

# 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.

Terminal Contact Name: Lee Cheatham	
Phone Number: 832.337.7040	Email: Lee.Cheatham@SHELL.com
Berths Included in this Plan: Shell Mormon Islan	nd Terminal
<u>Name:</u> 15. Berth 168	Approximate Geographic Boundary Coordinates: 1. Latitude 33 degrees 45.242 minutes N Longitude 118 degrees 16.072 minutes W
*The number of berths on a terminal and the spatial geographic boundary coordinates are approximates o <b>2. STRATEGY DETAILS</b>	positioning of berths are dependent on vessel size; thus, the only.
	uirements for ocean-going vessels visiting each berth: Control Equipment (barge or land based to be
<ol> <li>Innovative Concept- Use of CAECS to conceptsions credits. These credits would be a set of the set</li></ol>	ntrol non-regulated OSV emissions to develop be available for use in situations where the tanker o availability of CAECS operator, tanker stack
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Identification and description of all necessary equipment:



#### Equipment:

1. 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:

2. Tanker Capture and Control Equipment

### Estimated Completion Date:

2. Contingent upon 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.

## 4. DIVISION OF ROLES AND RESPONSIBILITIES

Division of responsibilities for enacting infrastructure:

Port:

- Provide equipment or necessary infrastructure at terminal as determined through Terminal's Permit (lease) with the Port
- Responsibility of uncontrolled emissions due to construction as determined by the Terminal's Permit (lease) with the Port
- Responsibility of uncontrolled emissions from repair of Port owned infrastructure/equipment

<u>Terminal:</u>

- Initiation of construction through the Application for Port Permit (APP) process
- Provide equipment or necessary infrastructure at terminal as determined through Terminal's Permit (lease) with the Port
- Responsibility of uncontrolled emissions due to construction as determined by the Terminal's Permit (lease) with the Port
- Responsibility of uncontrolled emissions from repair of Terminal owned infrastructure/equipment

Are there any contractual limitations applicable to the terminal relevant to enacting the infrastructure? If yes, describe.



Tanker Berthing is currently restricted by pilots to port side docking which does not allow for the use of waterfront at B169 for CAECS equipment placement. For larger vessels, placing the CAECS equipment aft of the stern or starboard side may cause the equipment to impinge on navigation or Rio Tinto Lease lines.

Port approval of responsibilities:

By signing below, the port's responsible officer confirms that he/she has reviewed the division of responsibilities and agrees to them under penalty of perjury.

Name: Michael DiBernardo	Title: Deputy Executive Director
Port: Port of Los Angeles	
Signature: Michael DiBernardo	Date: 11/16/2021

### **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:
	November 16, 2021