



## L.A. Harbor Terminal (Kinder Morgan) 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: Casey Alleman	
Phone Number: 337-852-5548	Email: <a href="mailto:casey_alleman@kindermorgan.com">casey_alleman@kindermorgan.com</a>
<i>Berths Included in this Plan:</i>	
<u>Name:</u>	<u>Approximate Geographic Boundary Coordinates:</u> *
1. Berth 118/119	1. [33° 45'22.39"N 118° 16'52.03"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	
<i>Strategy/strategies used to comply with the requirements for ocean-going vessels visiting each berth:</i>	
1. Emissions Capture and Control - Barge Based	
2.1 Strategy 1 - Emissions Control Barge (3 <sup>rd</sup> Party Service Provider)	
<i>Identification and description of all necessary equipment:</i>	
<u>Equipment:</u>	<u>Location:</u>
1. Preconditioning Chamber.	1. Barge
2. Cloud Generation Chambers.	2. Barge
3. System ID Fan.	3. Barge
4. Selective Catalytic Reduction (SCR).	4. Barge
5. Heater (Burner).	5. Barge
6. Heat Exchanger.	6. Barge
7. Exhaust Intake Bonnet (EIB).	7. Barge
8. Articulating Arm.	8. Barge
9. Placement Tower.	9. Barge
Number of vessels expected to use this strategy (annual): 40	
<i>Berths where equipment will be used:</i>	
Berth 118/119	
<i>Schedule for installing equipment:</i>	
<u>Project:</u>	<u>Estimated Completion Date:</u>
1. Emission Control Barge	1. Kinder Morgan will contract with a 3 <sup>rd</sup> party service upon CARB certification of a barge based CAECS for liquid bulk vessels.
3. TERMINAL/PORT BERTHING RESTRICTIONS	
<i>Are there any terminal or port specific berthing restrictions? If yes, please describe.</i>	
N/A	



#### 4. DIVISION OF ROLES AND RESPONSIBILITIES

*Division of responsibilities for enacting infrastructure:*

Port:

Permit the operation of Emission Control Barge in POLA waterways.

Terminal:

Contract with 3<sup>rd</sup> party service provider.

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

N/A

*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: 11/15/2021

#### 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: *John Ririe*

Title: *Director, Engineering*

Signature: *J Ririe*

Date: *10/12/21*