

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 84-52

WASTE DISCHARGE REQUIREMENTS FOR:

PORT SONOMA MARINA INVESTORS, LTD.  
PORT SONOMA  
SONOMA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Port Sonoma Marina Investors, LTD (hereinafter the discharger) currently operates Port Sonoma (previously owned and operated by Shellmaker Inc. under Board Order No. 77-109), a 300 berth marina (marina I, II, III) on the east side of the mouth of the Petaluma River between Sears Point Road (State Route 37) and the Northwestern Pacific Railroad (Site Map - Attachment A). Future expansion plans include additional berths as approved by the County; a restaurant in Marina II, and additional commercial development. Waters within the marina areas are waters of the State.
2. The marina complex presently includes restrooms; pumpout facilities for both vessel holding tanks and chemical toilets; recreational facilities; and office, residential and commercial dwellings. Waste disposal system consist of 1) a subsurface disposal system consisting of two septic tanks and a leachfield and 2) a wastewater treatment system consisting of a sewer system, two clarifying tank and a 2.6 acre evaporation pond.
3. The discharger has submitted a Report of Waste Discharge, dated May 14, 1984 and supporting technical reports, dated February 21, 1984. The latter reports include detailed water balances for the wastewater disposal system and the evaporation pond.
4. The Dischargers wastewater management system is capable of storing and disposing of a projected average annual wastewater flow of 5,350 gpd, plus 28 inches of rainfall (10-year seasonal storm), while maintaining a minimum of two feet of freeboard in the evaporation ponds.
5. The Board adopted a revised Water Quality Control Plan (Basin Plan) for the San Francisco Bay Region on July 21, 1982. The Basin Plan contains water quality objectives for the Petaluma River and San Pablo Bay.
6. The beneficial uses of the Petaluma River and San Pablo Bay include:
  - a. Recreation
  - b. Navigation
  - c. Fish migration and habitat

- d. Habitat and resting for waterfowl, migratory birds and certain rare and endangered species
  - e. Industrial water supply
  - f. Commercial fishing and shellfish harvesting
7. The County of Sonoma has certified a final environmental report for this project dated May 1974 in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.)
  8. The project as approved by the County of Sonoma have the following significant effects on water quality:
    - a. Maintenance dredging will temporarily degrade water quality.
    - b. The operation and management of the Marina could degrade water quality within the Marina.
    - c. Indirect pressure for additional development in the area.
  9. The Discharger Prohibitions, Water Quality Limitations, and Provisions of this Order mitigate or avoid the adverse environmental impacts listed in 8.b above. Potential impacts due to 8.a are mitigated by separate waste discharge requirements issued by the Board. With regard to 8.c, control over additional development in the area is within the responsibility and jurisdiction of another public agency, the County of Sonoma, and the County should control such development to mitigate or avoid significant environmental effects thereof.
  10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
  11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Port Sonoma Investors LTD, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. The discharge of sewage or other wastes to waters of the State is prohibited.
2. Bypassing of wastewater from the collection system is prohibited. If bypassing should occur, the discharger shall notify this Board's Executive Officer as soon as possible of said bypass.

B. Sewage Disposal Specifications

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. Wastes discharged to leachfields:
  - a. Shall remain below ground at all times.
  - b. Shall not cause degradation of groundwater suitable for domestic or agricultural use.
  - c. Shall not leach into waters of the Marina.
3. Waste at the surface of the evaporation pond shall meet the following quality limits at all times:

In any grab sample:

Dissolved Sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum

4. The evaporation pond shall be protected from erosion, and washout and flooding having a predicted frequency of once in 100 years. A minimum of two feet of freeboard shall be maintained in the pond.
5. The public shall be effectively excluded from the waste treatment areas.
6. The wastewater flow to the evaporation pond is to be metered and shall not exceed a maximum of 5,350 gallons per day, weekly average.

C. Water Quality Limitations

1. The application of copper or other conservative toxicants into state waters to control growth of algae or aquatic plants is prohibited.
2. Adequate circulation and mixing, or other methods of water quality management, shall be provided so as to maintain the following levels of water quality at all points within the marina:

- |                     |  |
|---------------------|--|
| a. Dissolved Oxygen | 5.0 mg/l minimum. Annual median - 80% saturation.  |
| b. pH               | Variation from ambient pH within the adjacent waters of the Petaluma River by no more than 0.5 pH units.   |
| c. Chlorophyll "a"  | 50 ug/l maximum. When concentration of chlorophyll "a" in the adjacent Petaluma River exceed this the concentrations within the marina shall be not more than 20 percent above river concentrations. |

- d. No visible, floating, suspended or deposited oil or other products of petroleum origin.
3. Water quality within the marina shall be managed so as to prevent the presence of toxic or other deleterious substances in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

D. Provisions

1. The discharger shall review and submit to the Executive Officer an update of their contingency plan for the continuous operation of facilities for the collection, treatment, and disposal of waste pursuant to the Regional Board's Resolution No. 74-10 by October 1 of each year.
2. The discharger shall comply with all Sections of this Order immediately upon adoption.
3. The discharger shall submit, no later than September 14, 1984, a contingency plan identifying measures to be taken to assure waste treatment and disposal in accordance with the limitations specified in this Order in the event that flows rise to a level higher than specified in Sewage Disposal Specification B.6.
4. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
5. This Board's Order No. 77-109 is hereby rescinded.
6. The discharger shall permit the Regional Board:
  - (a) Entry upon premises in which an effluent source is located or in which any required records are kept,
  - (b) Access to copy any records required to be kept under terms and conditions of this Order,
  - (c) Inspection of monitoring equipment or records, and
  - (d) Sampling of any discharge.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. In the event the discharger is unable to comply with any of the conditions of this Order due to:
  - (a) Breakdown of waste treatment equipment;
  - (b) Accidents caused by human error or negligence; or
  - (c) Other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

9. In the event of any change in control of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on August 15, 1984.

ROGER B. JAMES  
Executive Officer

Attachments:

Map  
Self-Monitoring Program

LEGEND



MARINA BASIN



UPLAND DISPOSAL AREA



MARINA  
LEONARD ASSOC.

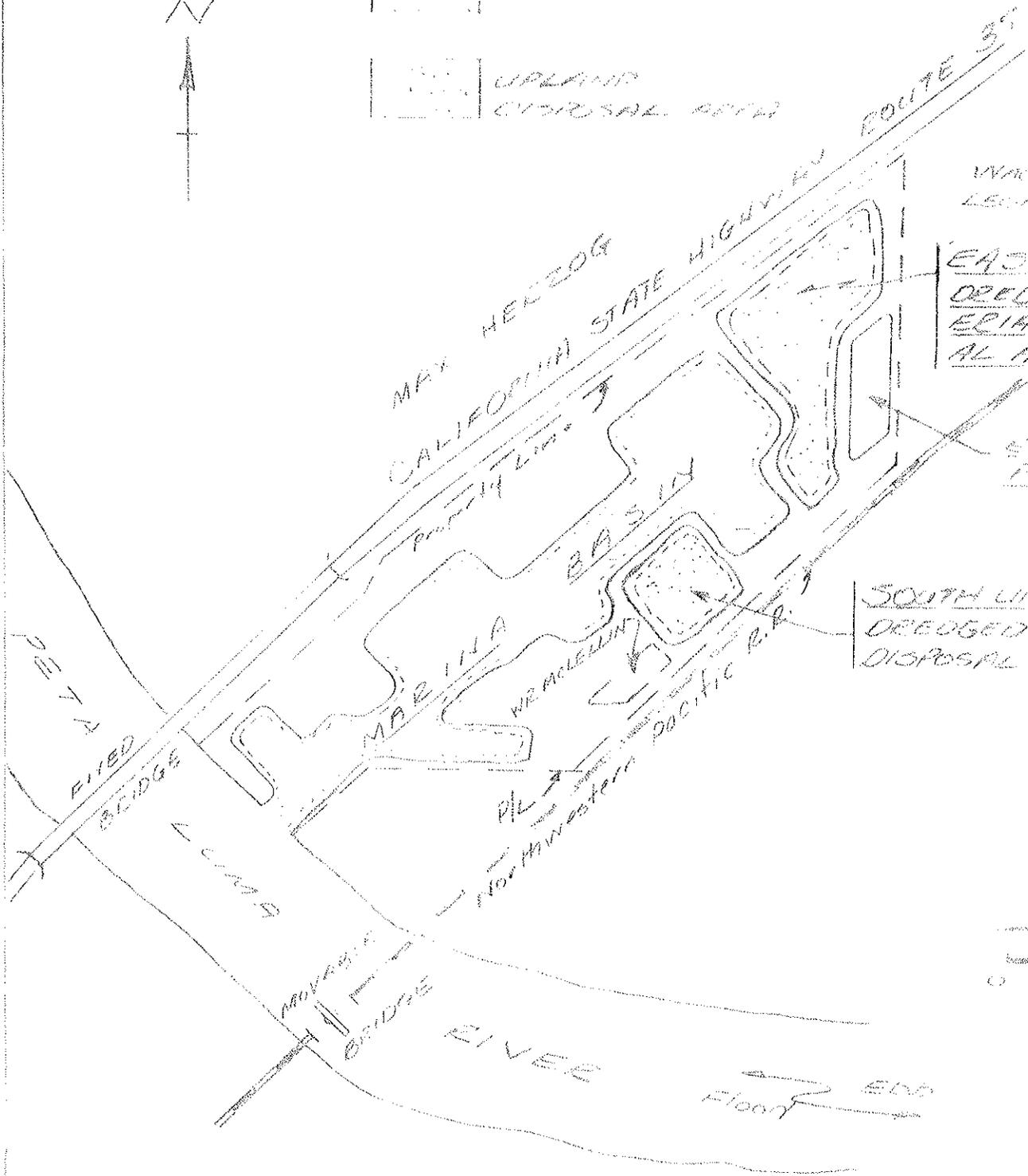
EAST UPLAND  
DREDGED MAT  
ERIAL DISPOS  
AL AREA

EVAPORATION  
POND

SOUTH UPLAND  
DREDGED MATERIAL  
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DATE: 11/10/60  
SHEET: 1 OF 1

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

T E N T A T I V E  
SELF-MONITORING PROGRAM  
FOR

Port Sonoma Investors, LTD

Port Sonoma

Petaluma, Sonoma County

ORDER NO. 84-52

CONSISTS OF

PART A

Effective Date \_\_\_\_\_

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purpose of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLES, ANALYSES AND OBSERVATIONS

A. Marina Monitoring and Reference Station

<u>Station</u>	<u>Description</u>
M-1 thru M-5	At points in the Port Sonoma Marina located at the far inland extremity, opposite Marina III, one-half way between Marina III and Marina II, opposite Marina II, and Opposite Marina I. Include a map indicating locations of sampling stations.
R-1	At a point in the Petaluma River approximately 200 feet upstream from the confluence of the Petaluma River and Port Sonoma Marina.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
All M & R Stations	Grab, bi-weekly May 1 thru Sept. 30 Monthly Oct 1 thru April 30	Dissolved Oxygen <sup>(1)</sup> pH Total Fecal Coliform <sup>(2)</sup>	mg/l electrometric MPN/100ml

(1) To be taken at the surface and one foot above the bottom at 8 a.m.

(2) To be taken day following weekend or holiday.

B. Septic Tank Leachfield

<u>Station</u>	<u>Description</u>
S-1 thru S-N	At any point surfacing waste appears.

<u>Station</u>	<u>Frequency of Observation</u>	<u>Observations</u>
All S Stations	Monthly throughout the year	1. Evidence of waste surfacing  2. Wet spots or lush growth existing in septic tank and/or leach field area.

C. Evaporation Pond

<u>Station</u>	<u>Description</u>
P-1	At any point in the pond within one foot from the surface.
D-1 thru D-N	At points along the perimeter of the pond dikes.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
P-1	Grab, monthly	Pond Influent	Average Daily and weekly flow, mgd
	Grab, monthly	Dissolved Oxygen	mg/l
	Grab, monthly	pH	electrometrics
	Grab, monthly	Dissolved Sulfide(1)	mg/l

<u>Station</u>	<u>Frequency of Observations</u>	<u>Observations</u>
All D Stations	Monthly throughout the year	1. Determine pond freeboard and water depth (at lowest point in pond perimeter dike) <sup>(2)</sup>  2. Evidence of leaching liquid from pond perimeter dike and estimated size of affected area (show affected area on a sketch)

(1) If D.O. is less than 2.0 mg/l.

(2) A water level staff gauge is to be installed and monitored.

3. Odor: presence or absence characterization, source and distance of travel
4. Estimated number of waterfowl or other water associated birds in pond's vicinity

### III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

#### 1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board Office by telephone at (415) 464-1255 as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

#### 2. Bypass Reports:

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any ponded water shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in estimating volume, and persons (including Sonoma County Health) notified, for bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations, such as operation modifications and/or pond facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed by the facility owner. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in II.A-c, including dates and times of sampling and/or observations.

c. Map:

A map shall accompany the report showing sampling and observation station locations.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-52.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES  
Executive Officer

Effective Date August 23, 1984