



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

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## Los Angeles Regional Water Quality Control Board

October 7, 2015

Mr. Antonio V. Gioiello  
Chief Harbor Engineer, Port of Los Angeles  
Post Office Box 151  
San Pedro, CA 90733-0151

### TENTATIVE WASTE DISCHARGE REQUIREMENTS BERTHS 212-224 REVELOPMENT (FILE NO. 14-097)

Dear Mr. Gioiello:

We have completed our review of your application to this Board for revised waste discharge requirements for your proposed discharge of wastes. Enclosed are copies of tentative waste discharge requirements (WDRs) and a receiving water monitoring program for dredging and disposal of dredged material from the Berths 212-224 Redevelopment Project, Port of Los Angeles, Los Angeles County. A copy of our Standard Provisions, General Monitoring and Reporting Requirements (Attachment N) also is enclosed.

In accordance with the California Water Code, this Board, at a public meeting to be held on December 10, 2015, at 9:00 a.m., at the Metropolitan Water District Board Room, located at 700 N. Alameda St., Los Angeles, California, will consider the enclosed tentative requirements and comments submitted in writing regarding any or all portions thereof. The Board will hear any testimony pertinent to these discharges and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

Written comments and any exhibits must be submitted to the Executive Officer not later than **November 10, 2015**. Failure to comply with this requirement is grounds for the Regional Board to refuse to admit the proposed written comment or exhibit into evidence (Title 23 CCR Section 648.2). If materials are not submitted in a timely manner, the Regional Board may refuse to admit written testimony into evidence unless the proponent can demonstrate why he or she was unable to submit the material on time or that compliance with the deadline would otherwise create a hardship. If any other party demonstrates prejudice resulting from admission of written testimony or exhibits not timely submitted, the Regional Board may refuse to admit it.

Should you have any questions, please telephone me at (213) 576-6718.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Michael Lyons".

J. MICHAEL LYONS  
Staff Environmental Scientist

Enclosures

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CHARLES STRINGER, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles)

cc: Bill Orme, Non-point Source Unit, SWRCB  
Jennifer Fordyce, Office of Chief Counsel, SWRCB  
Larry Simon, California Coastal Commission (San Francisco)  
Bill Paznokas, California Department of Fish and Game (San Diego)  
Theresa Stevens, U.S. Army Corps of Engineers (Ventura)  
Allan Ota, U.S. Environmental Protection Agency (San Francisco)  
Carol Roberts, U.S. Fish and Wildlife Service (Carlsbad)  
Bryant Chesney, National Marine Fisheries Service (Long Beach)  
Rita Kampalath, Heal the Bay  
Kathryn Curtis, Port of Los Angeles  
Edward Han, Port of Los Angeles

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

**ORDER NO. R4-2014-0228-A01**

**WASTE DISCHARGE REQUIREMENTS  
FOR  
PORT OF LOS ANGELES  
(BERTHS 212-224 REDEVELOPMENT)  
(FILE NO. 14-097)**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds:

1. Order No. R4-2014-0228 (adopted on December 4, 2014) authorized the Port of Los Angeles (POLA) to perform terminal improvements and maintenance dredging operations at Berths 212-224 (Yusen Terminals, Inc.) at Terminal Island in Los Angeles Harbor, Los Angeles County. The order authorized dredging of a maximum of 27,000 cubic yards of sediment from Berths 214-216 and Berths 217-220, as well as disposal within the POLA Confined Disposal Facility (CDF) located at Berths 243-245. POLA has completed dredging of approximately 5,200 cubic yards of contaminated dredged material in the vicinity of Berths 214-216 and disposal within the Berths 243-245 CDF.
2. The City of Los Angeles Harbor Department filed a petition with the State Water Resources Control Board (State Board) on January 5, 2015, requesting review of the Waste Discharge Requirements contained in Order R4-2014-0228 issued by the California Regional Water Quality Control Board, Los Angeles Region. The Petitioner requested that the State Board amend the Order to allow for ocean disposal of up to 21,800 cubic yards of dredged material at the LA-2 ocean disposal site approved by the U.S. Army Corps of Engineers, United States Environmental Protection Agency and the Los Angeles Region Contaminated Sediments Task Force. State Board did not take any action on the petition within the mandated statutory time frame.
3. The City of Los Angeles, acting through its Board of Harbor Commissioners, filed a lawsuit against the California Regional Water Quality Control Board, Los Angeles Region, in Los Angeles County Superior Court (Case No. BS154971) on April 4, 2015, challenging the action taken by the Regional Board in adopting the Waste Discharge Requirements in Order R4-2014-0228. A hearing on this matter has been scheduled for March 23, 2016.

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September 1, 2015

4. At the December 4, 2014, public hearing to consider adoption of the Waste Discharge Requirements, Regional Board staff recommended that no ocean disposal of dredged material at the LA-2 offshore site should be permitted for the proposed project and that all dredged material should be disposed of within the POLA CDF at Berths 243-245. The Port of Los Angeles subsequently submitted a Dredged Material Evaluation Technical Report for YTI Container Terminal Improvements Project at Berths 212-224, Los Angeles Harbor (dated September 30, 2015) providing additional justification for disposal of the dredged material at the offshore LA-2 ocean disposal site.

On December 2, 2014, the United States Environmental Protection Agency (USEPA), transmitted concurrence to the United States Army Corps of Engineers for ocean disposal at the LA-2 ocean dredged material disposal site for up to approximately 21,800 cubic yards of sediments determined to be suitable (non-toxic) for ocean disposal. In September 2005, USEPA adjusted management of the LA-2 ocean disposal site by increasing the maximum annual dredged material disposal quantity from 200,000 cubic yards to 1,000,000 cubic yards. Analysis of monitoring data collected at the LA-2 ocean disposal site since its designation in 1977 found that disposal of dredged material at the site has created no significant impacts to the marine environment, including water quality and sand supply, and has not significantly affected commercial or recreational fisheries in adjacent ocean waters. Consequently, the monitoring frequency at the LA-2 ocean disposal has been reduced to once every ten years. Furthermore, there are twelve designated ocean disposal sites for dredged material in USEPA Region 9, including six along the California coast, and each is being successfully managed according to a Site Management and Monitoring Plan without creating any water quality problems.

Based on evaluation of this additional information, Regional Board staff now recommends approval of ocean disposal of up to 21,800 cubic yards of dredged material at the LA-2 offshore site for the proposed Berths 212-224 Redevelopment project.

5. The project area is located along the East Basin Channel, between the Evergreen Container Terminal and the SA Recycling scrap metal facility, to the north of Vincent Thomas Bridge in Los Angeles Harbor (Figure 1). POLA proposes terminal improvements at Berths 212-224 consisting of dredging, wharf and backland improvements, expansion of the Terminal Island Container Transfer Facility (TICTF) on-dock rail track, and the installation of new cranes and modifications of existing cranes.

Wharf improvements include the installation of sheet piles from Berths 217-220 over a linear distance of approximately 1200 feet, and the installation of sheet and king

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piles from Berths 214-216 over a linear distance of approximately 1400 feet. Wharf improvements also include crane rail extension at Berths 217-220 over a linear distance of approximately 1500 feet. This will allow existing and new 100-foot-gauge gantry cranes to service ships along the berth. Backland improvements consist of pavement repair and concrete runway installation over a linear distance of approximately 5600 feet. TICTF expansion consists of constructing one loading rack over a linear distance of approximately 3200 feet and backland reconstruction (relocation/removal/modification of existing light poles, utilities and fencing) to accommodate the track. The proposed project also includes the installation of four new 100-foot-gauge gantry cranes, and the modification (raising the cranes and extending the boom to accommodate larger ships) of six existing gantry cranes.

6. Dredging will occur at Berths 217-220 to increase the existing depth from -45 feet mean lower low water (MLLW) to -47 feet MLLW (plus 2 feet of allowable overdredging), and at Berths 214-216 to increase the existing depth from -45 feet MLLW to -53 feet MLLW (plus 2 feet of allowable overdredging). Approximately 21,800 cubic yards of sediment will be dredged and the dredged material will be disposed of at the LA-2 Ocean Dredged Material Disposal Site.
7. A sediment characterization study was conducted for Berths 212-224 in June 2013. Core samples were collected at five locations within the area of Berths 214-216 and combined into a single composite (Composite A) for grain size determinations, toxicity testing, bioaccumulation testing and chemical analyses (figure 2). Core samples also were collected at five locations within the area of Berths 217-220 and combined into a single composite (Composite B) for grain size determinations, toxicity testing, bioaccumulation testing and chemical analyses (figure 2).

An additional sub-composite (Composite A – Bottom) was created in November 2013 from the frozen archived core samples from the Berths 214-216 area to create a composite representing the heavy clay sediment found at the bottom of most of the cores collected in this area. Chemical analyses were conducted on this sub-composite material.

8. The sediment characterization results showed that the material to be dredged from Berths 214-216 and 217-220 is predominantly silt-clay (97.1 % silt-clay for Composite A from Berths 214-216 and 80.5% silt-clay for Composite B from Berths 217-220). This material is not suitable for beneficial reuse for beach replenishment.

The initial sediment test results indicated that Composite Area A material was unsuitable for ocean disposal at LA-2, due to significant acute toxicity observed. However, visual observation of the core samples suggested that there was a significant difference in the character of the material present in the top 2-foot layer of

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the core and the lower sections of the cores collected in Composite Area A. Consequently, the bottom portion of Composite Area A was retested for PAHs, PCB congeners, chlorinated pesticides, metals and pyrethroids. Despite the presence of low levels of copper, arsenic, and nickel, there is a low potential for bioaccumulation, and the bottom layer of Composite Area A is deemed to be composed of native clay material and meets the suitability requirements for ocean disposal at LA-2. The remaining unconsolidated material from Composite Area A (the top 2-foot layer) was not suitable for ocean disposal. This material was dredged under Order R4-2014-0228 and disposed of within the Berth 243-245 Confined Disposal Facility.

The Composite Area B material meets the suitability requirements for ocean disposal at LA-2. Although some metals (arsenic, copper and mercury) exceeded the Effects Range-Low thresholds for which toxicity possibly could occur, none of the metals exceeded the Effects Range-Median thresholds for which toxicity would be likely to occur. Acute toxicity was not observed for the Composite Area B material, indicating that these concentrations of metals were not toxic to aquatic organisms. Although some metals (including chromium, copper and lead), some PAHs (including benzo(a) pyrene, benzo(b)fluoranthene, chrysene, fluoranthene and pyrene) and some PCB congeners (including 52, 138 and 158) showed elevated tissue concentrations compared to reference tissue values, comparison to the United States Army Corps of Engineers Environmental Residual Effects Database values showed that none of these constituents were close to the chronic toxicity thresholds for long term bioaccumulation potential.

9. The United States Corps of Engineers (COE) has granted conditional approval for permit application SPL-2013-00113-TS for the Berths 212-224 dredging project. A final permit is expected to be issued after the COE receives the final Waste Discharge Requirements adopted by the Los Angeles Regional Water Quality Control Board.
10. The Port of Los Angeles and the COE prepared a Draft Environmental Impact Statement/Report (EIS/EIR) for the Berths 212-224 YTI Container Terminal Improvements Project. The Board of Harbor Commissioners certified the EIS/EIR on October 16, 2014.
11. The Regional Board adopted a revised Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties on June 13, 1994. The Water Quality Control Plan contains water quality objectives for Los Angeles-Long Beach Harbor. The requirements contained in this Order as they are met will be in conformance with the goals of the Water Quality Control Plan.

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Table 1. Sediment Characteristics (2013) – Berths 212-224 Project.

Parameter	Berths 214-216 (Composite A)	Berths 217-220 (Composite B)	Berths 214-216 (Composite A – Bottom)	Sediment screening thresholds
Grain size: Sand/Gravel	2.9 %	19.5 %	Not analyzed	
Grain size: Silt and Clay	97.1 %	80.5 %	Not analyzed	
Silver	0.183 ppm	0.219 ppm	0.112 (estimated)	ERL = 1 ppm ERM = 3.7 ppm
Arsenic	10.4 ppm	8.77 ppm	8.44 ppm	ERL = 8.2 ppm ERM = 70 ppm
Cadmium	0.499 ppm	0.471 ppm	0.423 ppm	ERL = 1.2 ppm ERM = 9.6 ppm
Chromium	35.2 ppm	32.9 ppm	33.7 ppm	ERL = 81 ppm ERM = 370 ppm
Copper	88.8 ppm	60.1 ppm	54.5 ppm	ERL = 8.2 ppm ERM = 70 ppm
Mercury	0.217 ppm	0.171 ppm	0.110 ppm	ERL = 0.15 ppm ERM = 0.71 ppm
Nickel	26.8 ppm	17.3 ppm	28.5 ppm	ERL = 20.9 ppm ERM = 51.6 ppm
Lead	27.3 ppm	22.4 ppm	11.1 ppm	ERL = 46.7 ppm ERM = 218 ppm
Selenium	0.237 ppm	0.415 ppm	0.339 ppm	Not available
Zinc	112 ppm	112 ppm	85.8 ppm	ERL = 150 ppm ERM = 410 ppm
Total DDT	3.1 ppb	15.1 ppb	< 1.4 ppb	ERL = 1.58 ppb ERM = 46.1 ppb
Total PCB	38.44 ppb	0.86 ppb	<0.68 ppb	ERL = 22.7 ppb ERM = 180 ppb
Total PAH	749 ppb	657 ppb	512 ppb	ERL = 4022 ppb ERM = 44792 ppb

ppm = parts per million; ppb = parts per billion; DDT = dichloro-diphenyl-trichloroethane; PCB = polychlorinated biphenyls; PAH = polynuclear aromatic hydrocarbons; ERL – Effects Range-Low; ERM= Effects Range-Median

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12. The beneficial uses of Los Angeles-Long Beach Harbor (All Other Inner Areas) are: industrial process supply, navigation, water contact recreation (potential), non-contact water recreation, commercial and sport fishing, marine habitat, shellfish harvesting (potential), and preservation of rare, threatened or endangered species (one or more species utilize waters or wetlands for foraging and/or nesting).
13. With proper management of the dredging and disposal operations, the project is not expected to release significant levels of contaminants to the Harbor waters or other State waters nor adversely impact beneficial uses.
14. Dredging and disposal operations will be accomplished through the use of temporary equipment. The Waste Discharge Requirements imposed below will not result in any significant increase in energy consumption.

The Regional Board has notified the Port of Los Angeles and interested agencies and persons of its intent to prescribe Waste Discharge Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

IT IS HEREBY ORDERED that the Port of Los Angeles, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act as amended, and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Requirements

1. The removal and placement of dredged/excavated material shall be managed such that the concentrations of toxic pollutants in the water column, sediments or biota shall not adversely affect beneficial uses.
2. Enclosed bay and estuarine communities and populations, including vertebrate, invertebrate and plant species, shall not be degraded as a result of the discharge of waste.
3. The natural taste and odor of fish, shellfish or other enclosed bay and estuarine resources used for human consumption shall not be impaired as a result of the discharge of waste.

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4. Toxic pollutants shall not be discharged at levels that will bioaccumulate in aquatic resources to levels which are harmful to human health.
5. There shall be no acute toxicity or chronic toxicity in ambient waters as a result of the discharge of waste.
6. Dredging, excavation or disposal of dredge spoils shall not cause any of the following conditions in the receiving waters:
  - a. The formation of sludge banks or deposits of waste origin that would adversely affect the composition of the bottom fauna and flora, interfere with the fish propagation or deleteriously affect their habitat, or adversely change the physical or chemical nature of the bottom.
  - b. Turbidity that would cause substantial visible contrast with the natural appearance of the water outside the immediate area of operation.
  - c. Discoloration outside the immediate area of operation.
  - d. Visible material, including oil and grease, either floating on or suspended in the water or deposited on beaches, shores, or channel structures outside the immediate area of operation.
  - e. Objectionable odors emanating from the water surface.
  - f. Depression of dissolved oxygen concentrations below 5.0 mg/l at any time outside the immediate area of operation.
  - g. Any condition of pollution or nuisance.

B. Provisions

1. The Discharge Requirements specified above are valid only for dredging of a maximum of 21,800 cubic yards of sediment and disposal at the LA-2 ocean disposal site.
2. POLA shall notify the Regional Board immediately by telephone of any adverse conditions in receiving waters or adjacent areas resulting from the removal of dredge materials or disposal operations; written confirmation shall follow within one week.

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3. A copy of this Order shall be made available at all times to project construction personnel.
4. POLA shall provide the following information to the Regional Board:
  - a. A copy of the final permit issued by the United States Corps of Engineers for the dredge and disposal operations.
  - b. The scheduled date of commencement of each dredging and disposal operation at least one week prior to initiation of dredging.
  - c. Notice of termination of dredging and disposal operations, within one week following the termination date.
5. POLA shall submit, under penalty of perjury, technical reports to the Regional Board in accordance with specifications prepared by the Executive Officer.
6. In accordance with section 13260(c) of the Water Code, POLA shall file a report of any material change or proposed change in the character, location, or volume of the waste.
7. These requirements do not exempt POLA from compliance with any other laws, regulations, or ordinances which may be applicable: they do not legalize this waste discharge, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
8. In accordance with Water Code section 13263(g), these requirements shall not create a vested right to continue to discharge and are subject to rescission or modification. All discharges of waste into waters of the State are privileges, not rights.
9. This Order includes Attachment N: "Standard Provisions, General Monitoring and Reporting Requirements" ("Standard Provisions") and the attached Monitoring and Reporting Requirements, both of which are incorporated herein by reference. If there is any conflict between provisions stated hereinbefore and said "Standard Provisions", those provisions stated hereinbefore prevail. If there is any conflict between requirements stated in the attached Monitoring and Reporting Program and said "Standard Provisions", the former shall prevail.

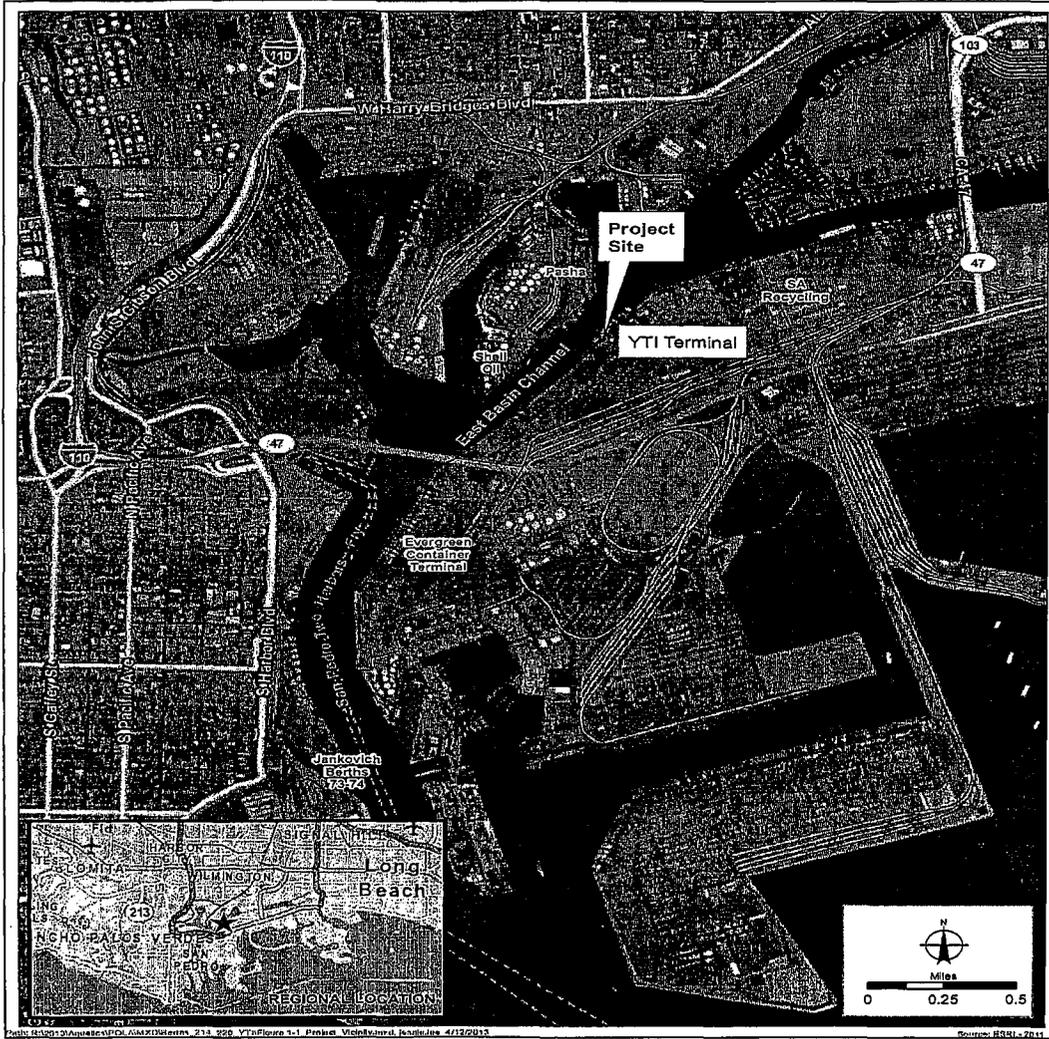
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10. This Order fulfills the requirements for a Clean Water Act Section 401 Water Quality Certification for the proposed project. Pursuant to section 3860 of title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:
  - a. this certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and Article 6 (commencing with 23 CCR section 3867);
  - b. this certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought;
  - c. this certification is conditioned upon total payment of any fee required pursuant to 23 CCR division 3, chapter 28, and owed by the applicant.
  
11. This Order shall expire on December 31, 2017.

I, Samuel Unger, P.E., Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on December 10, 2015.

SAMUEL UNGER, P.E.  
Executive Officer

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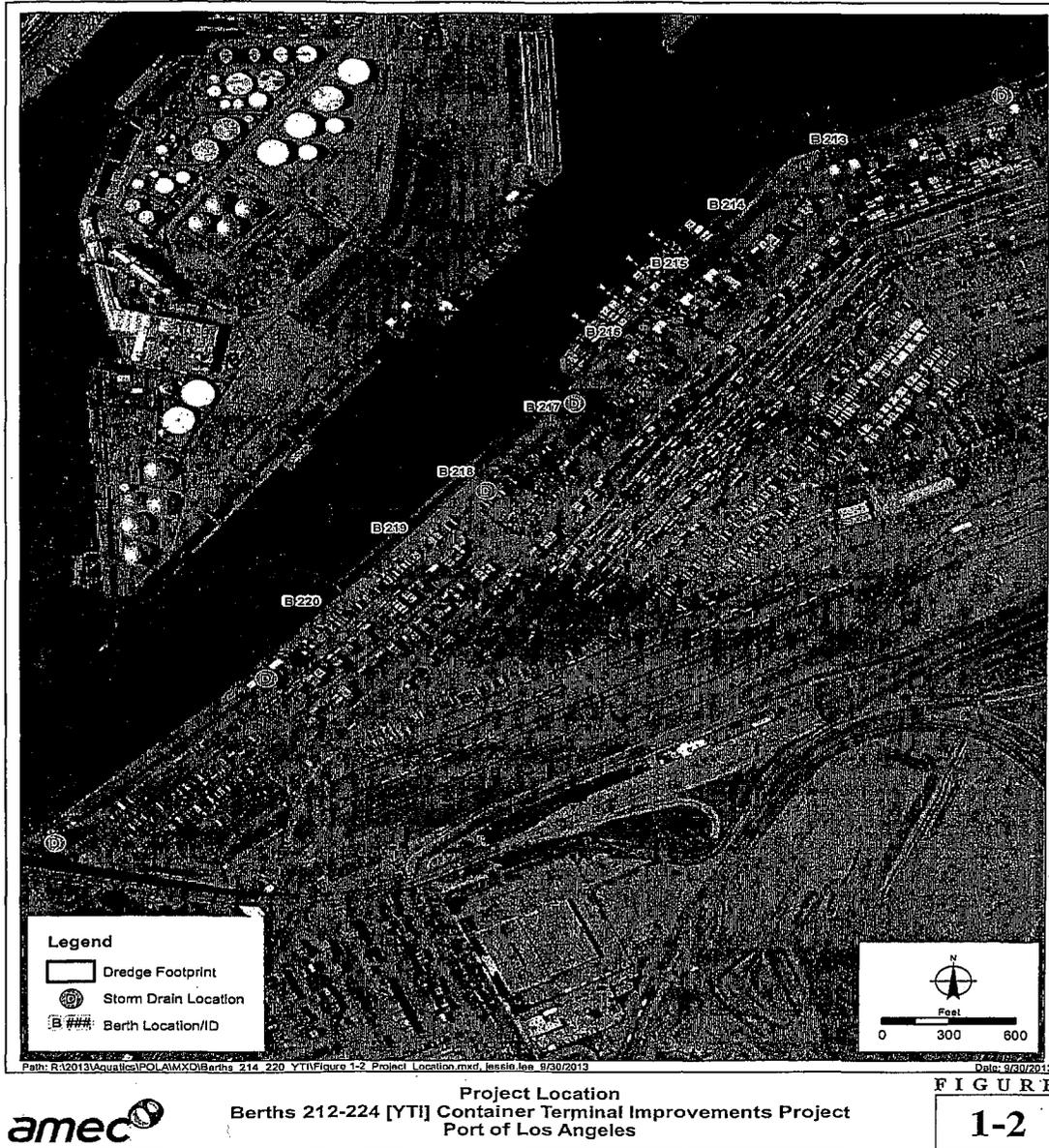


**amec** Project Vicinity  
Berths 212-224 [YTI] Container Terminal Improvements Project  
Port of Los Angeles

FIGURE  
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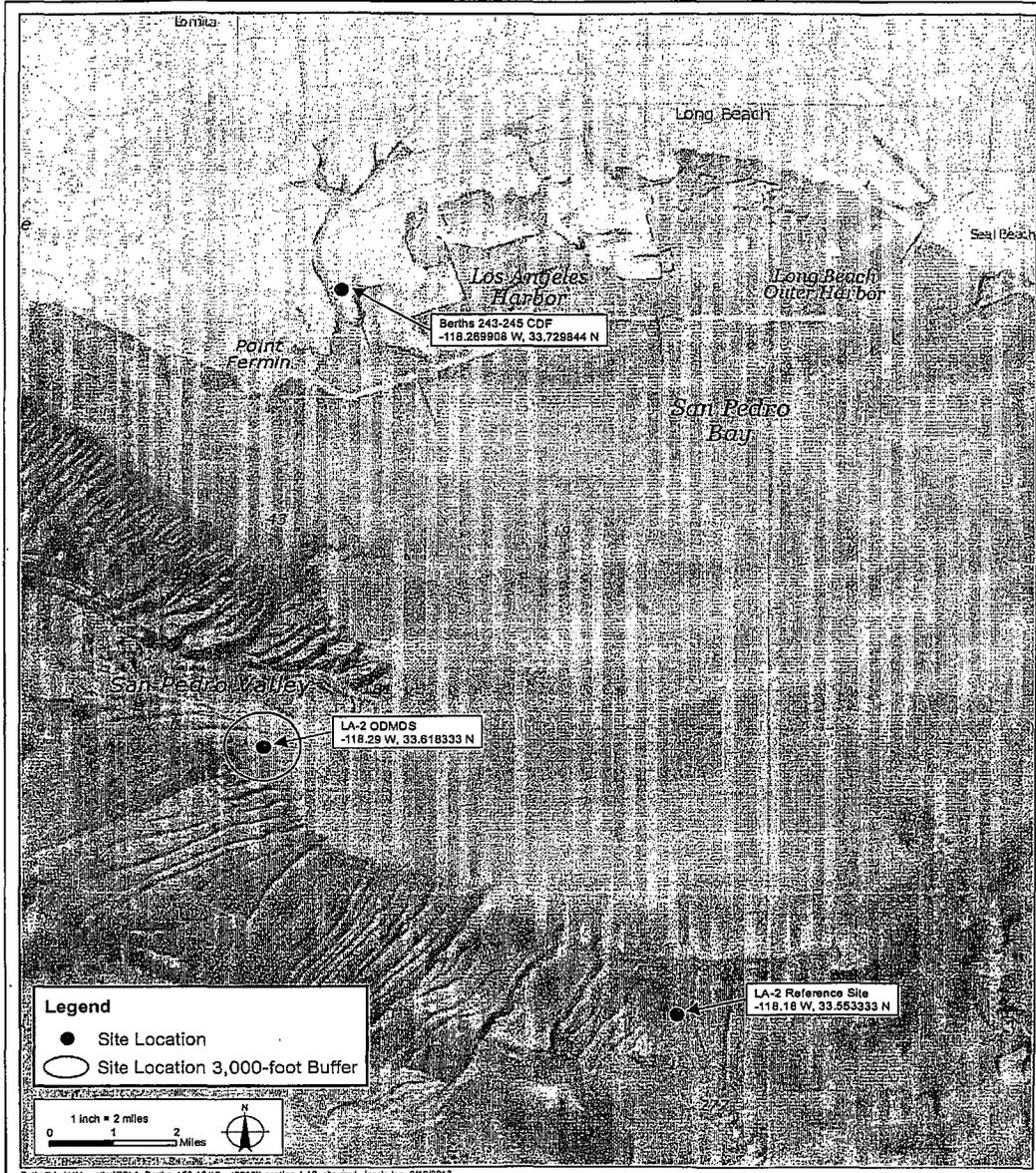
Figure 1.  
Location map for Berths 212-224 Redevelopment Project in Los Angeles Harbor.

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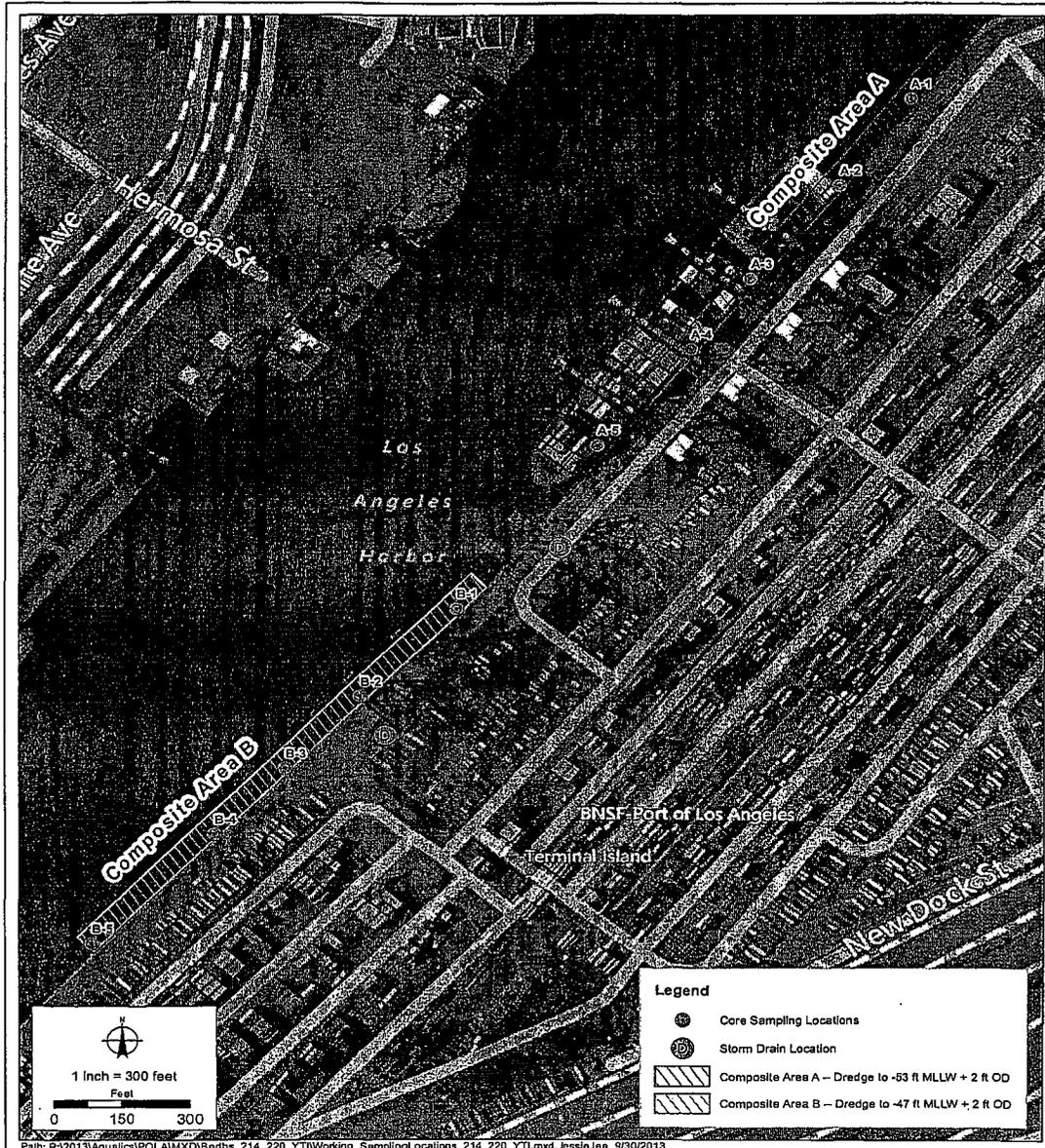
Figure 2.  
Dredging footprint for Berths 212-224 Redevelopment Project.



**FIGURE**  
**1-3**  
Location of LA-2 Ocean Dredged Material Disposal and Reference Sediment Collection Sites

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Figure 3.  
Location of Berths 243-245 Confined Disposal Facility and LA-2 Ocean Disposal Site.



Core Sampling Locations  
Berths 212-224 [YTI] Container Terminal Improvements Project  
Port of Los Angeles

FIGURE  
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Figure 4.  
Location of core sampling locations for sediment characterization study.

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 10115  
FOR  
PORT OF LOS ANGELES  
(BERTHS 212-224 REDEVELOPMENT)  
(FILE NO. 14-097)

1. Receiving Water Monitoring

The following sampling protocol shall be undertaken by the Port of Los Angeles (POLA) during the proposed dredging project and eelgrass mitigation project. Sampling for the receiving water monitoring shall commence at least one week prior to the start of the dredging and fill operations and continue at least one week following the completion of all such operations. Sampling shall be conducted a minimum of once a week during dredging operations. Sampling shall be conducted down current of the dredge sites at least one hour after the start of dredging operations. All receiving water monitoring data shall be obtained via grab samples or remote electronic detection equipment. Receiving water samples shall be taken at the following stations:

<u>Station</u>	<u>Description</u>
A	Station A is located approximately 200 feet beyond the construction project boundary. This station represents an early-warning screening station to determine if Best Management Practices may need to be implemented.
B	Station B is located approximately 300 feet beyond the construction project boundary. This station defines the dredging mixing zone boundary, beyond which temporary water quality impacts related to dredging activities are not to occur.
C	Station C is located approximately 1,500 feet from the construction project boundary. This station defines the harbor background and provides a baseline for comparison to determine if temporary water quality impacts are present at Station B.

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The following shall constitute the receiving water monitoring program:

Water Column

<u>Monitoring Parameters</u>	<u>Units</u>	<u>Station</u>	<u>Frequency</u>
Dissolved oxygen <sup>1</sup>	mg/l.	A-C	Weekly <sup>2</sup>
Light transmittance <sup>1</sup>	% Transmittance	" "	"
pH <sup>1</sup>	pH units	" "	"
Suspended solids <sup>3</sup>	mg/l	" "	"

<sup>1</sup>Measurements shall be taken throughout the water column (at a minimum, at 2-meter increments).

<sup>2</sup>During the first two weeks of dredging, stations shall be sampled two times per week.

<sup>3</sup>Mid-depth shall be sampled

Water column light transmittance values from Stations A and C, and from Stations B and C shall be compared for the near surface (1 meter below the surface), for mid-water (averaged values throughout the water column, excluding the near surface and bottom) and for the bottom (1 meter above the bottom). When the difference in % light transmittance between stations A and C (for the near surface, mid-water or bottom) is 30% or greater, POLA shall notify the contractor and implement additional BMPs to reduce turbidity. Stations B and C shall be resampled after BMPs have been in place for at least 2 hours. If after resampling, light transmittance values still exceed the 30% trigger, then water samples shall be collected on the first date of exceedance at mid-depth (or the depth at which the maximum turbidity occurs) and analyzed for trace metals, DDTs, PCBs and PAHs (these chemical analyses do not need to be performed on the second or third day following the first exceedance, but will be required on days two and three whenever subsequent exceedance events occur). At a minimum, one set of water samples shall be collected and analyzed for these chemical constituents during the first month of the dredging operation, even if no exceedances of the light transmittance criteria occur.

In the event that the water column light transmittance values from Stations B and C exceed the 30% trigger described above, POLA shall conduct light transmittance monitoring described above daily until two consecutive days with no exceedances have been demonstrated. POLA shall notify the Regional Board, the California Coastal Commission, the United States Environmental Protection Agency and the United States Army Corps of Engineers within 24 hours following observance of a transmissivity exceedance. POLA shall investigate whether the exceedance is due to obvious dredging operational problems and can be corrected easily and quickly. However, if the turbidity problem persists or recurs, POLA shall look for other causes of the problem and evaluate whether additional, more aggressive best management practices are required to eliminate the exceedances; this evaluation shall be performed in consultation with the four regulatory agencies listed above.

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Color photographs shall be taken at the time of sampling to record the presence and extent of visible effects of dredging operations. These photographs shall be submitted with the receiving water monitoring reports.

POLA shall provide Regional Board staff with a receiving water monitoring program field schedule at least one week prior to initiating the program. Regional Board staff shall be notified of any changes in the field schedule at least 48 hours in advance.

## 2. Observations

The following receiving water observations shall be made and logged daily during dredging or excavating operations:

- a. Date and time;
- b. Direction and estimated speed of currents;
- c. General weather conditions and wind velocity;
- d. Tide stage;
- e. Appearance of trash, floatable material, grease, oil or oily slick, or other objectionable materials;
- f. Discoloration and/or turbidity;
- g. Odors;
- h. Depth of dredge operations during previous day;
- i. Amount of material dredged the previous day;
- j. Cumulative total amount of material dredged to date.

## 3. General Provisions

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" promulgated by the United States Environmental Protection Agency.

All chemical analyses shall be conducted at a laboratory certified for such analysis by the California Department of Public Health, Environmental Laboratory Accreditation Program (ELAP), or approved by the Executive Officer.

POLA shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted by third parties under POLA supervision.

A grab sample is defined as an individual sample collected in fewer than 15 minutes. All samples shall be representative of the waste discharge under normal operating conditions.

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## 5. Reporting

Monitoring reports shall be submitted within 10 days following each weekly sampling period. In reporting, POLA shall arrange the monitoring data in tabular form so that dates, time, parameters, test data, and observations are readily discernible. The data shall be summarized to demonstrate compliance with the waste discharge requirements. A final report, summarizing the results of the weekly monitoring and reporting the total volume discharged, shall be submitted within one month of completion of the project.

Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.

Each monitoring report must affirm in writing that:

All analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health or approved by the Executive Officer and in accordance with current EPA guidelines or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in the Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

## 6. General Provisions for Reporting

For every item where the requirements are not met, POLA shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

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Monitoring and Reporting Program No. xxxx  
Port of Los Angeles  
Berths 212-224 Redevelopment

Order No. R4-2014-0228-A01

Executed on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,  
at \_\_\_\_\_.

\_\_\_\_\_(Signature)

\_\_\_\_\_(Title)"

These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by:

\_\_\_\_\_  
Samuel Unger, P.E.  
Executive Officer

Date: December 10, 2015

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