



Shell Oil Products US  
Carson Distribution Complex  
20945 S. Wilmington Ave.  
Carson, CA 90810-1039

May 16, 2022

Ms. Bonnie Soriano  
BRANCH CHIEF, FREIGHT ACTIVITY BRANCH  
CALIFORNIA AIR RESOURCES BOARD  
1001 I STREET  
SACRAMENTO, CA 95812

**Re: Control Measure for Ocean-Going Vessels at Berth  
Equilon Enterprises LLC dba Shell Oil Products US  
Mormon Island Terminal Plan Re-submittal**

Dear Bonnie Soriano:

Please find attached Shell Oil Products US Terminal Plan Re-submittal to meet the requirements set forth in section 93130.14(a)(3)(F) of the Control Measure for Ocean-Going Vessels At Berth Regulation by including a schedule completion date for the strategies used to comply with the regulation. The revised Terminal Plan is supported by the Port of Los Angeles.


We look forward to working with CARB to assess feasibility and methodologies for the implementation of technology and innovative concepts to accomplish the goals of the Control Measure. Please call Chris Sherman if you have any questions at (310) 816-6025.

Yours truly,

*Lee Cheatham*

Lee Cheatham  
Trading and Supply Operations   
Distribution Operations Manager  
Shell Oil Products US  
Email: [Lee.Cheatham@shell.com](mailto:Lee.Cheatham@shell.com)

*Christopher Sherman*

Christopher Sherman  
Trading and Supply Operations HSSE   
Environmental Advisor  
Shell Oil Products US  
Email: [Christopher.Sherman@shell.com](mailto:Christopher.Sherman@shell.com)



## Shell Mormon Island -Berths 167-169 At-Berth Terminal Plan

This terminal plan has been prepared pursuant Section 93130.14(a)(3) of the Airborne Toxic Control Measure for Auxiliary Diesel Engines Operated on Ocean-Going Vessels At-Berth in a California Port.

1. GENERAL INFORMATION	
Terminal Contact Name: Lee Cheatham	
Phone Number: 832.337.7040	Email: Lee.Cheatham@SHELL.com
<b>Berths Included in this Plan: <i>Shell Mormon Island Terminal</i></b>	
<u>Name:</u> 1. Berth 168	<u>Approximate Geographic Boundary Coordinates:*</u> 1. Latitude 33 degrees 45.242 minutes N Longitude 118 degrees 16.072 minutes W
<i>*The number of berths on a terminal and the spatial positioning of berths are dependent on vessel size; thus, the geographic boundary coordinates are approximates only.</i>	
2. STRATEGY DETAILS	
Strategy/strategies used to comply with the requirements for ocean-going vessels visiting each berth: 1. Barge-based CARB Approved Emission Capture and Control Equipment 2. Complimentary to Strategy 1 Barge-based CARB Approved Emission Capture and Control Equipment, utilize Innovative Concept approach to control non-regulated OSV emissions with CAECS equipment to develop emissions credits. These credits would be available for use in situations where the tanker emissions could not be controlled due to availability of CAECS operator, tanker stack configuration, etc.	
2.1 [Strategy 1]	
<i>Identification and description of all necessary equipment:</i>	
<u>Equipment:</u> 1. Barge-based CAECS Third Party operator provided emission capture and control equipment	<u>Location:</u> 1. Berth 168
Number of vessels expected to use this strategy (annual): 100	
<i>Berths where equipment will be used:</i> 1. Berth 168	
<i>Schedule for installing equipment:</i>	
<u>Project:</u> 1. Tanker Capture and Control Equipment	<u>Estimated Completion Date:</u> 1. January 1, 2025* *Contingent upon Technology development for safe tanker operations and certified by CARB



**2.2 [Strategy 2, if needed]**

*Identification and description of all necessary equipment:*

Equipment:

1. Barge-based CAECS Third Party operator provided emission capture and control equipment

Location:

1. Various locations in Port

Number of vessels expected to use this strategy (annual): 20

*Berths where equipment will be used:*

1. Oil Terminals
2. Anchorage
3. Bulk Terminals

*Schedule for installing equipment:*

Project:

1. Tanker Capture and Control Equipment

Estimated Completion Date:

1. January 1, 2025\*  
\* Contingent upon the certification by CARB of an "Innovative Concept" alternative emission reduction program resulting in emission credits and technology development for safe tanker operations and CARB certification

**3. TERMINAL/PORT BERTHING RESTRICTIONS**

*Are there any terminal or port specific berthing restrictions? If yes, please describe.*

If a barge based CAECS is used, CAECS Equipment will be located aft of the stern or along starboard side of tanker. For larger tankers 50- 80K DWT tankers, CAECS Equipment may impinge on Rio Tinto lease or navigation lines in the channel.

**5. SIGNATURES**

*By signing below, the terminal's responsible officer confirms that he/she has reviewed this plan under penalty of perjury and understands this plan is subject to verification by CARB staff.*

Name: Lee Cheatham

Title: Distribution Operations Manager

Signature: *Lee Cheatham*

Date: May 16, 2022