7745

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
CENTRE PLAZA DRIVE
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December 10, 1996

Mr. Robert Kanter
Port of Long Beach
925 Harbor Plaza
Long Beach, CA 90802

WASTE DISCHARGE REQUIREMENTS - PIER T MARINE TERMINAL DREDGING PROJECT, WEST BASIN OF LONG BEACH HARBOR (File 96-121, CI No. 7745)

Our letter dated November 20, 1996, transmitted a copy of tentative Waste Discharge Requirements for the dredging operation at Pier T Marine Terminal in West Basin of Long Beach Harbor.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on December 9, 1996, reviewed the tentative Waste Discharge Requirements, considered all factors in the case and adopted Order No. 96-099 (copy attached), relative to this waste discharge. The Standard Provisions, which were sent to you with the tentative requirements, were adopted without change and are part of Order No. 96-099. A copy will be mailed upon request. Please note that the requirements were adopted with a change sheet which modified Item B.2 and added a new Provision (Item G.10) in the waste discharge requirements.

You are required to implement the enclosed Monitoring and Reporting Program No. 7745 on the effective date of the Order. All Monitoring reports should be sent to the Regional Board, Attn: Technical Support Unit.

Please reference all technical and monitoring reports to our Compliance File No. 7745. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports.

If you have any questions, please contact Alex Fu at (213) 266-7594 or call me at (213) 266-7616.

J. MICHAEL LYONS
Chief, Surveillance Unit

cc: see attached mailing list

Enclosures

MAILING LIST

Bill Campbell, Non-point Source Loan Unit, SWRCB
Larry Simon, California Coastal Commission (San Francisco)
Dick Nitsos, California Department of Fish and Game (Long Beach)
Fari Tabatabai, U.S. Corps of Engineers (Los Angeles)
Brian Ross, U.S. Environmental Protection Agency (San Francisco, W-3-3)
Steve John, U.S. Environmental Protection Agency (Los Angeles)
Martin Kenney, U.S. Fish and Wildlife Service (Carlsbad)
Robert Hoffman, National Marine Fisheries Service (Long Beach)
Mark Gold, Heal the Bay
Tom Johnson, Port of Long Beach

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO . 96 - 099

WASTE DISCHARGE REQUIREMENTS
FOR
PORT OF LONG BEACH
(PIER T MARINE TERMINAL - WEST BASIN DREDGING PROJECT)
(FILE NO. 96-121)

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

1. The Port of Long Beach (the Port) has filed an application for Waste Discharge Requirements for dredging, wharf construction, disposal of dredge material, creation of shallow water habitat, and use of dredge material for beach replenishment in Long Beach Harbor.

2. The Port proposes to develop a 145.32 acre portion of the former Long Beach Naval Station property, Pier T of West Basin, into a marine container terminal, including ship loading and unloading facilities, container storage areas, trucking facilities, an on-dock railyard, administration offices, and other related maintenance facilities, as well as upgrading of utilities, paving of the entire terminal area, demolition of existing Piers 6, 7 and 9, and installation of area lighting and fencing.

3. The Port proposes to construct a 2,500-foot long, 112-foot wide wharf along the existing waterfront which requires dredging to a depth of -59 to -60 feet Mean Low Level Water (MLLW) along Pier T (See Figure 1). Approximately 3.75 million cubic yards of sediments would be dredged from the West Basin which would displace existing shallow water habitat, (approximately 26 acres). In addition, approximately 450,000 cubic yards of soil and rock would be excavated along the shoreline during demolition of the existing piers and construction of terminal facilities.

4. Dredged sediment and excavated soil (4.147 million cubic yards) would be disposed of at six locations (See Figure 2): (i) an upland disposal site - Pier S on Terminal Island; (ii) a permanent shallow water habitat to be constructed next to the Navy Mole; (iii) a 26-acre temporary shallow-water habitat (to be removed upon completion of the permanent shallow water habitat) along the Pier 400 causeway, approximately 1,000 feet southwest of the permanent habitat; (iv) the navigation channel and a borrow pit adjacent to the Port of Long Beach

Main Channel; (v) a beach front for beach replenishment within the City of Long Beach; and (vi) the U.S. EPA's "LA-2" ocean disposal site.

The Port proposes to dispose of the dredged sediments and excavated soil and rock as follows:

Disposal Site (Latitude & Longitude)	Volume and Nature of Material for Disposal
Pier S Upland Site (33° 46.0'; 118° 13.6')	550,000 cubic yards (100,000 cu. yd. uncontaminated sediment) (450,000 cu. yd. uncontaminated soil and rocks)
Permanent Shallow Water Habitat (33° 44.4'; 118° 14.4')	1,220,000 cubic yards (490,000 cu.yd. uncontaminated sediment) (730,000 cu.yd. contaminated sediment)
Temporary Shallow Water Habitat (33° 44.0'; 118° 14.2')	450,000 cubic yards (uncontaminated sediment)
Main Channel & Borrow Pit (33° 44.5'; 118° 13.0')	1,417,000 cubic yards (uncontaminated sediment)
Beach Replenishment	100,000 cubic yards (uncontaminated sediment)
LA-2 Ocean Disposal Site (33° 37.1'; 118° 17.4')	410,000 cubic yards (uncontaminated sediment)
TOTAL	4,147,000 cubic yards (2,967,000 cu.yd. uncontaminated sediment) (730,000 cu.yd. contaminated sediment) (450,000 cu.yd. uncontaminated soil and rocks)

5. The Port has sampled and analyzed the sediments from locations where dredging would occur. The results show that approximately 730,000 cubic yards of sediments contain elevated levels of contaminants, including copper up to 370 mg/kg (ppm), lead up to 6,940 ppm, mercury up to 2.2 ppm, zinc up to 1,033 ppm, polynuclear aromatic hydrocarbons (PAHs) up to 19.1 ppm, DDT/DDE/DDD up to 63 µg/kg (ppb), and PCB up to 6.9 ppm. These contaminated sediments are not suitable for ocean disposal at "LA-2" and will require disposal at sites where containment of contaminants can be ensured. The remaining 3.02 million cubic yards of sediments and 450,000 cubic yards of soil and rock do not contain elevated levels of contaminants.

6. The Port proposes to dispose of 100,000 cubic yards of uncontaminated dredged sediments and 450,000 cubic yards of uncontaminated excavated soil and rock at the Pier S upland disposal site, located in the northeastern quadrant of Terminal Island. The Port will design containment measures to ensure retention of the material on-site.

7. The Port proposes to construct a permanent shallow water habitat (at the southern face of the former Navy Mole) within lined rock dikes to replace the existing shallow water habitat which will be displaced by the proposed terminal development project. The Port proposes to dispose of approximately 730,000 cubic yards of contaminated sediments and 490,000 cubic yards of uncontaminated sediments to the permanent shallow water habitat which will raise the sea bottom from the current 30-48 feet deep to approximately 15 feet below MLLW.

   The Port commissioned an independent study to determine the optimum thickness of the cap required for containment of contaminated sediments at the proposed permanent shallow water habitat site. That study, conducted by Science Applications International Corporation (SAIC), concluded that in the semi-sheltered environment of the outer harbor, a three-foot thick cap would be sufficient to ensure that the contaminated sediments would not be released through leaching, erosion, or bioturbation. As an extra margin of safety, and to dispose of additional clean material, the Port proposes to place a minimum five-foot-thick cap of clean dredged material at the permanent shallow water habitat disposal site. The capping material would most likely be fine sand from the deeper layers of the dredged area.

8. To accommodate the 1997 nesting season for California Least Tern, the Port proposes construction of a temporary 26-acre shallow water habitat adjacent to the Pier 400 causeway to

replace the existing shallow water habitat which will be eliminated by the proposed terminal development project. Upon completion of the proposed project, this temporary habitat will be removed and the site will be returned to its current condition. The uncontaminated sediment from the temporary shallow water habitat will be removed and utilized for beneficial reuse.

9. The Port proposes to dispose of 1,417,000 cubic yards of uncontaminated sediments into the main navigation channel and a 10-acre pit immediately west of the Long Beach Main Channel. This would restore the bottom depth from -95 feet MLLW to the -76 feet MLLW design depth for the shipping channel.

10. The Port proposes to dispose of up to 100,000 cubic yards of non-contaminated sediments to local beaches in the City of Long Beach for beach replenishment. These sediments will be dredged from deeper layers of the dredged area. This disposal method would only be utilized for medium-grained sand which would be compatible with local beaches.

11. The Port proposes to dispose of 410,000 cubic yards of non-contaminated sediment at the U.S. EPA's "LA-2" ocean disposal site. The U.S. EPA has indicated concurrence with the suitability of this material for disposal at this site.

12. The U.S. Department of the Navy is seeking final approval from State and Federal agencies for a closure plan for the Long Beach Naval Station. Although the Port proposes to dredge contaminated sediments in the vicinity of the Naval Station, this project is not part of the closure plan. The Navy may be required to dredge additional material or perform other remedial measures as part of the closure plan for the Naval Station.

13. The Regional Board adopted a revised Water Quality Control Plan for the Long Beach River Basin on June 13, 1994. The Water Quality Control Plan contains water quality objectives for the 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.

14. The beneficial uses of the inner harbor waters are: industrial service supply, navigation, water contact recreation (potential use), non-contact water recreation' commercial and sport fishing, marine habitat, preservation of rare and endangered species, and shellfish harvesting (potential use). The beneficial uses of the outer harbor waters are: navigation, water contact recreation, non-contact

water recreation, commercial and sport fishing, marine habitat, preservation of rare and endangered species, and shellfish harvesting (potential use).

15. On September 3, 1996, the Port of Long Beach adopted a final Environmental Impact Report for the Pier T Marine Terminal - West Basin Dredging project pursuant to the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).

16. The U.S. Army Corps of Engineers plans to issue a Section 404 Permit to the Port for dredging and disposal operations within the Port of Long Beach associated with the Pier T Marine Terminal - West Basin Dredging project, following the issuance of Waste Discharge Requirements by the Regional Board.

17. The California Coastal Commission plans to issue a development permit to the Port for the Pier T terminal project in December 1996.

18. 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.

The Board has notified the discharger 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 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 Long Beach, 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 dredge 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.

4. 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.

5. Toxic pollutants shall not be discharged at levels that will bioaccumulate in aquatic resources to levels which are harmful to human health.

6. There shall be no acute toxicity or chronic toxicity in ambient waters as a result of the discharge of waste.

7. Dredging 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. Requirements for Temporary Shallow Water Habitat

1. There shall be no contaminated dredge material disposed of at any time at this temporary habitat site.

2. During removal of non-contaminated sediments, from the Temporary Shallow Water Habitat, upon project completion, the discharger shall comply with requirements specified in Item A. 1 through A.6 herein above.

C. Requirements for Upland Disposal at Pier S

1. There shall be no overtopping or runoff from the waste pile to outside the bermed area at any time.

2. Temporary drainage controls shall be adequate at the sediment stockpile to limit, to the greatest extent, ponding, infiltration, inundation, erosion, or destablization of the waste pile.

3. Contaminated runoff at the temporary stockpile facility must be collected and disposed of or hauled to legal waste disposal site.

D. Requirements for Beach Replenishment

1. Disposal of dredged sediment to beaches shall be limited to medium-grained sand that is compatible with the existing material on the beaches.

2. Disposal for beach replenishment shall not occur from April through October during periods of grunion spawning.

E. Requirements for Permanent Shallow Water Habitat

1. There shall be no release of pollutants or toxic materials from sediments disposed of at this site.

2. There shall be a cap of uncontaminated material with a minimum thickness of 5-foot over the entire site.

F. Requirements for Main Channel and Borrow Pit

There shall be no contaminated dredge material disposed of at any time at this site.

G. Provisions

1. The above specifications are valid only for dredging and disposal of bottom material as proposed.

2. The discharger shall notify this Board immediately by telephone of any adverse conditions in receiving waters or adjacent areas resulting from the removal or filling of dredge materials; written confirmation shall follow within one week.

3. The discharger shall be responsible for any repairs or other measures required to maintain or restore the designated dimensions or other characteristics at the disposal sites. Any required repairs or other measures shall be implemented as expeditiously as possible.

4. A copy of this Order shall be made available at all times to project construction personnel.

5. The discharger shall provide the following information to the Board:

   a. A copy of the final Department of the Army permit issued 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.

6. The discharger shall submit, under penalty of perjury, technical reports to the Board in accordance with specifications prepared by the Executive Officer.

7. In accordance with Section 13260(c) of the Water Code, the discharger shall file a report of any material change or proposed change in the character, location, or volume of the waste.

8. These requirements do not exempt the discharger 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.

9. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements" ("Standard Provisions"). If there is any conflict between provisions stated hereinbefore and said "Standard Provisions", those provisions stated hereinbefore prevail.

10. Pursuant to California Code of Regulation 3857, waste discharge requirements are being issued in lieu of water quality certification.

11. This permit shall expire on June 30, 1999.

I, Robert P. Ghirelli, Executive Officer, do hereby the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Long Beach Region, on December 9, 1996.

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

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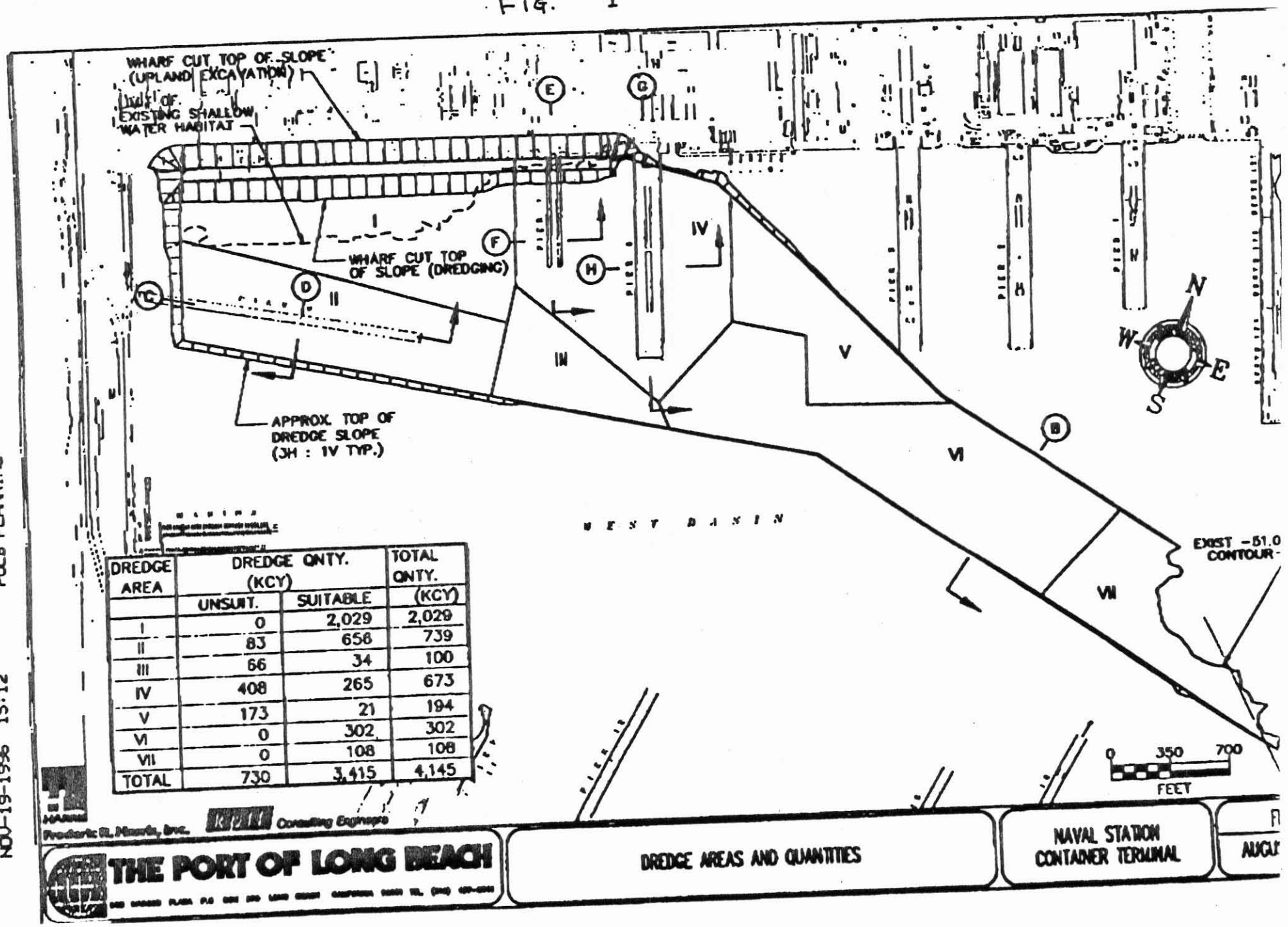
FIG. 1



DREDGE AREA	DREDGE QNTY. (KCY)		TOTAL QNTY.
	UNSUIT.	SUITABLE	(KCY)
I	0	2,029	2,029
II	83	656	739
III	66	34	100
IV	408	265	673
V	173	21	194
VI	0	302	302
VII	0	108	108
TOTAL	730	3,415	4,145

Moffatt & Nichol, Engineers

Kinnetic Consulting Engineers

THE PORT OF LONG BEACH

DREDGE AREAS AND QUANTITIES

NAVAL STATION CONTAINER TERMINAL

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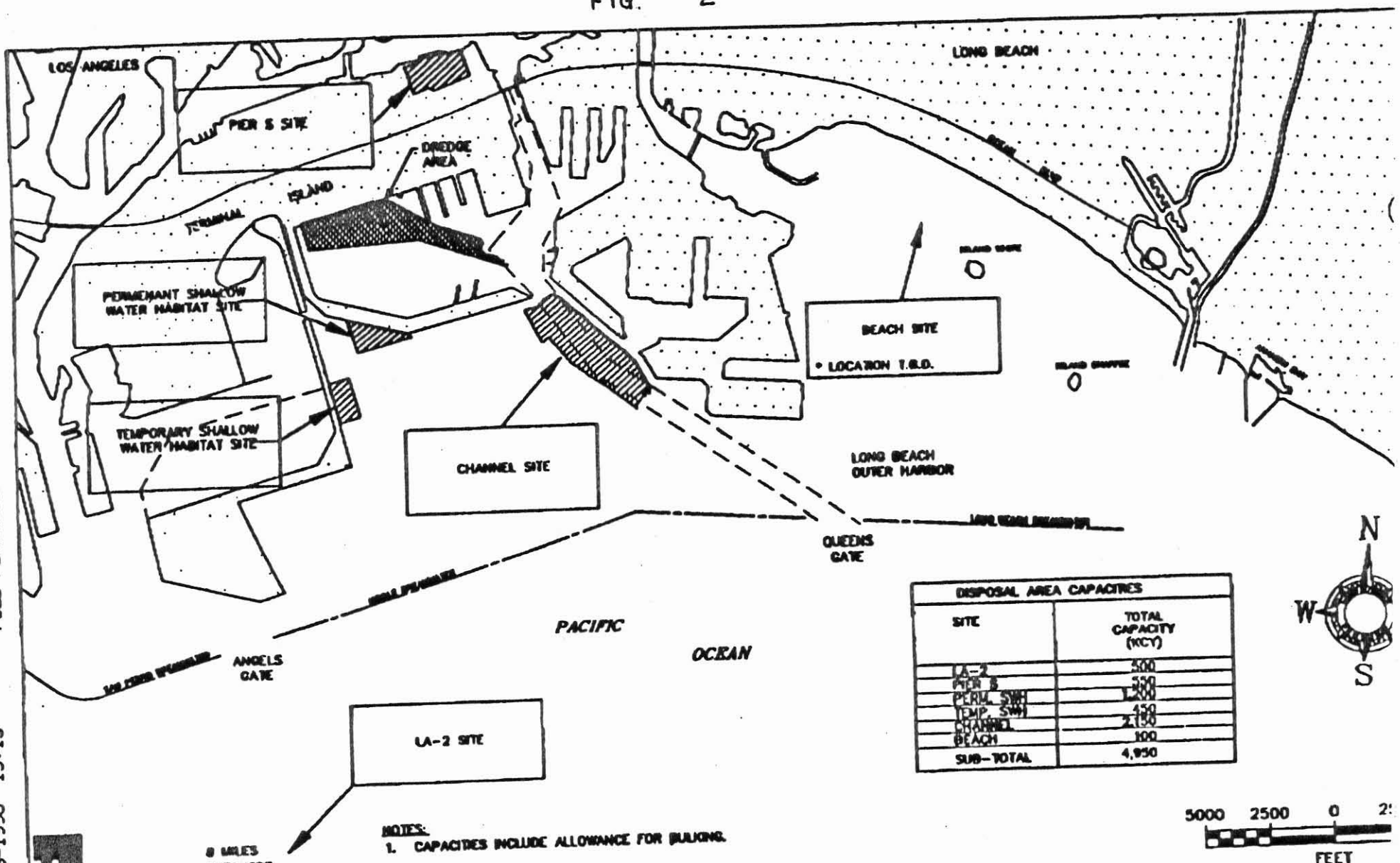
FIG. 2



DISPOSAL AREA CAPACITIES	
SITE	TOTAL CAPACITY (KCY)
LA-2	500
PIER S	330
PERM. SWH	1,300
TEMP. SWH	450
CHANNEL	2,150
BEACH	100
SUB-TOTAL	4,930

NOTES:
1. CAPACITIES INCLUDE ALLOWANCE FOR BULKING.

Moffatt & Nichol Engineers
Consulting Engineers

THE PORT OF LONG BEACH

DISPOSAL SITES AND QUANTITIES

NAVAL STATION CONTAINER TERMINAL

FIG.
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 7745
FOR
PORT OF LONG BEACH
(PIER T MARINA TERMINAL - WEST BASIN DREDGING PROJECT)
(FILE NO. 96-121)

The following sampling protocol shall be undertaken during the dredging and fill 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. All parameters shall be sampled at 2.0 meter increments throughout the water column. Receiving water samples shall be taken at the following stations:

Station	Description
A	30.5 meters (100 feet) up current of the dredging operations, safety permitting.
B	30.5 meters (100 feet) down current of the dredging operations, safety permitting.
C	91.5 meters (300 feet) down current of the dredging operations.

The following shall constitute the receiving water monitoring program:

I. RECEIVING WATER MONITORING FOR DREDGING AREAS

A. Water Column Monitoring

Parameters	Units	Station	Frequency
Dissolved oxygen	mg/l	A thru C	Weekly
Light transmittance	% Transmittance	" "	"
pH	pH units	" "	"
Suspended solids	mg/l	A & C	Twice Monthly
Metals and organics[1/]	µg/l	A & C	Monthly

1/ Metals analyses shall include arsenic, cadmium, copper, lead, mercury, nickel, silver, selenium and zinc. Organics analyses shall include DDE, PCBs, PAHs, Phthalates, and tributyltin.

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.

The discharger 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.

B. OBSERVATIONS

1. 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.

2. 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.

   The discharger 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.

II. RETURN WATER MONITORING FOR TEMPORARY AND PERMANENT SHALLOW WATER HABITAT AREAS

If return water flow of dredge water is discharged to the harbor from the Temporary and the Permanent Shallow Water Habitat areas at Pier 400 causeway and former Navy Mole, respectively, the water shall be monitored daily for settleable solids. Samples for analysis shall be collected at the point of discharge at least one-half hour after flow begins.

III. RECEIVING WATER MONITORING AT THE TEMPORARY AND PERMANENT SHALLOW WATER HABITAT DISPOSAL SITES

Sampling for the receiving water monitoring shall commence at least one week prior to the start of the temporary disposal operation and continue at least one week following the completion of all such operation. Sampling shall be conducted a minimum of once a week during dredging operations. Sampling shall be conducted down current of the disposal site at least one hour after the start of disposal operation. All receiving water monitoring data shall be obtained via grab samples or remote electronic detection equipment. All parameters shall be sampled at 2.0 meter increments throughout the water column. Receiving water samples shall be taken at the following stations:

Station	Description
A	30.5 meters (100 feet) up current of the disposal site, safety permitting.
B	30.5 meters (100 feet) down current of the disposal site, safety permitting.

The following shall constitute the receiving water monitoring program:

A. Water Column Monitoring

Parameters	Units	Stations	Frequency
Dissolved oxygen	mg/l	A & B	Weekly
Light transmittance	% Transmittance	" "	"
pH	pH units	" "	"
Suspended solids	mg/l	A & B	Twice Monthly
Metals and organics[1/]	µg/l	A & B	Monthly

[1/] Metals analyses shall include arsenic, cadmium, copper, lead, mercury, nickel, silver, selenium and zinc. Organics analyses shall include DDE, PCBs, PAHs, Phthalates, and tributyltin.

B. Site Monitoring

1. Temporary Shallow Water Habitat

Physical (bathymetric) surveys of the site shall be conducted at a minimum: a) immediately following construction (to document that required site dimensions and characteristics have been achieved); b) annually for each year that the site remains in use as temporary shallow water habitat (to identify whether settling, consolidation or other factors have created the need for additional fill or other measures to maintain the required project dimensions and characteristics); and c) immediately following removal of fill from the site (to document restoration of site to original condition).

2. Permanent Shallow Water Habitat

Construction-phase monitoring of all aspects of construction at this site shall include:

- high-resolution bathymetry documenting the dimensions of the subaqueous rock containment dikes(s);
- sediment vertical profiling system (SPVS) transects outboard of the containment dikes(s);
- documenting deposition from construction of the containment dike(s), prior to placement of dredged material behind the dike(s);

- high-resolution bathymetry documenting placement of dredged material used for"lining" behind the containment dike(s);
- SPVS transects outboard of the containment dike(s) documenting deposition from placement of dredged material used for "lining" behind the containment dike(s);
- automated, high-resolution tracking of barge movement and dumping of all dredged material placed behind the containment dike(s);
- high-resolution bathymetry documenting placement of unsuitable dredged material behind the containment dike(s);
- SPVS transects outboard of the containment dikes(s) documenting deposition from placement of unsuitable dredged material behind the containment dike(s);
- high-resolution bathymetry documenting placement of dredged material used to cap the site; and
- SPVS transects outboard of the containment dike documenting deposition from placement of dredged material used to cap the site.

Immediately upon completion of this site, surveys shall be conducted via appropriate methods (e.g., bathymetry, coring, sonar scanning) to document that the required site dimensions, minimum cap thickness (i.e., five feet) and other characteristics have been achieved.

Surveys of this site shall be repeated annually (or following significant seismic events or other events that may cause settling or slumping of the site, or could affect its ability to retain contaminated sediment) to identify the need for additional fill or other measures to maintain the required site dimensions, minimum cap thickness and other characteristics.

The discharger shall develop a long-term monitoring program to assess the effectiveness of the permanent

shallow water habitat site as foraging habitat for the California least tern. This monitoring shall be conducted in accordance with a plan approved by the U.S. Fish and Wildlife Service.

3. Port of Los Angeles Pier 400 Access Corridor

The discharger shall develop a plan to monitor water flow, including tidal current speeds, through the breach in the nearby Port of Los Angeles Pier 400 access corridor, to determine whether construction of the permanent shallow water habitat site affects circulation through this breach. This monitoring should commence at least 60 days prior to the start of construction of the containment dikes for the permanent shallow water habitat site (to establish baseline conditions). The frequency of monitoring should be sufficient to characterize flow and current speeds over a normal range of daily and seasonal tidal cycles.

Physical (bathymetry) surveys should be conducted in and around the access corridor breach to look for evidence of scouring of the bottom. Annual surveys shall be conducted for a minimum of five years following completion of the shallow water habitat.

IV. 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 State Water Resources Control Board, or approved by the Executive Officer.

The discharger 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.

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.

V. REPORTING

A. Monitoring Reporting

Monitoring reports shall be submitted within 10 days following each weekly sampling period. In reporting, the discharger 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 must affirm in writing that:

All analyses were conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer and in accordance with current EPA guidelines or as specified in the Monitoring Program.

For any analysis preformed 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.

B. Status Reports for Pier S upland disposal site and selected beaches for the disposal of sediments

The discharger shall provide a Status Report each quarter, beginning February 1, 1997, to the Regional Board with the following information:

1. A time schedule regarding the construction of the Pier S and beachfront facilities, including the construction of drainage system for non-contaminated runoffs on and adjacent to this facilities;

2. The total volume of dredge sediment to be disposed at the facility during the quarter;

3. Observation on any ponding, infiltration, inundation, erosion, or destabilization of the sediment within the facility.

VI. GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger 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 declare under penalty of perjury that the foregoing is true and correct. Executed on the_____day of_____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:

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: December 9, 1996