

## DOCKETED

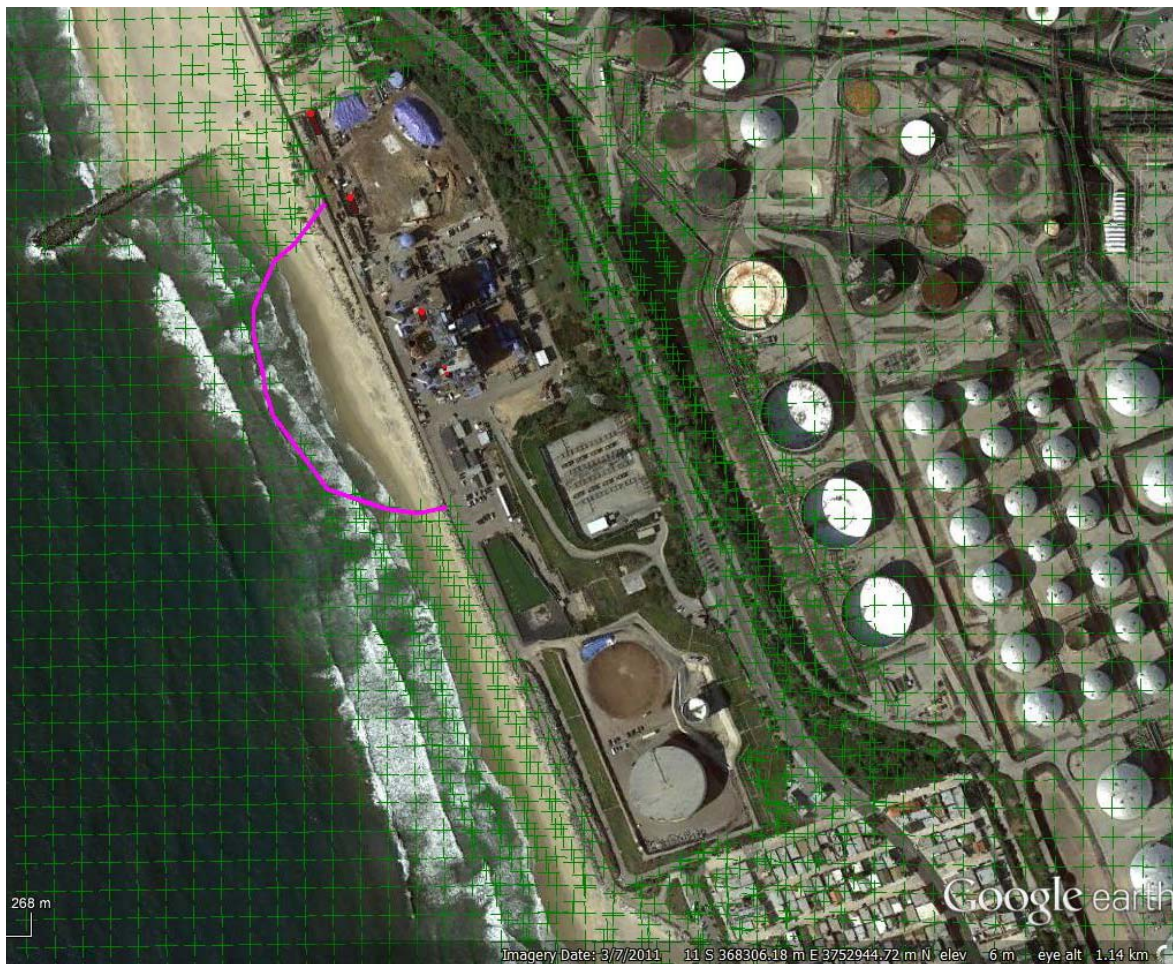
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| <b>Docket Number:</b>   | 00-AFC-14C   |
| <b>Project Title:</b>   | El Segundo Power Redevelopment Project Compliance          |
| <b>TN #:</b>            | 201220   |
| <b>Document Title:</b>  | Air Quality Questions Regarding Data Response Set 1 and 1a |
| <b>Description:</b>     | Air Quality Data Response clarifications                   |
| <b>Filer:</b>           | Craig Hoffman  |
| <b>Organization:</b>    | California Energy Commission                               |
| <b>Submitter Role:</b>  | Commission Staff   |
| <b>Submission Date:</b> | 11/15/2013 9:48:35 AM                                      |
| <b>Docketed Date:</b>   | 11/15/2013   |

### 1. DR 34: Modeling of auxiliary boiler (DR 34)

The supplemental response to Data Request 34 provided in Data Responses Set 1a (TN 200666) indicates that the auxiliary boiler has been added to the short-term impacts modeling analysis and the impacts from the auxiliary boiler would be negligible. Staff checked the corresponding modeling CD provided on September 23, 2013 but was not able to verify that the auxiliary boiler was added in the short-term impacts analysis. Please provide the correct modeling files that include the auxiliary boiler.

### 2. Fence line change in modeling

The following figure shows the receptors (green "+") near the project fence line defined in the revised air quality modeling analysis provided on September 23, 2013. The receptors on the beach side within the purple arc were deleted compared to the previous modeling files. Staff would like to verify whether the fence line of the project would be changed as modeled. If not, staff would like to know the reason why the receptors within the purple arc were deleted. The purple arc is located on a public beach. How could the applicant construct a property line fence on a public beach? Please confirm that there would be a physical fence surrounding the entire facility.



### 3. Exhaust parameters of Units 3 and 4 for visible plume modeling (DR 83)

Staff compared the exhaust parameters of Units 3 and 4 provided for DR 83 in Data Response Set 1 dated Sept 12, 2013 (TN # 200464) with parameters used in the 2002 FSA and the 2010 NO<sub>2</sub> modeling analysis dated April 15, 2010 (TN #56260). Staff noticed there are inconsistencies (shown in the table below) in the exhaust parameters from these three references. Staff would like to know which set of parameters are applicable to existing operating conditions at Units 3 and 4.

|   | <b>2002 FSA</b> | <b>National Air<br/>Quality Standard<br/>NO<sub>2</sub> Modeling<br/>Analysis dated<br/>April 15, 2010 (TN<br/>#56260)</b> | <b>Data Response<br/>Set 1 dated Sept.<br/>12, 2013 (TN #<br/>200464)</b> |
|---|-----------------|--|---|
| <b>Stack height (m)</b>                         | 65.55           | 60.096   | 60.96 (200 ft)  |
| <b>Stack diameter (m)</b>                       | 6.452           | 6.4516   | 4.27 (14 ft)  |
| <b>Exhaust temperature<br/>(K)</b>              | 390.78          | 390.778  | 398.706 (258°F)   |
| <b>Exhaust mass flow<br/>rate (1000 lbs/hr)</b> | 3,071.202       | NA   | 2,632   |
| <b>Moisture content<br/>(vol %)</b>             | 15.55           | NA   | 16.7  |