777 | Data not available | | | | Data not available | | | | Data not available | | | |
| 167066 | ARLON GRAPHICS L.L.C. | Data not available | | | | Data not available | | | | 0.461 | 0 | 0.007 | 0.093 | 0.385 | 1.393 | 0.006 | 0.077 | 0.506 | 0 | 0.008 | 0.106 | Data not available | | | | Data not available | | | |
| 169754 | SO CAL HOLDING, LLC | Data not available | | | | Data not available | | | | 0.576 | 1.205 | 0.082 | 0.114 | 2.012 | 4.195 | 0.03 | 0.428 | 2.6 | 6.359 | 0.037 | 0.49 | Data not available | | | | Data not available | | | |
| 169961 | IRVINE COMPANY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 173582 | CERADYNE, INC. 3M COMPANY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177008 | HARBOR DISTRIBUTION, LLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177077 | BRE/OC GRIFFIN L.L.C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177515 | GE POWER AND WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180663 | USPF V 1301 DOVE, LP | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800318 | GRISWOLD INDUSTRIES | 0.323 | 0.861 | 0.004 | 0.342 | 0.264 | 0.98 | 0.005 | 0.731 | 0.594 | 1.825 | 0.008 | 0.969 | 0.651 | 2.018 | 0.009 | 0.828 | 0.513 | 1.837 | 0.008 | 0.769 | Data not available | | | | Data not available | | | |
| 800389 | SANMINA CORPORATION | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |
| 148232 | CHEVRON ENVIRONMENTAL MANAGEMENT CO | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |
| 168160 | YAKULT U.S.A., INC. | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |
| 800302 | CHEVRON PRODUCTS COMPANY | 1.337 | 1.902 | 0.029 | 0.286 | 1.495 | 2.127 | 0.034 | 0.32 | 1.335 | 1.9 | 0.031 | 0.286 | 1.207 | 1.717 | 0.02 | 0.258 | 1.54 | 2.24 | 0.036 | 0.329 | Data not available | | | | Data not available | | | |
| 800419 | PLAINS WEST COAST TERMINALS LLC | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |
| 14146 | MAC GREGOR YACHT CORP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Data not available | | | | Data not available | | | |
| 94938 | FOUNTAIN VALLEY CITY, PUBLIC WORKS DEPT | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |
| 111945 | GOGLANIAN BAKERIES, INC. | 1.538 | 2.803 | 0.019 | 0.25 | 1.886 | 3.397 | 0.025 | 0.318 | 1.881 | 1.616 | 0.025 | 0.318 | 1.568 | 1.369 | 0.021 | 0.263 | 1.484 | 2.715 | 0.019 | 0.373 | Data not available | | | | Data not available | | | |
| 172696 | CYTEC ENGINEERED MATERIALS, INC | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | Data not available | | | | | | | |

Notes:

If facility emission were not available in the SCAQMD FIND Database, it was assumed the facility emitted less than the reportable quantities of CO, NOx, SOx, and TSP.

Facility UTM coordinates were changed to be consistent with the location of the emission sources, which are at an offshore location that differs from the location in the SCAQMD database.

Facilities were added to be consistent with previous Public Records Requests regarding facilities located within 6 miles of HBEP.

Huntington Beach Energy Project
Attachment A5-1R1 Table 2
Source List for Facility ID 17301
August 2016

| Facility Name: Orange County Sanitation District | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|---|---|--|------------------------------|--|--|
| Address: 10844 Ellis Avenue, Fountain Valley, CA 92708 | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | |
| Control #: 84574 | | | | | | | | | | | | | |
| Miles from HBEP: < 4 miles | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis | |
| 573478 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 3/20/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | | |
| 571379 | | | | Basic | ERC ALTERATION | 1/13/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | | |
| 568969 | G35620 | 5/13/2015 | ACTIVE | Basic | BRASIVE BLASTING (CABINET/MACHINE/ROOM | 10/9/2014 | PERMIT TO OPERATE GRANTED | Yes | Permit to Operate without prior Permit to Construct | Yes | Yes | Abrasive blasting cabinet located in the Rebuild Shop at the facility. This is a new source and will be included in the cumulative analysis. | |
| 568970 | | | | Basic | Title V Permit Revision | 10/9/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | De Minimis Significant Permit Revision | | | | |
| 565934 | | | | Control | ODOR CONTROL UNIT | 6/25/2014 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | | |
| 565933 | | | | Basic | Title V Permit Revision | 6/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | Yes | Minor Permit Revision | Yes | No | Revision for 565934, whose emissions are not being used in this calculation. | |
| 563042 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 4/3/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | | |
| 559225 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | | |
| 559226 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | | |
| 559227 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | | |
| 559061 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | | |
| 559062 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | | |
| 559063 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | | |
| 557227 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | No | Source does not emit applicable emissions | | | | |
| 557228 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | No | Source does not emit applicable emissions | | | | |
| 554225 | | | | Basic | TITLE V PERMIT RENEWAL APPLICATION | 7/16/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Title V Permit Renewal Application | | | | |
| 546360 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | Yes | Addition of control equipment (CatOX and SCR) on the digester gas system units. These sources were previously included in the cumulative modeling. Emissions and stack parameters will be modified to match the new permit limits. | |
| 546361 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | Yes | Addition of control equipment (CatOX and SCR) on the digester gas system units. These sources were previously included in the cumulative modeling. Emissions and stack parameters will be modified to match the new permit limits. | |
| 546362 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | Yes | Addition of control equipment (CatOX and SCR) on the digester gas system units. These sources were previously included in the cumulative modeling. Emissions and stack parameters will be modified to match the new permit limits. | |

Notes:

All permit applications dated 2/1/2012 and before were analyzed in the previous cumulative source analysis.

N/A = Not applicable (i.e., pollutant not expected to be emitted by source)

Huntington Beach Energy Project
Attachment A5-1R1 Table 2
Source List for Facility ID 17301
August 2016

| Facility Name: Orange County Sanitation District | | | | | | | | Source Information | | | | | | Stack Parameters | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|-------------------------|---|-------------|------------|------------------|------------------|------------------|---------------|------------------|-----------------|
| Address: 10844 Ellis Avenue, Fountain Valley, CA 92708 | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | |
| Control #: 84574 | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 4 miles | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Make | Source Model | Source Size | Size Units | Location UTM (X) | Location UTM (Y) | Height (ft) | Diameter (ft) | Temperature (°F) | Velocity (ft/s) |
| 573478 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 3/20/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 571379 | | | | Basic | ERC ALTERATION | 1/13/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 568969 | G35620 | 5/13/2015 | ACTIVE | Basic | BRASIVE BLASTING (CABINET/MACHINE/ROOM | 10/9/2014 | PERMIT TO OPERATE GRANTED | Media Blast & Abrasives | PowerPeen6060 Abrasive blasting cabinet | 2 | HP | 412608 | 3728568 | 30.0 | 1.66 | Ambient | 8.92 |
| 568970 | | | | Basic | Title V Permit Revision | 10/9/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 565934 | | | | Control | ODOR CONTROL UNIT | 6/25/2014 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 565933 | | | | Basic | Title V Permit Revision | 6/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 563042 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 4/3/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 559225 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 559226 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 559227 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 559061 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | |
| 559062 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | |
| 559063 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | |
| 557227 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 557228 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | |
| 554225 | | | | Basic | TITLE V PERMIT RENEWAL APPLICATION | 7/16/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 546360 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Cooper Bessmer | LSVB-12-SGC | 3,471 | HP | 412725 | 3728250 | 62.0 | 2.50 | 500 | 72.1 |
| 546361 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Cooper Bessmer | LSVB-12-SGC | 3,471 | HP | 412725 | 3728250 | 62.0 | 2.50 | 500 | 72.1 |
| 546362 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Cooper Bessmer | LSVB-12-SGC | 3,471 | HP | 412725 | 3728250 | 62.0 | 2.50 | 500 | 72.1 |

Notes:
All permit applications dated 2/1/2012 and before were analyzed in the previous cumulative source analysis.
N/A = Not applicable (i.e., pollutant not expected to be emitted by source)

Huntington Beach Energy Project
Attachment A5-1R1 Table 2
Source List for Facility ID 17301
August 2016

| Facility Name: Orange County Sanitation District | | | | | | | | Short Term Emissions (lb/hr) | | | | | | | | Annual Emissions (lb/yr) | | | Annual Emissions (tpy) | | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|------------------------------|---------|---------|----------------------|----------------------|-----------------------|------------------------|-------------------------|--------------------------|------------------|-------------------|------------------------|------|-----------------|----------------------|--|
| Address: 10844 Ellis Avenue, Fountain Valley, CA 92708 | | | | | | | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | | | | | | | |
| Control #: 84574 | | | | | | | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 4 miles | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | NOx | 1-hr CO | 8-hr CO | 1-hr SO ₂ | 3-hr SO ₂ | 24-hr SO ₂ | 24-hr PM ₁₀ | 24-hr PM _{2.5} | NOx | PM ₁₀ | PM _{2.5} | NOx | CO | SO ₂ | PM _{10/2.5} | |
| 573478 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 3/20/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 571379 | | | | Basic | ERC ALTERATION | 1/13/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 568969 | G35620 | 5/13/2015 | ACTIVE | Basic | BRASIVE BLASTING (CABINET/MACHINE/ROOM | 10/9/2014 | PERMIT TO OPERATE GRANTED | N/A | N/A | N/A | N/A | N/A | N/A | 0.013 | 0.013 | N/A | 7.31 | 7.31 | N/A | N/A | N/A | 0.0037 | |
| 568970 | | | | Basic | Title V Permit Revision | 10/9/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 565934 | | | | Control | ODOR CONTROL UNIT | 6/25/2014 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 565933 | | | | Basic | Title V Permit Revision | 6/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 563042 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 4/3/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 559225 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 559226 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 559227 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 559061 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | | | | | | | |
| 559062 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | | | | | | | |
| 559063 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | | | | | | | | | | | | | | | | |
| 557227 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 557228 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | | | | | | | | | | | | | | | | |
| 554225 | | | | Basic | TITLE V PERMIT RENEWAL APPLICATION | 7/16/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 546360 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | 0.50 | 0.47 | 0.47 | 0.016 | 0.016 | 0.016 | 0.053 | 0.053 | 4,344 | 467 | 467 | 2.17 | 2.04 | 0.069 | 0.23 | |
| 546361 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | 0.50 | 0.47 | 0.47 | 0.016 | 0.016 | 0.016 | 0.053 | 0.053 | 4,344 | 467 | 467 | 2.17 | 2.04 | 0.069 | 0.23 | |
| 546362 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | 0.50 | 0.47 | 0.47 | 0.016 | 0.016 | 0.016 | 0.053 | 0.053 | 4,344 | 467 | 467 | 2.17 | 2.04 | 0.069 | 0.23 | |

Notes:
All permit applications dated 2/1/2012 and before were analyzed in the previous cumulative source analysis.
N/A = Not applicable (i.e., pollutant not expected to be emitted by source)

Huntington Beach Energy Project
Attachment A5-1R1 Table 3
Source List for Facility ID 20231
August 2016

| Facility Name: Huntington Beach City, Water Dept. Address: 19001-71 Huntington Street, Huntington Beach, CA 92648 FIND Date: 1/15/2016 Control #: 84575 Miles from HBEP: < 3 miles | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|---|---|--|------------------------------|--|
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 562829 | G31423 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562831 | G31424 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562833 | G31425 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562838 | G31426 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562839 | G31427 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562840 | G31428 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 562836 | G31643 | 6/20/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 561605 | G35553 | 5/5/2015 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/11/2014 | PERMIT TO OPERATE GRANTED | Yes | Alteration / Modification | Yes | Yes | New 585 hp engine was installed in 2012 and operated without a permit. |
| 504178 | G7139 | 1/29/2010 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | No | Change of Condition / Administrative Action | | | |
| 504176 | G7137 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | No | Inactive | | | |
| 504177 | G7138 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | No | Inactive | | | |
| 504179 | G7140 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | No | Inactive | | | |
| 487867 | N22711 | 10/23/2008 | ACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 9/2/2008 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 485841 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 7/30/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |
| 456928 | | | | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 5/11/2006 | APPLICATION CANCELLED | No | Prior to 01/01/2009 | | | |
| 448286 | N17970 | 9/13/2005 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 8/17/2005 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 435451 | F88192 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 435450 | F88193 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 347989 | N8809 | 1/31/2001 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 12/1/1998 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 278628 | | | | Basic | RULE 1110.2 EMISSION CONTROL PLAN | 2/22/1993 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |
| 240392 | D47225 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/29/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 240391 | D47226 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/28/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 238900 | D66869 | 12/14/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 238901 | D67663 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 238903 | D67664 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 221328 | D51213 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 221339 | D51219 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Control | VAPOR RECOVERY UNIT COMPRESS & CONDENSE | 1/24/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 3
Source List for Facility ID 20231
August 2016

| Facility Name: Huntington Beach City, Water Dept. | | | | | | | | Source Information | | | | | | Stack Parameters | | | |
|---|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|--------------------|--------------|-------------|------------|------------------|------------------|------------------|---------------|------------------|-----------------|
| Address: 19001-71 Huntington Street, Huntington Beach, CA 92648 | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | |
| Control #: 84575 | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 3 miles | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Make | Source Model | Source Size | Size Units | Location UTM (X) | Location UTM (Y) | Height (ft) | Diameter (ft) | Temperature (°F) | Velocity (ft/s) |
| 562829 | G31423 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562831 | G31424 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562833 | G31425 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562838 | G31426 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562839 | G31427 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562840 | G31428 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 562836 | G31643 | 6/20/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 561605 | G35553 | 5/5/2015 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/11/2014 | PERMIT TO OPERATE GRANTED | Waukesha | H24GSID | 585 | BHP | 407680 | 3727679 | 15.0 | 0.67 | 1,116 | 49.7 |
| 504178 | G7139 | 1/29/2010 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 504176 | G7137 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 504177 | G7138 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 504179 | G7140 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 487867 | N22711 | 10/23/2008 | ACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 9/2/2008 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 485841 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 7/30/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 456928 | | | | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 5/11/2006 | APPLICATION CANCELLED | | | | | | | | | | |
| 448286 | N17970 | 9/13/2005 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 8/17/2005 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 435451 | F88192 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 435450 | F88193 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 347989 | N8809 | 1/31/2001 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 12/1/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 278628 | | | | Basic | RULE 1110.2 EMISSION CONTROL PLAN | 2/22/1993 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 240392 | D47225 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/29/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 240391 | D47226 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 238900 | D66869 | 12/14/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 238901 | D67663 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 238903 | D67664 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 221328 | D51213 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 221339 | D51219 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Control | VAPOR RECOVERY UNIT COMPRESS & CONDENSE | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 3
Source List for Facility ID 20231
August 2016

| Facility Name: Huntington Beach City, Water Dept. | | | | | | | | Short Term Emissions (lb/hr) | | | | | | | | Annual Emissions (lb/yr) | | | Annual Emissions (tpy) | | | | |
|---|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|------------------------------|---------|---------|----------------------|----------------------|-----------------------|------------------------|-------------------------|--------------------------|------------------|-------------------|------------------------|-------|-----------------|----------------------|--|
| Address: 19001-71 Huntington Street, Huntington Beach, CA 92648 | | | | | | | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | | | | | | | |
| Control #: 84575 | | | | | | | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 3 miles | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | NOx | 1-hr CO | 8-hr CO | 1-hr SO ₂ | 3-hr SO ₂ | 24-hr SO ₂ | 24-hr PM ₁₀ | 24-hr PM _{2.5} | NOx | PM ₁₀ | PM _{2.5} | NOx | CO | SO ₂ | PM _{10/2.5} | |
| 562829 | G31423 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562831 | G31424 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562833 | G31425 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562838 | G31426 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562839 | G31427 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562840 | G31428 | 6/6/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 562836 | G31643 | 6/20/2014 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/27/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 561605 | G35553 | 5/5/2015 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 3/11/2014 | PERMIT TO OPERATE GRANTED | 1.93 | 2.58 | 0.32 | 0 | 0 | 0 | 0.0025 | 0.0025 | 98.7 | 2.84 | 2.84 | 0.049 | 0.066 | 0 | 0.0014 | |
| 504178 | G7139 | 1/29/2010 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 504176 | G7137 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 504177 | G7138 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 504179 | G7140 | 1/29/2010 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 12/3/2009 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 487867 | N22711 | 10/23/2008 | ACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 9/2/2008 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 485841 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 7/30/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 456928 | | | | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 5/11/2006 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 448286 | N17970 | 9/13/2005 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 8/17/2005 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 435451 | F88192 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 435450 | F88193 | 3/7/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/16/2004 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 347989 | N8809 | 1/31/2001 | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 12/1/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281005 | D74527 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281006 | D74528 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281016 | D74529 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281021 | D74530 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281023 | D74531 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281024 | D74532 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281025 | D74533 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 281026 | D74534 | 6/23/1993 | INACTIVE | Control | NON-CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 278628 | | | | Basic | RULE 1110.2 EMISSION CONTROL PLAN | 2/22/1993 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 240392 | D47225 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/29/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 240391 | D47226 | 1/24/1992 | INACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 238900 | D66869 | 12/14/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 238901 | D67663 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 238903 | D67664 | 12/31/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/28/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 221328 | D51213 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 221339 | D51219 | 4/16/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 221327 | D51212 | 4/16/1992 | INACTIVE | Control | VAPOR RECOVERY UNIT COMPRESS & CONDENSE | 1/24/1990 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 4
Source List for Facility ID 29110
August 2016

| Facility Name: Orange County Sanitation District | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|--|---------------|--------------------|---------------|----------------|---|------------------|--|---|---|--|------------------------------|--|
| Address: 22212 Brookhurst Street, Huntington Beach, CA 92646 | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | |
| Control #: 84576 | | | | | | | | | | | | |
| Miles from HBEP: < 1 mile | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 577621 | | | | Basic | ERC ALTERATION | 8/19/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 570972 | | | | Control | ODOR CONTROL UNIT | 12/31/2014 | ASSIGNED TO ENGINEER - CLASS I | No | Emission Control Technology | | | |
| 570971 | | | | Basic | Title V Permit Revision | 12/31/2014 | ASSIGNED TO ENGINEER - CLASS III | No | De Minimis Significant Permit Revision | | | |
| 565930 | | | | Control | ODOR CONTROL UNIT | 6/25/2014 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 565929 | | | | Basic | Title V Permit Revision | 6/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | Yes | Minor Permit Revision | Yes | No | Permit revision for 565930, based on the addition of new scrubbers. No emissions increase expected. |
| 563064 | | | | Basic | RULE 1415.1 PLAN NOTIFICATIONS | 4/3/2014 | APPLICATION REJECTED | No | Application Rejected | | | |
| 563065 | | | | Basic | RULE 1415.1 PLAN NOTIFICATIONS | 4/3/2014 | APPLICATION REJECTED | No | Application Rejected | | | |
| 559331 | | | | Basic | ERC ALTERATION | 12/24/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 559228 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 559229 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 559230 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 559231 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 559232 | | | | Control | CONTROL SYS, TWO SERIES | 12/20/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 559056 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | |
| 559057 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | |
| 559058 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | |
| 559059 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | |
| 559060 | | | | Control | CONTROL SYS, TWO SERIES | 12/18/2013 | APPLICATION REJECTED | No | Application Rejected | | | |
| 557229 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | No | Source does not emit applicable emissions | | | |
| 557230 | | | | Basic | STORAGE TANK MISC ORGANIC MATERIALS | 10/11/2013 | PERMIT TO CONSTRUCT GRANTED | No | Source does not emit applicable emissions | | | |
| 556626 | | | | Basic | SEWAGE TREATMENT (>5 MG/D) ANEROBIC | 10/3/2013 | PERMIT TO CONSTRUCT GRANTED | No | Source does not emit applicable emissions | | | |
| 556627 | | | | Control | CONTROL SYS, TWO SERIES | 10/3/2013 | PERMIT TO CONSTRUCT GRANTED | No | Emission Control Technology | | | |
| 556625 | | | | Basic | Title V Permit Revision | 10/3/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | Yes | Minor Permit Revision | Yes | No | Permit revision for 556626; no emissions increase expected. |
| 554223 | | | | Basic | TITLE V PERMIT RENEWAL APPLICATION | 7/16/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Title V Permit Renewal | | | |
| 546364 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | No | Adding post-combustion control equipment (CatOx, SCR, digester gas cleanup) to existing engine. These engines have been in place since 1995 per previous correspondence with SCAQMD. Net reduction in emissions. |
| 546365 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | No | Adding post-combustion control equipment (CatOx, SCR, digester gas cleanup) to existing engine. These engines have been in place since 1995 per previous correspondence with SCAQMD. Net reduction in emissions. |
| 546366 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | No | Adding post-combustion control equipment (CatOx, SCR, digester gas cleanup) to existing engine. These engines have been in place since 1995 per previous correspondence with SCAQMD. Net reduction in emissions. |
| 546367 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | No | Adding post-combustion control equipment (CatOx, SCR, digester gas cleanup) to existing engine. These engines have been in place since 1995 per previous correspondence with SCAQMD. Net reduction in emissions. |
| 546368 | | | | Basic | I C E (>500 HP) NAT & DIGESTER GAS | 1/8/2013 | PERMIT TO CONSTRUCT GRANTED | Yes | Alteration / Modification | Yes | No | Adding post-combustion control equipment (CatOx, SCR, digester gas cleanup) to existing engine. These engines have been in place since 1995 per previous correspondence with SCAQMD. Net reduction in emissions. |
| 546363 | | | | Basic | Title V Permit Revision | 1/8/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | De Minimis Significant Permit Revision | | | |
| 545004 | | | | Basic | BOILER (5-20 MMBTU/HR) NAT-PROC GAS C/G | 11/27/2012 | APPLICATION CHANGED FROM CLASS I - III | Yes | Alteration / Modification | Yes | No | Adding new burner to existing boiler for Rule 1146 compliance. Net reduction in all pollutants. |
| 545005 | | | | Basic | BOILER (5-20 MMBTU/HR) NAT-PROC GAS C/G | 11/27/2012 | APPLICATION CHANGED FROM CLASS I - III | Yes | Alteration / Modification | Yes | No | Adding new burner to existing boiler for Rule 1146 compliance. Net reduction in all pollutants. |
| 545003 | | | | Control | ODOR CONTROL UNIT | 11/27/2012 | APPLICATION CHANGED FROM CLASS I - III | No | Emission Control Technology | | | |
| 545002 | | | | Basic | Title V Permit Revision | 11/27/2012 | BANKING/ PLAN GRANTED, NON BILLABLE | Yes | Minor Permit Revision | Yes | No | Permit revision for 545004 and 545005; no emissions increase expected. |

Notes:
All permit applications dated 7/18/2012 and before were analyzed in the previous cumulative source analysis.

Huntington Beach Energy Project
Attachment A5-1R1 Table 5
Source List for Facility ID 95212
August 2016

| Facility Name: Fabrica Address: 3201 S. Susan Street, Santa Ana, CA 92704 FIND Date: 1/15/2016 Control #: 84580 Miles from HBEP: < 6 miles | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|---|-----------------------------|--|------------------------------|--|
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 575706 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 6/4/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 574840 | | | | Control | DUST COLLECTOR/HEPA, OTHER R-1401 TOXICS | 5/6/2015 | APPLICATION CHANGED FROM CLASS I - III | No | Emission Control Technology | | | |
| 572753 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | No | Administrative Action | | | |
| 572751 | | | | Basic | PLASMA ARC CUTTING | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | Yes | Permit to Operate | Yes | Yes | Plasma cutting emissions based on AP-42 reference material, control efficiency of 99.97% based on spec sheet for attached control equipment per PTO. |
| 570136 | | | | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 11/14/2014 | APPLICATION CHANGED FROM CLASS I - III | Yes | Alteration / Modification | Yes | No | Permit application is for a modification of the permit for a boiler last permitted in 2001. Therefore, this is an existing source and does not need to be included. |
| 570342 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 11/14/2014 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 567048 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 7/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 566167 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/1/2014 | APPLICATION CHANGED FROM CLASS I - III | Yes | Permit to Construct | Yes | Yes | 200 kW natural gas ICE used as part of a cogeneration system with an existing boiler, and does not operate as an emergency or standby unit. This is a new source and should be included. |
| 547916 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 3/5/2013 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 547915 | | | | Control | BAGHOUSE | 3/5/2013 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 455683 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 455682 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 455681 | | | | Basic | RECLAIM AMEND-NO ENGR EVAL | 4/13/2006 | APPLICATION CANCELLED | No | Prior to 01/01/2009 | | | |
| 390708 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 9/6/2001 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |
| 390198 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/17/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 383614 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 3/15/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 383114 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 2/28/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 381792 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 381785 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 381784 | | | ACTIVE | Basic | STORAGE SILO MINERALS MISC | 2/21/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 381782 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (<=100 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 381778 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 372996 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/15/2000 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 361865 | | | | Basic | CARPET PROCESSING SYSTEM | 11/9/1999 | APPLICATION CANCELLED | No | Prior to 01/01/2009 | | | |
| 349307 | | | | Basic | INITIAL TITLE V PERMIT APPLICATION | 1/6/1999 | APPLICATION CANCELLED | No | Prior to 01/01/2009 | | | |
| 345762 | | | INACTIVE | Basic | OVEN, DRYING | 10/2/1998 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 342506 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 6/23/1998 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 340804 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 5/29/1998 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 341562 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 5/27/1998 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 297120 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 9/28/1994 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277566 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277568 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277629 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277569 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277571 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277573 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277567 | | | INACTIVE | Basic | OVEN, DRYING | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277577 | | | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277629 | | | ACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277571 | | | INACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277569 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277573 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 277566 | | | INACTIVE | Control | FLUE GAS RECIRCULATION | 1/27/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.
N/A = Not applicable or available

Huntington Beach Energy Project
Attachment A5-1R1 Table 5
Source List for Facility ID 95212
August 2016

| Facility Name: Fabrica | | | | | | | | Source Information | | | | | | | | Stack Parameters | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|--------------------------|--|-------------|------------|------------------|------------------|-------------|---------------|------------------|-----------------|--|--|
| Address: 3201 S. Susan Street, Santa Ana, CA 92704 | | | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | | | |
| Control #: 84580 | | | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 6 miles | | | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Make | Source Model | Source Size | Size Units | Location UTM (X) | Location UTM (Y) | Height (ft) | Diameter (ft) | Temperature (°F) | Velocity (ft/s) | | |
| 575706 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 6/4/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | |
| 574840 | | | | Control | DUST COLLECTOR/HEPA, OTHER R-1401 TOXICS | 5/6/2015 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | | | |
| 572753 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | | | | | | | | | | | | |
| 572751 | | | | Basic | PLASMA ARC CUTTING | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | N/A | Plasma cutter with Avani Env. SPC-230 filter | N/A | N/A | 415575 | 3729816 | 0 | 0.33 | Ambient | 43.9 | | |
| 570136 | | | | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 11/14/2014 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | | | |
| 570342 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 11/14/2014 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 567048 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 7/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | |
| 566167 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/1/2014 | APPLICATION CHANGED FROM CLASS I - III | Benz Air Engineering Co. | 454-Epower | 200 | KW | 415575 | 3729816 | 15.0 | 0.29 | 1,384 | 374 | | |
| 547916 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 3/5/2013 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 547915 | | | | Control | BAGHOUSE | 3/5/2013 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 455683 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 455682 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 455681 | | | | Basic | RECLAIM AMEND-NO ENGR EVAL | 4/13/2006 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 390708 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 9/6/2001 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | |
| 390198 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/17/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 383614 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 3/15/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 383114 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 2/28/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 381792 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 381785 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 381784 | | | ACTIVE | Basic | STORAGE SILO MINERALS MISC | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 381782 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (<=100 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 381778 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 372996 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/15/2000 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 361865 | | | | Basic | CARPET PROCESSING SYSTEM | 11/9/1999 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 349307 | | | | Basic | INITIAL TITLE V PERMIT APPLICATION | 1/6/1999 | APPLICATION CANCELLED | | | | | | | | | | | | |
| 345762 | | | INACTIVE | Basic | OVEN, DRYING | 10/2/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 342506 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 6/23/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 340804 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 5/29/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 341562 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 5/27/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 297120 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 9/28/1994 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277566 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277568 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277629 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277569 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277571 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277573 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277567 | | | INACTIVE | Basic | OVEN, DRYING | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277577 | | | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277629 | | | ACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277571 | | | INACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277569 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277573 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |
| 277566 | | | INACTIVE | Control | FLUE GAS RECIRCULATION | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.
N/A = Not applicable or available

Huntington Beach Energy Project
Attachment A5-1R1 Table 5
Source List for Facility ID 95212
August 2016

| Facility Name: Fabrica | | | | | | | | Short Term Emissions (lb/hr) | | | | | | | | Annual Emissions (lb/yr) | | | Annual Emissions (tpy) | | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|------------------------------|---------|---------|----------------------|----------------------|-----------------------|------------------------|-------------------------|--------------------------|------------------|-------------------|------------------------|------|-----------------|----------------------|--|
| Address: 3201 S. Susan Street, Santa Ana, CA 92704 | | | | | | | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | | | | | | | |
| Control #: 84580 | | | | | | | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 6 miles | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | NOx | 1-hr CO | 8-hr CO | 1-hr SO ₂ | 3-hr SO ₂ | 24-hr SO ₂ | 24-hr PM ₁₀ | 24-hr PM _{2.5} | NOx | PM ₁₀ | PM _{2.5} | NOx | CO | SO ₂ | PM _{10/2.5} | |
| 575706 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 6/4/2015 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 574840 | | | | Control | DUST COLLECTOR/HEPA, OTHER R-1401 TOXICS | 5/6/2015 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | | | | | | | |
| 572753 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | | | | | | | | | | | | | | | | |
| 572751 | | | | Basic | PLASMA ARC CUTTING | 2/25/2015 | ASSIGNED TO ENGINEER - CLASS III | N/A | N/A | N/A | N/A | N/A | N/A | 0.0016 | 0.0016 | N/A | 13.9 | 13.9 | N/A | N/A | N/A | 0.0070 | |
| 570136 | | | | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 11/14/2014 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | | | | | | | |
| 570342 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 11/14/2014 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 567048 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 7/25/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 566167 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/1/2014 | APPLICATION CHANGED FROM CLASS I - III | 0.014 | 0.040 | 0.040 | 0.0055 | 0.0055 | 0.0055 | 0.13 | 0.13 | 123 | 1,142 | 1,142 | 0.061 | 0.18 | 0.024 | 0.57 | |
| 547916 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 3/5/2013 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 547915 | | | | Control | BAGHOUSE | 3/5/2013 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 455683 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 455682 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 4/13/2006 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 455681 | | | | Basic | RECLAIM AMEND-NO ENGR EVAL | 4/13/2006 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 390708 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 9/6/2001 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 390198 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/17/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 383614 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 3/15/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 383114 | | | ACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 2/28/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 381792 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 381785 | | | ACTIVE | Basic | MINERALS MISC BLENDING | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 381784 | | | ACTIVE | Basic | STORAGE SILO MINERALS MISC | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 381782 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (<=100 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 381778 | | | ACTIVE | Control | BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT) | 2/21/2001 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 372996 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 8/15/2000 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 361865 | | | | Basic | CARPET PROCESSING SYSTEM | 11/9/1999 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 349307 | | | | Basic | INITIAL TITLE V PERMIT APPLICATION | 1/6/1999 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 345762 | | | INACTIVE | Basic | OVEN, DRYING | 10/2/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 342506 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 6/23/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 340804 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 5/29/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 341562 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 5/27/1998 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 297120 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 9/28/1994 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277566 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) COMB GAS-LPG | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277568 | | | INACTIVE | Basic | BOILER (>20-50 MMBTU/HR) NAT GAS ONLY | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277629 | | | ACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277569 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277571 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277573 | | | INACTIVE | Basic | CARPET PROCESSING SYSTEM | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277567 | | | INACTIVE | Basic | OVEN, DRYING | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277577 | | | INACTIVE | Basic | SERV STAT STORAGE & DISPENSING GASOLINE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277629 | | | ACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277571 | | | INACTIVE | Control | BAGHOUSE | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277569 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277573 | | | INACTIVE | Control | DRY FILTER (>500 SQ FT) | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 277566 | | | INACTIVE | Control | FLUE GAS RECIRCULATION | 1/27/1993 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |

Notes:
All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.
N/A = Not applicable or available

Huntington Beach Energy Project
Attachment A5-1R1 Table 6
Source List for Facility ID 169754
August 2016

| Facility Name: So Cal Holding, LLC | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|---|---|--|------------------------------|---|
| Address: 20101 Goldenwest Street, Huntington Beach, CA 92648 | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | |
| Control #: 84573 | | | | | | | | | | | | |
| Miles from HBEP: < 3 miles | | | | | | | | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | | | | | |
| 572641 | | | | Basic | TIERED (1-20 DEVICES) INITIAL TITLE V PERMIT APPLICATION | 2/24/2015 | ASSIGNED TO ENGINEER - CLASS III | Yes | Initial Title V Application | Yes | No | Permit Application for 555370 and 555402. |
| 570166 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 12/2/2014 | APPLICATION CHANGED FROM CLASS I - III | No | Source does not emit applicable emissions | | | |
| 570167 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 12/2/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 569440 | | | ACTIVE | Basic | BULK LOAD TERMINAL REC PIPELINE CRUDE | 10/23/2014 | PERMIT TO OPERATE GRANTED | No | Source does not emit applicable emissions | | | |
| 567799 | | | | Basic | RULE 1415.1 PLAN NOTIFICATIONS | 8/26/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 567798 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/26/2014 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 567796 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 8/26/2014 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 560467 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/4/2014 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 560466 | | | | Basic | BOILER (>20=50 MMBTU/HR) NG/PG & LPG | 2/4/2014 | APPLICATION CANCELLED | No | Application Cancelled | | | |
| 557681 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 10/29/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 556388 | | | | Basic | PLAN RULE 1166 (CONTAMINATED SOIL HAND.) | 9/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 555370 | | | ACTIVE | Basic | I C E (>500 HP) EM ELEC GEN DIESEL | 8/20/2013 | PERMIT TO OPERATE GRANTED | Yes | Permit to Construct | Yes | Yes | Addition of an emergency ICE/generator to the Platform Emmy site. |
| 555402 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |

Notes:
All permit applications dated 6/19/2012 and before were analyzed in the previous cumulative source analysis.

Huntington Beach Energy Project
Attachment A5-1R1 Table 6
Source List for Facility ID 169754
August 2016

| Facility Name: So Cal Holding, LLC | | | | | | | | Source Information | | | | | | Stack Parameters | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|--------------------|--------------|-------------|------------|------------------|------------------|------------------|---------------|------------------|-----------------|
| Address: 20101 Goldenwest Street, Huntington Beach, CA 92648 | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | |
| Control #: 84573 | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 3 miles | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Make | Source Model | Source Size | Size Units | Location UTM (X) | Location UTM (Y) | Height (ft) | Diameter (ft) | Temperature (°F) | Velocity (ft/s) |
| 572641 | | | | Basic | TIERED (1-20 DEVICES) INITIAL TITLE V PERMIT APPLICATION | 2/24/2015 | ASSIGNED TO ENGINEER - CLASS III | | | | | | | | | | |
| 570166 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 12/2/2014 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | |
| 570167 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 12/2/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 569440 | | | ACTIVE | Basic | BULK LOAD TERMINAL REC PIPELINE CRUDE | 10/23/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | |
| 567799 | | | | Basic | RULE 1415.1 PLAN NOTIFICATIONS | 8/26/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 567798 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/26/2014 | APPLICATION CANCELLED | | | | | | | | | | |
| 567796 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 8/26/2014 | APPLICATION CANCELLED | | | | | | | | | | |
| 560467 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/4/2014 | APPLICATION CANCELLED | | | | | | | | | | |
| 560466 | | | | Basic | BOILER (>20=50 MMBTU/HR) NG/PG & LPG | 2/4/2014 | APPLICATION CANCELLED | | | | | | | | | | |
| 557681 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 10/29/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 556388 | | | | Basic | PLAN RULE 1166 (CONTAMINATED SOIL HAND.) | 9/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |
| 555370 | | | ACTIVE | Basic | I C E (>500 HP) EM ELEC GEN DIESEL | 8/20/2013 | PERMIT TO OPERATE GRANTED | Cummins | QST30-G5NR2 | 1,490 | BHP | 403156 | 3725201 | 75.0 | 0.83 | 890 | 230 |
| 555402 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | |

Notes:
All permit applications dated 6/19/2012 and before were analyzed in the previous cumulative source analysis.

Huntington Beach Energy Project
Attachment A5-1R1 Table 6
Source List for Facility ID 169754
August 2016

| Facility Name: So Cal Holding, LLC | | | | | | | | Short Term Emissions (lb/hr) | | | | | | | | Annual Emissions (lb/yr) | | | Annual Emissions (tpy) | | | | |
|--|---------------|--------------------|---------------|----------------|--|------------------|--|------------------------------|---------|---------|----------------------|----------------------|-----------------------|------------------------|-------------------------|--------------------------|------------------|-------------------|------------------------|-------|-----------------|----------------------|--|
| Address: 20101 Goldenwest Street, Huntington Beach, CA 92648 | | | | | | | | | | | | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | | | | | | | | | | | | |
| Control #: 84573 | | | | | | | | | | | | | | | | | | | | | | | |
| Miles from HBEP: < 3 miles | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | NOx | 1-hr CO | 8-hr CO | 1-hr SO ₂ | 3-hr SO ₂ | 24-hr SO ₂ | 24-hr PM ₁₀ | 24-hr PM _{2.5} | NOx | PM ₁₀ | PM _{2.5} | NOx | CO | SO ₂ | PM _{10/2.5} | |
| 572641 | | | | Basic | TIERED (1-20 DEVICES) INITIAL TITLE V PERMIT APPLICATION | 2/24/2015 | ASSIGNED TO ENGINEER - CLASS III | | | | | | | | | | | | | | | | |
| 570166 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 12/2/2014 | APPLICATION CHANGED FROM CLASS I - III | | | | | | | | | | | | | | | | |
| 570167 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 12/2/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 569440 | | | ACTIVE | Basic | BULK LOAD TERMINAL REC PIPELINE CRUDE | 10/23/2014 | PERMIT TO OPERATE GRANTED | | | | | | | | | | | | | | | | |
| 567799 | | | | Basic | RULE 1415.1 PLAN NOTIFICATIONS | 8/26/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 567798 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/26/2014 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 567796 | | | | Basic | NATURAL GAS STABILIZATION UNIT | 8/26/2014 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 560467 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 2/4/2014 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 560466 | | | | Basic | BOILER (>20=50 MMBTU/HR) NG/PG & LPG | 2/4/2014 | APPLICATION CANCELLED | | | | | | | | | | | | | | | | |
| 557681 | | | | Basic | RULE 1415 PLAN NOTIFICATIONS | 10/29/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 556388 | | | | Basic | PLAN RULE 1166 (CONTAMINATED SOIL HAND.) | 9/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |
| 555370 | | | ACTIVE | Basic | I C E (>500 HP) EM ELEC GEN DIESEL | 8/20/2013 | PERMIT TO OPERATE GRANTED | 13.0 | 2.16 | 0.27 | 0.020 | 0.0067 | 0.00083 | 0.015 | 0.015 | 649 | 18.1 | 18.1 | 0.32 | 0.054 | 0.0004 | 0.0091 | |
| 555402 | | | | Basic | FACILITY PERMIT AMEND- RECLAIM ONLY | 8/20/2013 | BANKING/ PLAN GRANTED, NON BILLABLE | | | | | | | | | | | | | | | | |

Notes:
All permit applications dated 6/19/2012 and before were analyzed in the previous cumulative source analysis.

Huntington Beach Energy Project
Attachment A5-1R1 Table 7
Source List for Facility ID 53733
August 2016

| Facility Name: Huntington Beach City, Water Dept. | | | | | | | | Step 2 - Source Applicability (FIND Data) | |
|---|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|--|--|
| Address: 16192 Sher Lane, Huntington Beach, CA 92647 | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | |
| Control #: N/A | | | | | | | | | |
| Miles from HBEP: < 6 miles | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type |
| 564823 | G36446 | 7/7/2015 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 6/3/2014 | PERMIT TO OPERATE GRANTED | No | Change of Conditions / Administrative Action |
| 485837 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 7/30/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 |
| 448572 | F78006 | 9/21/2005 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 9/9/2005 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 |
| 407533 | | | | Basic | TITLE V R-3008 FAC CAP EXEMPT | 10/8/2002 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 |
| 407534 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 10/8/2002 | APPLICATION CANCELLED | No | Prior to 01/01/2009 |
| 280999 | D74299 | 6/16/1993 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 |
| 280999 | D74299 | 6/16/1993 | INACTIVE | Control | NON SELECTIVE CATALYTIC REDUCTION | 4/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 |
| 278624 | | | | Basic | RULE 1110.2 EMISSION CONTROL PLAN | 2/22/1993 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 |
| 221332 | D50989 | 4/9/1992 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 1/24/1990 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 |
| 140506 | | | | Basic | I.C.ENGINE NOX & CO CONTROL | 1/15/1986 | APPLICATION CANCELLED | No | Prior to 01/01/2009 |

Notes:

All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 8
Source List for Facility ID 94967
August 2016

| Facility Name: Mesa Water District | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|---|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|---|-----------------------|--|------------------------------|---|
| Address: 3596 Cadillac Avenue, Costa Mesa, CA 92626 | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | |
| Control #: 84579 | | | | | | | | | | | | |
| Miles from HBEP: < 5 miles | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 561626 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 3/6/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 499283 | G3918 | 7/24/2009 | ACTIVE | Basic | I C E (>500 HP) N-EM STAT NAT GAS ONLY | 6/2/2009 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Application is for a change in air-to-fuel ratio controllers with no change in emissions. |
| 486378 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 8/1/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |
| 280194 | D91047 | 5/31/1995 | INACTIVE | Basic | I C E (>500 HP) N-EM STAT NAT GAS ONLY | 4/12/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 276794 | | | | Basic | RULE 1110.2 EMISSION CONTROL PLAN | 12/30/1992 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |

Notes:

All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 9
Source List for Facility ID 98380
August 2016

| Facility Name: Mesa Water District | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|---|---------------|--------------------|---------------|----------------|--|------------------|-------------------------------------|---|-----------------------|--|------------------------------|---|
| Address: 2340 Orange Avenue, Costa Mesa, CA 92627 | | | | | | | | | | | | |
| FIND Date: 1/15/2016 | | | | | | | | | | | | |
| Control #: 84581 | | | | | | | | | | | | |
| Miles from HBEP: < 5 miles | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 561625 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 3/6/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Administrative Action | | | |
| 499279 | G4002 | 8/5/2009 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 6/2/2009 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Application is for a change in air-to-fuel ratio controllers with no change in emissions. |
| 499280 | G4003 | 8/5/2009 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 6/2/2009 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Application is for a change in air-to-fuel ratio controllers with no change in emissions. |
| 499281 | G4004 | 8/5/2009 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 6/2/2009 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Application is for a change in air-to-fuel ratio controllers with no change in emissions. |
| 499282 | G4005 | 8/5/2009 | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 6/2/2009 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Application is for a change in air-to-fuel ratio controllers with no change in emissions. |
| 486376 | | | | Basic | PLAN RULE 1110.2- Inspection & Monitoring Plan | 8/1/2008 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Prior to 01/01/2009 | | | |
| 485752 | G1148 | 12/23/2008 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 7/29/2008 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 485754 | G1149 | 12/30/2008 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 7/29/2008 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 485755 | G1150 | 12/30/2008 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 7/29/2008 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 466597 | F90137 | 5/29/2007 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 3/9/2007 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 292782 | D99418 | 5/24/1996 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 5/18/1994 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 292781 | D99431 | 5/24/1996 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 5/18/1994 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 292785 | D99419 | 5/24/1996 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 5/17/1994 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 292784 | D99432 | 5/24/1996 | INACTIVE | Basic | I C E (50-500 HP) N-EM STAT GAS-LPG | 5/17/1994 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 283807 | D79206 | 12/20/1993 | ACTIVE | Basic | I C E (50-500 HP) EM ELEC GEN-NAT GAS | 7/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 283807 | D79206 | 12/20/1993 | ACTIVE | Control | NON SELECTIVE CATALYTIC REDUCTION | 7/30/1993 | PERMIT TO OPERATE GRANTED | No | Prior to 01/01/2009 | | | |
| 283800 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/30/1993 | APPLICATION DENIED | No | Prior to 01/01/2009 | | | |
| 283802 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/30/1993 | APPLICATION DENIED | No | Prior to 01/01/2009 | | | |
| 283804 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/30/1993 | APPLICATION DENIED | No | Prior to 01/01/2009 | | | |
| 283805 | | | | Basic | I C E (50-500 HP) N-EM STAT NAT GAS ONLY | 7/30/1993 | APPLICATION DENIED | No | Prior to 01/01/2009 | | | |

Notes:

All applications were evaluated for this facility since it was not evaluated as part of our previous modeling efforts.

Huntington Beach Energy Project
Attachment A5-1R1 Table 10
Source List for Facility ID 166073
August 2016

| Facility Name: Beta Offshore | | | | | | | | Step 2 - Source Applicability (FIND Data) | | Step 3 - Source Applicability (PRR Data) | | |
|--|---------------|--------------------|---------------|----------------|------------------------------------|------------------|-------------------------------------|---|------------------------|--|------------------------------|--|
| Address: OCS Lease Parcels P300/P301, Huntington Beach, CA 92648 | | | | | | | | | | | | |
| FIND Date: 01/15/2016 | | | | | | | | | | | | |
| Control #: 84582 | | | | | | | | | | | | |
| Miles from HBEP: > 6 miles | | | | | | | | | | | | |
| Application Number | Permit Number | Permit Issued Date | Permit Status | Equipment Type | Equipment Description | Application Date | Application Status | Source Included? (Yes or No) | Application Type | PRR Data Received | Source Included? (Yes or No) | Reference of Data for Analysis / Reason for Exclusion from Analysis |
| 568343 | | | | Basic | TITLE V PERMIT RENEWAL APPLICATION | 9/12/2014 | BANKING/ PLAN GRANTED, NON BILLABLE | No | Title V Permit Renewal | | | |
| 533629 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533630 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533631 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533632 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533634 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533635 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |
| 533636 | | | ACTIVE | Basic | I C E (50-500 HP) N-EM STAT DIESEL | 3/8/2012 | PERMIT TO OPERATE GRANTED | Yes | Change of Conditions | Yes | No | Emission source located > 6 miles from HBEP; further evaluation not warranted. |

Notes:
All permit applications dated 5/1/2012 and before (aside from the ICE applications from 3/8/2012 above) were analyzed in the previous cumulative source analysis.

**Attachment A5-2R1
Proposed Emission Rates and Exhaust Parameters
for the Cumulative Air Quality Impacts Analysis**

Huntington Beach Energy Project
 Attachment A5-2R1 Table 1
 Cumulative Modeling Parameters - Stack Parameters
 August 2016

Point Sources

| Facility | Source ID | Eastings (X) (m) | Northing (Y) (m) | Base Elevation (m) | Stack Height (m) | Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) |
|--|----------------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|------------------------|-----------------------|
| HBEP (CO, 1-hour NO ₂ [state], 1-hour SO ₂) | GE 7FA.05-01 Scenario 3 | 409449 | 3723146 | 3.66 | 45.7 | 350 | 12.2 | 6.10 |
| | GE 7FA.05-02 Scenario 3 | 409474 | 3723182 | 3.66 | 45.7 | 350 | 12.2 | 6.10 |
| HBEP (1-hour NO ₂ [federal], Annual NO ₂ , 3-hour SO ₂ , 24-hour SO ₂ , PM ₁₀ , PM _{2.5}) | GE 7FA.05-01 Scenario 7 | 409449 | 3723146 | 3.66 | 45.7 | 350 | 11.8 | 6.10 |
| | GE 7FA.05-02 Scenario 7 | 409474 | 3723182 | 3.66 | 45.7 | 350 | 11.8 | 6.10 |
| HBEP (1-hour SO ₂) | GE LMS 100PB-01 Scenario 1 | 409149 | 3723193 | 3.66 | 24.4 | 694 | 33.3 | 4.11 |
| | GE LMS 100PB-02 Scenario 1 | 409185 | 3723168 | 3.66 | 24.4 | 694 | 33.3 | 4.11 |
| HBEP (CO, 1-hour NO ₂ [state]) | GE LMS 100PB-01 Scenario 3 | 409149 | 3723193 | 3.66 | 24.4 | 748 | 23.8 | 4.11 |
| | GE LMS 100PB-02 Scenario 3 | 409185 | 3723168 | 3.66 | 24.4 | 748 | 23.8 | 4.11 |
| HBEP (3-hour SO ₂ , 24-hour SO ₂) | GE LMS 100PB-01 Scenario 4 | 409149 | 3723193 | 3.66 | 24.4 | 697 | 33.1 | 4.11 |
| | GE LMS 100PB-02 Scenario 4 | 409185 | 3723168 | 3.66 | 24.4 | 697 | 33.1 | 4.11 |
| HBEP (Annual NO ₂) | GE LMS 100PB-01 Scenario 6 | 409149 | 3723193 | 3.66 | 24.4 | 709 | 28.4 | 4.11 |
| | GE LMS 100PB-02 Scenario 6 | 409185 | 3723168 | 3.66 | 24.4 | 709 | 28.4 | 4.11 |
| HBEP (1-hour NO ₂ [federal], PM ₁₀ , PM _{2.5}) | GE LMS 100PB-01 Scenario 7 | 409149 | 3723193 | 3.66 | 24.4 | 748 | 23.6 | 4.11 |
| | GE LMS 100PB-02 Scenario 7 | 409185 | 3723168 | 3.66 | 24.4 | 748 | 23.6 | 4.11 |
| HBEP (All Pollutants) | Auxiliary Boiler | 409438 | 3723236 | 3.66 | 24.4 | 432 | 21.2 | 0.91 |
| | OC11 | 412725 | 3728250 | 7.65 | 18.9 | 533 | 22.0 | 0.76 |
| OC Sanitation 1 | OC12 | 412725 | 3728250 | 7.65 | 12.8 | 455 | 9.29 | 0.46 |
| | OC13 | 412608 | 3728568 | 7.65 | 9.14 | Ambient | 2.72 | 0.51 |
| OC Sanitation 2 | OC22 | 411100 | 3722400 | 1.60 | 8.48 | 587 | 33.9 | 0.39 |
| Arlon Graphics | AG | 414875 | 3730325 | 13.5 | 7.62 | 364 | 24.5 | 1.32 |
| HBC Water Department | HBW | 407680 | 3727679 | 20.0 | 4.57 | 875 | 15.1 | 0.20 |
| Fabrica | FAB1 | 415575 | 3729816 | 12.0 | 0.00 | Ambient | 13.4 | 0.10 |
| | FAB2 | 415575 | 3729816 | 12.0 | 4.57 | 1,024 | 114 | 0.089 |
| So Cal Holding | SCH | 403156 | 3725201 | 0.00 | 22.9 | 750 | 70.2 | 0.25 |

Huntington Beach Energy Project
Attachment A5-2R1 Table 2
Cumulative Modeling Parameters - Emission Rates
August 2016

Emission Rates for 1-hour, 3-hour, 8-hour, and 24-hour Modeling

| Source ID | State 1-hour NO ₂ | | Federal 1-hour NO ₂ | | 1-hour CO | | 8-hour CO | | 1-hour SO ₂ | | 3-hour SO ₂ | | 24-hour SO ₂ | | 24-hour PM ₁₀ | | 24-hour PM _{2.5} | |
|------------------|------------------------------|---------|--------------------------------|---------|-----------|---------|-----------|---------|------------------------|---------|------------------------|---------|-------------------------|---------|--------------------------|---------|---------------------------|---------|
| | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) | (g/s) | (lb/hr) |
| GE 7FA.05-01 | 7.69 | 61.0 | 7.18 | 57.0 | 41.0 | 325 | 14.9 | 118 | 0.37 | 2.95 | 0.35 | 2.79 | 0.35 | 2.79 | 1.07 | 8.50 | 1.07 | 8.50 |
| GE 7FA.05-02 | 7.69 | 61.0 | 7.18 | 57.0 | 41.0 | 325 | 14.9 | 118 | 0.37 | 2.95 | 0.35 | 2.79 | 0.35 | 2.79 | 1.07 | 8.50 | 1.07 | 8.50 |
| GE LMS 100PB-01 | 2.67 | 21.2 | 2.67 | 21.2 | 5.66 | 44.9 | 1.89 | 15.0 | 0.20 | 1.63 | 0.21 | 1.64 | 0.21 | 1.64 | 0.79 | 6.24 | 0.79 | 6.24 |
| GE LMS 100PB-02 | 2.67 | 21.2 | 2.67 | 21.2 | 5.66 | 44.9 | 1.89 | 15.0 | 0.20 | 1.63 | 0.21 | 1.64 | 0.21 | 1.64 | 0.79 | 6.24 | 0.79 | 6.24 |
| Auxiliary Boiler | 0.054 | 0.42 | 0.054 | 0.42 | 0.36 | 2.83 | 0.30 | 2.37 | 0.018 | 0.14 | 0.018 | 0.14 | 0.0094 | 0.075 | 0.020 | 0.16 | 0.020 | 0.16 |
| OC11 | 0.19 | 1.49 | 0.19 | 1.49 | 0.18 | 1.40 | 0.18 | 1.40 | 0.0060 | 0.048 | 0.0060 | 0.048 | 0.0060 | 0.048 | 0.020 | 0.16 | 0.020 | 0.16 |
| OC12 | 0.03 | 0.22 | 0.028 | 0.22 | 0.11 | 0.90 | 0.11 | 0.90 | 0.016 | 0.13 | 0.016 | 0.13 | 0.016 | 0.13 | 0.0071 | 0.056 | 0.0071 | 0.056 |
| OC13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.0016 | 0.013 | 0.0016 | 0.013 |
| OC22 | - | - | - | - | - | - | 2.60 | 20.6 | - | - | 0.15 | 1.19 | 0.019 | 0.15 | 0.041 | 0.32 | 0.041 | 0.32 |
| AG | - | - | - | - | 0.042 | 0.34 | 0.042 | 0.34 | 0.00026 | 0.0021 | 0.00026 | 0.0021 | 0.00026 | 0.0021 | 0.0021 | 0.017 | 0.0021 | 0.017 |
| HBW | 0.24 | 1.93 | 0.24 | 1.93 | 0.33 | 2.58 | 0.040 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00032 | 0.0025 | 0.00032 | 0.0025 |
| FAB1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.00020 | 0.0016 | 0.00020 | 0.0016 |
| FAB2 | 0.0018 | 0.014 | 0.0018 | 0.014 | 0.0050 | 0.040 | 0.0050 | 0.040 | 0.00069 | 0.0055 | 0.00069 | 0.0055 | 0.00069 | 0.0055 | 0.016 | 0.13 | 0.016 | 0.13 |
| SCH | 1.64 | 13.0 | 1.64 | 13.0 | 0.27 | 2.16 | 0.034 | 0.27 | 0.0025 | 0.020 | 0.00084 | 0.0067 | 0.00010 | 0.00083 | 0.0019 | 0.015 | 0.0019 | 0.015 |

Emission Rates for Annual Modeling

| Source ID | Annual NO ₂ | | Annual PM ₁₀ | | Annual PM _{2.5} | |
|------------------|------------------------|-------|-------------------------|--------|--------------------------|--------|
| | (g/s) | (tpy) | (g/s) | (tpy) | (g/s) | (tpy) |
| GE 7FA.05-01 | 1.06 | 36.7 | 0.81 | 28.2 | 0.81 | 28.2 |
| GE 7FA.05-02 | 1.06 | 36.7 | 0.81 | 28.2 | 0.81 | 28.2 |
| GE LMS 100PB-01 | 0.23 | 7.94 | 0.18 | 6.24 | 0.18 | 6.24 |
| GE LMS 100PB-02 | 0.23 | 7.94 | 0.18 | 6.24 | 0.18 | 6.24 |
| Auxiliary Boiler | 0.019 | 0.66 | 0.019 | 0.68 | 0.019 | 0.68 |
| OC11 | 0.19 | 6.52 | 0.020 | 0.70 | 0.020 | 0.70 |
| OC12 | 0.046 | 1.60 | 0.017 | 0.60 | 0.017 | 0.60 |
| OC13 | - | - | 0.00011 | 0.0037 | 0.00011 | 0.0037 |
| OC22 | 0.15 | 5.38 | 0.0049 | 0.17 | 0.0049 | 0.17 |
| AG | - | - | 0.0021 | 0.073 | 0.0021 | 0.073 |
| HBW | 0.0014 | 0.049 | 0.000040 | 0.0014 | 0.000040 | 0.0014 |
| FAB1 | - | - | 0.00020 | 0.0070 | 0.00020 | 0.0070 |
| FAB2 | 0.0018 | 0.061 | 0.016 | 0.57 | 0.016 | 0.57 |
| SCH | 0.0092 | 0.32 | 0.00026 | 0.0091 | 0.00026 | 0.0091 |