



Los Angeles Regional Water Quality Control Board

June 9, 2017

Heather Tomley Port of Long Beach 4801 Airport Plaza Drive Long Beach, CA 90815

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED No. 7016 3460 0001 6365 8462

Dear Ms. Tomley:

RE: CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER FOR THE FIREBOAT STATION RELOCATION (4WQC40116146)

Enclosed please find a CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER, authorized by Los Angeles Regional Water Quality Control Board Executive Officer, Samuel Unger. This Order is issued to Heather Tomley, Port of Long Beach for Fireboat Station Relocation (Project). Attachments A through C of the Enclosure are also part of the Order.

This Order is issued in response to an application submitted by Port of Long Beach for proposed Project discharges to waters of the state, to ensure that the water quality standards for all waters of the state impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed Order.

If you require further assistance, please contact Valerie CarriloZara by phone at (213) 576-6759 or by email at Valerie.CarrilloZara@waterboards.ca.gov. You may also contact me by phone at (213) 576-6785 or by email at LB.Nye@waterboards.ca.gov.

Sincerely.

LB Nye, Senior Environmental Scientist Section 401 Certification and Wetlands Unit Los Angeles Water Quality Control Board

Enclosures (1): Order for Fireboat Station Relocation, File No. 16-146

Fireboat Station Relocation

Reg. Meas. ID: 410242 Place ID: 829848 File No.: 16-146

cc: [Via email only] (w/ enclosure):

Heather Tomley
Port of Long Beach

Bill Orme CWA Section 401 WQC Program Division of Water Quality State Water Resources Control Board

Melissa Scianni U.S. Environmental Protection Agency, Region 9

Lisa Mangione U.S. Army Corps of Engineers

G. Mendel Stewart Johnathan Snyder U.S. Fish and Wildlife Service

California Coastal Commission 200 Oceangate, 10th Floor Long Beach, CA 90802





Los Angeles Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: June 9, 2017

Reg. Meas. ID: Place ID:

410242 829848

Program Type: Fill/Excavation

WDID:

4QWC40116146

NWP:

USACOE#:

SPL-2015-00872-LM

R4 File No

16-146

Project Type: Boating and Navigation

Project: Fireboat Station Relocation (Project)

Applicant: Port of Long Beach

Applicant Contact: Heather Tomley

Port of Long Beach 4801 Airport Plaza Drive Long Beach, CA 90815 Phone: (562) 283-7100

Email: heather.tonley@polb.com

Water Board Staff: Valerie Carrillo Zara

Engineering Geologist 320 W. 4th Street, Suite 200 Los Angeles, CA 90013 Phone: (213) 576-6759

Email: Valarie.carillozara@waterboards.ca.gov

Water Board Contact Person:

If you have any questions, please call Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) Staff listed above or (213) 576-6600 and ask to speak with the Water Quality Certification and Wetlands Unit Program Manager.

Reg. Meas. ID: 410242 Place ID: 829848 File No. 16-146

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I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of Port of Long Beach (herein after Permittee) for the Project. This Order is for the purpose described in application submitted by the Permittee. The application was received on October 28, 2016. The application was deemed complete on December 16, 2016.

II. Public Notice

The Los Angeles Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from November 11, 2016 to the effective date of this Order. The Los Angeles Water Board did not receive any comments during the comment period.

III. Project Purpose

Fireboat Station Number 20 was initially located at Pier D, Berth D-37. Due to the Gerald Desmond Bridge Replacement project, Fireboat Station Number 20 was moved to its current, interim location at Berth D-34. The Port of Long Beach (POLB) is planning to relocate Fireboat Station Number 20 from its current, interim location to its proposed permanent location at Berths D-51 and D-52.

IV. Project Description

Waterside improvements will include: construction of a concrete wharf; installation of a covered boat bay structure; construction of a floating dock; construction of an access ramp; installation of a positioning dolphin; installation of utility improvements; and replacement of the existing bulkhead with a new, sheet-pile bulkhead structure.

Details of the construction activities are as follows:

- Construction of an 18,700-square-foot concrete wharf structure. Up to 115, 24-inch-diameter, 100-foot-long octagonal, precast, prestressed concrete piles will be driven to an elevation of -75 feet mean lower low water (MLLW) to support the wharf. In addition, up to 60, 12-inch-diameter, 50-foot-long circular composite (fiberglass reinforced polymer with high density polyethylene) fender piles will be driven along the face of the wharf, and up to 10, 36-inch circular steel pipe donut fender piles will be driven to an elevation of approximately -60 ft. MLLW. These additional piles are required to protect the wharf from vessels and are not designed to support any load.
- •Construction of a 13,860-square-foot covered boat bay structure. The boat bay structure is a prefabricated metal structure anchored to the wharf via structural steel columns. No excavation, fill, or grading will be required for installation of the covered boat bay structure.
- Construction of a 2,000-square-foot floating dock.
- •Installation of a positioning dolphin. The positioning dolphin will extend above the water level and will not be connected to shore. The dolphin will include up to 10, 36-inch-diameter, 100-foot-long steel pipe piles driven to a tip elevation of-70 feet MLLW at the mouth of the boat bay.

•Construction of a 40-foot-long by 5.5-foot-wide aluminum gangway access ramp on the southern side of the boat bay. The gangway access ramp will provide access to the floating dock. No piles will be required for the access ramp as it will be supported from the wharf and floating dock.

- •Utility improvements. Utility improvements will include shore emergency power, communications and security, sewer pumping and storage, potable water supply, compressed air, and electricity.
- •Installation of a 230-foot-long sheet-pile wall constructed five feet in front of (i.e., waterside of) the existing reinforced concrete sheet-pile bulkhead. The wall will be installed by driving sheet piles through the existing rock mat at the mud line. The sheet-pile wall will be a wall system consisting of an HZ1080M steel H-pile connected with AZ26 steel sheet piles. The combi-wall will be anchored at the top by an estimated 40, 1.38-inch-diameter tie-down anchor rods grouted in the soil.

The new sheet-pile bulkhead will be installed prior to removal of the existing bulkhead. The sheet-pile structure will be installed five feet in front (i.e., waterside) of the existing bulkhead. The area between the new sheet-pile bulkhead and the existing bulkhead will be dewatered and backfilled with approximately 1,000 cubic feet of concrete slurry. In order to install the new sheet-pile wall in front of the deteriorating existing bulkhead, approximately 800 cubic yards of an existing rock mat will need to be removed by use of a clamshell excavator mounted on a derrick barge. The existing bulkhead (on the landside) may be removed or partially removed once the new sheet-pile wall is installed. Depending on field conditions, a portion of the existing bulkhead may be left in place to provide structural integrity; depending upon the complexity of the removal, the remainder of the existing bulkhead may be removed.

- •Fill behind (i.e., landside of) the new sheet-pile wall. Fill will consist of approximately 1,000 cubic yards of concrete slurry spread over an approximately 0.03-acre (235' x 5') area. Installation of the new sheet-pile wall will result in the loss of 0.03 acres of waters of the U.S. due to dewatering of the area behind the new breakwater. The placement of fill material behind the sheet-pile wall will occur after the conversion of the 0.03-acre area into uplands.
- •Excavation of up to 800 cubic yards of rock, as needed, from the toe of the existing bulkhead during installation of the new sheet pile bulkhead. The actual quantity of rock that will need to be removed is dependent on the size and location of impenetrable material encountered during installation of the new sheet-pile bulkhead. Any rock removed will be disposed of at a designated upland location.

Equipment used for in-water activities will include excavators, concrete pumps, derrick barges, barges, impact hammers or vibratory drivers, vibratory excavators, compressors, and generators. Piles will be driven by standard pile driving methods using an impact diesel or hydraulic hammer. Jetting may be used if needed to drive piles through hard soil layers. Project activities will be conducted from barges and landside areas.

V. Project Location

The proposed project will take place in the City of Long Beach, in Los Angeles County. A map showing the Project location is found in Attachment B of this Order.

<u>Latitude</u>	<u>Longitude</u>
33.770865	-118.209577
33.770648	-118.209682
33.770476	-118.209228
33.770691	-118.208988

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Los Angeles Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at:

http://www.waterboards.ca.gov/plans_policies/. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

Receiving Water:

Los Angeles - Long Beach Harbor, all other inner areas

(Hydrologic Unit Code: 180701040602)

Designated Beneficial

IND, NAV, REC-1, REC-2, COMM, MAR, RARE, SHELL

Uses:

VII. Description of Direct Impacts to Waters of the State

Permanent direct impacts to water of the State will be habitat disturbance caused by installation of the new 230 linear feet sheet- pile structure and loss of 0.03 acres of habitat.

Total Project fill/excavation quantities for all impacts are summarized in Table 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 2: Total Pr	oject Fill	Excavat	tion Qua	antity					
						Permane	ent Impact		
Aquatic Resource Type	Temporary Impact ¹		Physical Loss of Area			Degradation of Ecological Condition Only			
	Acres	CY ²	LF	Acres	CY	LF	Acres	CY	LF
Ocean/bay/ estuary				0.03		230			

VIII. Compensatory Mitigation

¹ Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

² Cubic Yards (CY); Linear Feet (LF)

The Permittee will mitigate the loss of 0.03 acres of waters by deducting 0.015 credits from the existing Bolsa Chica Mitigation Bank (0.5 credit per 1.0 acre of inner harbor)

IX. California Environmental Quality Act (CEQA)

On July 11, 2016, the Port of Long Beach, as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) (State Clearinghouse (SCH) No.2016041048) for the Project and filed a Notice of Determination (NOD) at the SCH on July 13, 2016. The Los Angeles Water Board is a responsible agency under CEQA (Pub. Resources Code, § 21069) and in making its determinations and findings, must presume that Port of Long Beach's adopted environmental document comports with the requirements of CEQA and is valid. (Pub. Resources Code, § 21167.3.) The Los Angeles Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by Port of Long Beach addresses the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f).) The environmental document includes the mitigation monitoring and reporting program (MMRP) developed by Port of Long Beach for all mitigation measures that have been adopted for the Project to reduce potential significant impacts. (Pub. Resources Code, § 21081.6, subd. (a)(1); Cal. Code Regs., tit. 14, § 15074, subd. (d).)

X. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XI. Fees Received

An application fee of \$600.00 was received on October 28, 2016. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator. An additional fee of \$3,615.00 based on total Project impacts was received on January 27, 2017.

XII. Conditions

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 2.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and

Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

a. Annual Reporting: The Permittee shall submit an Annual Report each year on the anniversary of Project effective date. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

2. Project Status Notifications

- a. Request for Notice of Completion of Discharges Letter: The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Los Angeles Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.
- b. Request for Notice of Project Complete Letter: The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,³ and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.
- **3. Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.
 - a. Accidental Discharges of Hazardous Materials⁴

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- As soon as (A) Permittee has knowledge of the discharge or noncompliance,
 (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
 - first call 911 (to notify local response agency)
 - then call Office of Emergency Services (OES) State Warning Center at:

³ Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

⁴ "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

(800) 852-7550 or (916) 845-8911

- Lastly follow the required OES procedures as set forth in: http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf
- **ii.** Following notification to OES, the Permittee shall notify Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.
- b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
 - i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
 - ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order. Click here to enter text.

- **d.** Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after notice to the Los Angeles Water Board in accordance with the following terms:
 - i. The Permittee must notify the Los Angeles Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Los Angeles Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.
 - ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. Accidental Discharges/Noncompliance: Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. In-Water Work:

During planned work in water any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.
- **b.** Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.
 - For that area known as the Outer Harbor area of Los Angeles-Long Beach Harbors, the mean annual dissolved oxygen concentrations shall be 6.0 mg/L or greater, provided that no single determination shall be less than 5.0 mg/L
- c. pH. The pH of bays or estuaries shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.2 units from natural conditions as a result of waste discharge
- **d.** Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Baseline sampling may be conducted at one location within the project boundary for each phase. All other sampling shall take place at a minimum of two locations. Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. Sampling shall be conducted in accordance with Table 3 sampling parameters.⁵

⁵ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Los Angeles Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water.

Table 3: Sample Type ar	nd Frequency Require	ements	
Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
рН	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

D. Standard

- 1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
- 2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- 3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
- 4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

- 2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
- 3. In response to a suspected violation of any condition of this Order, the Los Angeles Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
- 4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
- 5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
- 6. Construction General Permit Requirement: The Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002).

F. Administrative

- 1. Signatory requirements for all document submittals required by this Order are presented in Attachment A of this Order.
- 2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for

meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

- 3. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
 - **a.** Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
 - **b.** Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
 - **c.** Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
 - d. Sample or monitor for the purposes of assuring Order compliance.
- 4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
- **5.** A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

G. Best Management Practices

Good Site Management "Housekeeping"

- The Permittee shall ensure that no debris, soil, silt, sand, sawdust, rubbish, cement or
 concrete washings thereof, oil or petroleum projects, from construction shall be
 allowed to enter into or placed where it may be washed by rainfall or runoff into
 waters of the United States. The Permittee is not authorized to discharge water that
 has contacted uncured concrete or cement, or related washout to surface waters,
 ground waters, or land.
- Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall not result in a discharge or a threatened discharge to any waters of the state. The Permittee shall not use leaking vehicles or equipment within waters of the state or where leaking materials may discharge to waters of the state. Fuels for construction and operation will be stored in enclosed storage containers and away from storm drain inlets and drainage systems.
- BMPs for erosion, sediment and turbidity control shall be implemented and in place at commencement of, during and after any ground-clearing activities or any other project activities that could result in erosion or sediment discharges to surface water.
- The project shall comply with the local regulations associated with the Regional Board's Municipal Stormwater Permit issued to the City of Long Beach under NPDES No.

CAS004003 and Waste Discharge Requirements Order No. R4-2014-0024. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity, Order No. 2012-0011-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.

- All landside and waterborne equipment will be maintained in good proper running order to prevent leaking or spilling of hydraulic fluid, diesel, gasoline and other petroleum products into coastal waters. Any leaking equipment shall be promptly repaired, leaks contained, or equipment removed from the project site.
- The Applicant will ensure that all appropriate personnel will have emergency spill
 equipment and cleanup material available whenever working near or on the water and
 that current hazardous material spill prevention and cleanup plans are maintained and
 kept on site.
- The Applicant will use only clean construction materials suitable for use in the oceanic environment.
- Should any debris (e.g. pile cut-offs) inadvertently enter the ocean, the debris should be removed immediately and placed in designated trash containment areas on land. Upon completion of the Project, all excess materials or debris shall be completely removed from the work area and taken to a legal point of disposal.
- All pile driving will initiate with a soft start, to minimize potential water quality and noise impacts.
- Prior to the start of construction activities associated with the proposed Project, the Applicant shall prepare a debris management plan and oil spill contingency plan.

Eelgrass

Prior to project construction, the Applicant will perform a pre-project eelgrass survey
at the project site in accordance with the California Eelgrass Mitigation Policy (CEMP)
and special condition of the U.S. Army Corps of Engineers permit.

H. Compensatory Mitigation for Permanent Impacts⁶

1. Purchase of Mitigation Credits by Permittee for Compensatory Mitigation

a. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Los Angeles Water Board within 90 days of authorized impacts.

⁶ Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

b. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until Los Angeles Water Board staff has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

2. Total Required Compensatory Mitigation

a. Total required Project compensatory mitigation for permanent physical loss of area is summarized in Table 4. Permittee will be using the ACOE-approved Bolsa Chica Mitigation Bank for this mitigation. The Bolsa Chica Mitigation Agreement of 1996, as amended on November 25, 2002, establishes a mitigation ratio of one mitigation credit for two acres of inner harbor impact in accordance with the California Eelgrass Mitigation Policy (CEMP)

Table 4: Required Project Compensatory Mitigation Quantity for Permanent Physical Loss of Area ⁷								
			Method ⁹					
Aquatic Resource Type	Comp Mit. Type ⁸	Units	Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Ocean/ Bay/ Estuary	МВ	Acres		0.015				

⁷ For Staff use only: Record quantities in CIWQS table side A for Compensatory Mitigation for Permanent Physical Loss of Area.

⁸ Compensatory mitigation type may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR)

⁹ Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

XIII. Water Quality Certification

I hereby issue the Order for the Fireboat Station Relocation, 4WQC40116146 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

Samuel Unger, PE Executive Officer

Los Angeles Water Quality Control Board

Date

Reg. Meas. ID: 410242 Place ID: 829848

File No: 16-146

SIGNATORY REQUIREMENTS

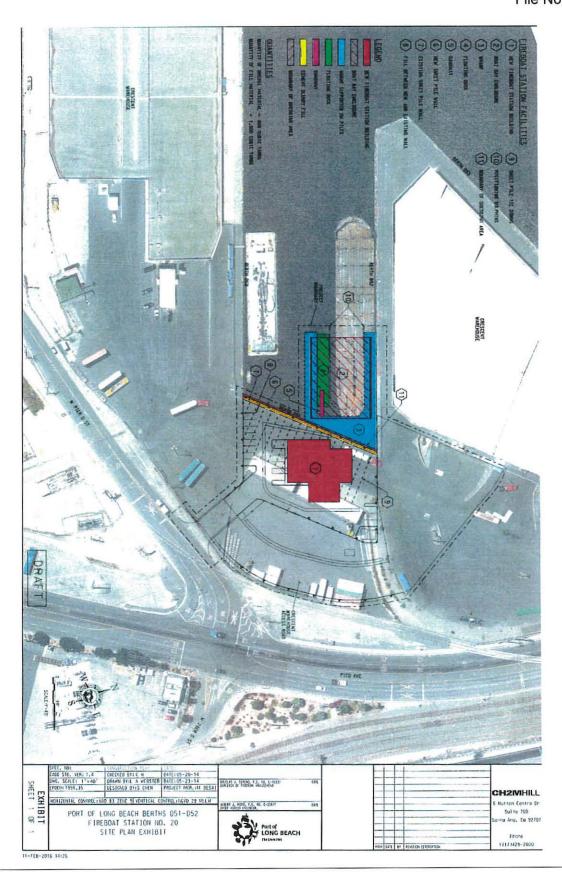
All Documents Submitted In Compliance With This Order Shall Meet The Following Signatory Requirements:

- 1. All applications, reports, or information submitted to the Los Angeles Water Quality Control Board (Los Angeles Water Board) must be signed and certified as follows:
 - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
- 2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
 - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.
- 3. Any person signing a document under this section shall make the following certification:
 - "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."



ICF

Figure 1-1 Regional Vicinity Port of Long Beach Fireboat Station No. 20



Copies of this Form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records

Report Submittal Instructions

- 1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
 - Part A (Annual Report): This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
 - Part B (Project Status Notifications): Used to notify the Los Angeles Water Board of the status of the Project schedule that may affect Project billing.
 - Part C (Conditional Notifications and Reports): Required on a case by case basis for accidental
 discharges of hazardous materials, violation of compliance with water quality standards, notification of
 in-water work, or other reports.
- 2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
- 3. Electronic Report Submittal Instructions:
 - Submit signed Report and Notification Cover Sheet and required information via email to: Valerie.CarrilloZara@waterboards.ca.gov
 - Include in the subject line of the email:
 Subject: ATTN: Valerie CarrilloZara; File No: 16-146, Reg. Measure ID: 410242_Report

Definition of Reporting Terms

- 1. <u>Active Discharge Period:</u> The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
- 2. Request for Notice of Completion of Discharges Letter: This request by the Permittee to the Los Angeles Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Los Angeles Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.
- 3. Request for Notice of Project Complete Letter: This request by the Permittee to the Los Angeles Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Los Angeles Water Board staff will review the request and send a Project Complete

Reg. Meas. ID: 410242 Place ID: 829848

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Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.

- 4. <u>Post-Discharge Monitoring Period:</u> The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Los Angeles Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
- 5. Effective Date: Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. Map Format Information:

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- GIS shapefiles: The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
- Google KML files saved from Google Maps: My Maps or Google Earth Pro. Maps must show the
 boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps.
 If this format is used include a spreadsheet with the object ID and attributed with the extent/type of
 aquatic resources impacted.
- Other electronic format (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- Aquatic resource maps marked on paper USGS 7.5 minute topographic maps or Digital Orthophoto
 Quarter Quads (DOQQ) printouts. Maps must show the boundaries of all project areas and extent/type
 of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and
 attributed with the extent/type of aquatic resources impacted.
- 2. <u>Photo-Documentation:</u> Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

	REPORT AND NOTIF	FICATION COVER SHEET	
Project: Fireboat Station Relocation			
Permittee:	Port of Long Beach, He	ather Tomley	e
Reg. Meas. ID:	410242	Place ID: 829848	File No: 16-146

	Report Type Submitted			
	Part A – Project Reporting			
Report Type	☐ Annual Report	-		
	Part B - Project Status Notifications			
Report Type	□ Commencement of Construction			
Report Type	☐ Request for Notice of Completion of Discharges Letter			
Report Type	☐ Request for Notice of Project Complete Letter	7.7.5		
	Part C - Conditional Notifications and Reports			
Report Type	☐ Accidental Discharge of Hazardous Material Report			
Report Type	☐ Violation of Compliance with Water Quality Standards Report			
Report Type	☐ In-Water Work/Diversions Water Quality Monitoring Report			
Report Type	☐ Modifications to Project Report			
Report Type	☐ Transfer of Property Ownership Report			
Report Type	☐ Transfer of Long-Term BMP Maintenance Report	52550		

in this d	vunder penalty of law that I have personally elecument and all attachments and that, based sible for obtaining the information, I believe the hat there are significant penalties for submittinment."	d on my inquiry at the informat	of those individuals immediately ion is true, accurate, and complete. I am
Print N	ame ¹	Affiliation	n and Job Title
Signatu	ure	Date	
	STATEMENT OF AUTHORIZATION (included application was submitted) I hereby authorizesubmittal of this report, and to furnish upon resubmittal.	to act in my be	half as my representative in the
¥-	Permittee's Signature		Date
	*This Report and Notification Cover Sheet mus representative and included with all written su		the Permittee or a duly authorized

Part A – Project Reporting

Report Type	Annual Report				
Report Purpose	Notify the Los Angeles Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.				
When to Submit	Annual reports shall be submitted each year on the anniversary of Project effective date. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.				
Report Contents	The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.				
	During the Active Discharge Period				
	Topic 1: Construction Summary				
	Topic 2: Mitigation for Temporary Impacts Status				
	Topic 3: Compensatory Mitigation for Permanent Impacts Status				
	During the Post-Discharge Monitoring Period				
	Topic 2: Mitigation for Temporary Impacts Status				
	Topic 3: Compensatory Mitigation for Permanent Impacts Status				
	Annual Report Topics (1-3)				
Annual Report Topic 1	Construction Summary				
When to Submit	With the annual report during the Active Discharge Period.				
Report Contents	 Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay. Map showing general Project progress. If applicable: Summary of Conditional Notification and Report Types 6 and 7 (Part C below). Summary of Certification Deviations. See Certification Deviation Attachment for further information. 				
Annual Report Topic 2	Mitigation for Temporary Impacts Status				
When to Submit	With the annual report during both the Active Discharge Period and Post-				
	Discharge Monitoring Period.				

Report Contents	 Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state. If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
Annual Report Topic 3	Compensatory Mitigation for Permanent Impacts Status
When to Submit	With the annual report during both the Active Discharge Period and Post- Discharge Monitoring Period.
Report Contents	*If not applicable report N/A.
	 Part A. Permittee Responsible Planned date of initiation of compensatory mitigation site installation. If installation is in progress, a map of what has been completed to date. If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan.
	Part B. Mitigation Bank or In-Lieu Fee 1. Status or proof of purchase of credit types and quantities. 2. Include the name of bank/ILF Program and contact information. 3. If ILF, location of project and type if known.

Part B – Project Status Notifications

Report Type	Commencement of Construction
Report Purpose	Notify Los Angeles Water Board staff prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	 Date of commencement of construction. Anticipated date when discharges to waters of the state will occur. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

Report Type	Request for Notice of Completion of Discharges Letter Notify Los Angeles Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.			
Report Purpose				
When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities.			
Report Contents	 Status of storm water Notice of Termination(s), if applicable. Status of post-construction storm water BMP installation. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable. An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable. 			

Report Type	Request for Notice of Project Complete Letter
Report Purpose	Notify Los Angeles Water Board staff that construction and/or any post- construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	Part A: Mitigation for Temporary Impacts 1. A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.
	2. A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites.

Part B: Permittee Responsible Compensatory Mitigation

- 3. A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.
- **4.** Status on the implementation of the long-term maintenance and management plan and funding of endowment.
- 5. Pre- and post-photo documentation of all compensatory mitigation sites.
- 6. Final maps of all compensatory mitigation areas (including buffers).

Part C: Post-Construction Storm Water BMPs

- 7. Date of storm water Notice of Termination(s), if applicable.
- 8. Report status and functionality of all post-construction BMPs.

Part C – Conditional Notifications and Reports

Report Type	Accidental Discharge of Hazardous Material Report
Report Purpose	Notifies Los Angeles Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Los Angeles Water Board staff.
Report Contents	 The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type	Violation of Compliance with Water Quality Standards Report
Report Purpose	Notifies Los Angeles Water Board staff that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Los Angeles Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Los Angeles Water Board staff.

Report Type	In-Water Work and Diversions Water Quality Monitoring Report
Report Purpose	Notifies Los Angeles Water Board staff of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

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Report Type		Modifications to Project Report	
	2 2 7 2 4		

Report Purpose	Notifies Los Angeles Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
Report Contents	A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

Report Type	Transfer of Property Ownership Report
Report Purpose	Notifies Los Angeles Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	 A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: a. the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and b. responsibility for compliance with any long-term BMP² maintenance plan requirements in this Order. A statement that the Permittee has informed the purchaser to submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.

Report Type	Transfer of Long-Term BMP Maintenance Report
Report Purpose	Notifies Los Angeles Water Board staff of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post- construction BMPs.

² Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.