

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

**ORDER NO. R4-2002-0192**

**REVISED WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF OXNARD  
(EAST MANDALAY BAY MAINTENANCE DREDGING)  
(FILE NO. 02-070)**

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

1. The City of Oxnard (the City) filed an application for revision of Waste Discharge Requirements contained in Regional Board Order No. R4-2002-0138, adopted on August 29, 2002, for maintenance dredging of East Mandalay Bay, an extension of Channel Islands Harbor in Ventura County (Figure 1).
2. The City originally proposed to dredge approximately 9,800 cubic yards of sediment from the eastern section of Mandalay Bay. The proposed project included dredging on an as-needed basis over roughly a one-year period using a land-based crane equipped with a 2-cubic yard clamshell bucket, and transport of the excavated material by truck to the designated disposal site, Del Norte Regional Solid Waste Management facility, located at 111 South Del Norte Boulevard, Oxnard, for use as fill for expansion of the waste rehandling facility.
3. The City now proposes to dredge an additional 20,000 cubic yards of sediment from the channels in the eastern section of Mandalay Bay. Dredging will be performed to restore project depths beneath floating docks, in small boat berth areas and in portions of the navigable channel areas (Figure 2). Dredging will be performed using a small hydraulic dredge and specially designed decanter centrifuge equipment to dewater the dredged material. Residual clean water removed from the dredged material will be discharged directly back into the channel at a rate of approximately 300 gallons per minute. The dewatered sediments, which will be reduced by approximately one-half from the original in situ volume, will be transported by truck for disposal at the Del Norte Regional Solid Waste Management Facility. Maintenance dredging is expected to occur as needed over a five-year period. Each dredging cycle is expected to be completed within approximately 60 days. The maximum volume of sediment to be dredged over the five-year period is 29,800 cubic yards of sediment.
4. The City collected sediment cores from two discrete sampling areas (Areas A and B) in Mandalay Bay (Figure 3). Four sediment samples were collected within each area (A-

October 31, 2002

1, A-2, A-3 and A-4 in Area A, and B-1, B-2, B-3 and B-4 in Area B) and combined into composite samples representative of the sediments within each area. The two composite samples were analyzed for trace metal and trace organic concentrations, as well as grain size characteristics. The sediments were primarily fine-grained material (76.1-77.1% silt-clay), which would be unsuitable for re-use in beach replenishment. The concentrations of trace metals and trace organics are relatively low and below the levels that would be expected to produce adverse impacts on aquatic organisms.

Sediment Characteristics – East Mandalay Bay Maintenance Dredging

Parameter	Area A	Area B
Silver	< 0.1 ppm	< 0.1 ppm
Arsenic	<0.1 ppm	<0.1 ppm
Cadmium	<0.1 ppm	<0.1 ppm
Chromium	8.66 ppm	10.4 ppm
Copper	12.2 ppm	14.8 ppm
Mercury	<0.02 ppm	<0.02 ppm
Nickel	12.9 ppm	19.1 ppm
Lead	5.29 ppm	4.98 ppm
Selenium	<0.01 ppm	0.93 ppm
Zinc	41.2 ppm	41.3 ppm
Total DDT	4.07 ppb	<2.0 ppb
Total PCB	< 20 ppb	< 20 ppb
Total PAH	377 ppb	<20 ppb

ppm = parts per million; ppb = parts per billion; DDT = dichloro-diphenyl-trichloroethane; PCB = polychlorinated biphenyls; PAH = polynuclear aromatic hydrocarbons

- 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 Mandalay Bay. The requirements contained in this Order as they are met will be in conformance with the goals of the Water Quality Control Plan.
- The beneficial uses of Mandalay Bay are: industrial service supply, navigation, water contact recreation (water contact recreation activities are limited by the City of Oxnard

to within the easement area of each home), non-contact water recreation, marine habitat and wildlife habitat.

7. The City of Oxnard filed a Notice of Exemption (Categorical Exemption, class 4, section 15304, Minor Alteration to Land) for the Mandalay Bay Channel maintenance dredging project on October 22, 2002, pursuant to Public Resources Code section 21000 et seq.
8. 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.
9. 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 City 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 City of Oxnard, 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, in particular those identified in finding number 6 above.
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.

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. The City shall conduct the monitoring required and comply with the reporting requirements outlined in the attached Monitoring and Reporting Program, which is incorporated by reference as part of these Waste Discharge Requirements.
7. 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 and disposal of a maximum of 29,800 cubic yards of sediment as proposed by the City.
2. The City 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; written confirmation by the City to the Regional Board shall follow within one week.
3. A copy of this Order shall be made available at all times to project construction personnel.
4. The City shall provide the following information to the Regional Board:
  - a. A copy of the final permit issued by the Department of the Army for the dredge and disposal operations.
  - b. The scheduled date of commencement of each dredging operation and an engineering plan and profile of the excavation and the disposal site at least two weeks prior to commencement.
  - c. Notice of termination of the operation, within one week following the termination date.
5. The City 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, the City 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 the City 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.
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, 2007.

City of Oxnard  
0192  
East Mandalay Bay Maintenance Dredging

Order No. R4-2002-

12. This Order rescinds the requirements and provisions of Regional Board Order No. R4-2002-0138, except for enforcement purposes.

I, Dennis A. Dickerson, 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 12, 2002.

DENNIS A. DICKERSON  
Executive Officer

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