CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-080
NPDES NO. CA0105091

WASTE DISCHARGE REQUIREMENTS
AND NPDES PERMIT
FOR
ARTEMIA FROM THE SEA, SAN FRANCISCO BAY BRAND, INC.
BRINE SHRIMP BREEDING FACILITY
Salton City - Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Artemia From The Sea (hereinafter referred to as the discharger), P.O. Box 5355, Salton City, CA 92275, is owned by San Francisco Bay Brand Inc., 8239 Enterprise Way, Newark, CA 94560, and by application dated June 29, 1989, has applied for waste discharge requirements to discharge wastewater under the National Pollutant Discharge Elimination System.

2. The discharger proposes to discharge a maximum of 5,000 gallons-per-day of wastewater from a brine shrimp production facility into Salton Sea. Water would be pumped from the Sea through a series of sand filters into a storage reservoir, circulated through raceways and synthetically-lined breeding ponds, and then returned to the Sea in the SW 1/4 of Section 15, T10S, R10E, SBB&M. In order to maximize breeding, the Total Dissolved Solids (TDS) content of water in the breeding ponds would be raised significantly, via evaporation, but prior to discharge into the Sea, the TDS level would be reduced to 35,000 mg/l or below by dilution with local well water.

3. The on-site well that would be used for dilution is an artesian well, approximately 60 feet deep, that taps the regional confined aquifer. The well was constructed with 6-inch diameter Poly Vinyl Chloride (PVC) casing and is screened from a depth of 60 feet to 20 feet. The TDS content of this well water is approximately 5,000 mg/l.

4. The facility includes sixteen 5,000 sq. ft. culture ponds, two 10,000 sq. ft. wastewater drainage basins, and a 5,000 sq. ft. intake storage reservoir. Ten of the culture ponds are indoors (covered by plastic domes) for winter breeding.

5. Wastewater would be pumped from the culture ponds into the drainage basin(s) and then pumped to the Salton Sea after dilution.

6. No chemicals would be added to any water to be discharged to Salton Sea.

Rescinded by: Bd. Order #96-054 11/13/96

7. The Water Quality Control Plan for the Colorado River Basin contains beneficial uses and water quality objectives for the Salton Sea. The beneficial uses of the Salton Sea are:

   a. Aquaculture (AQ)
   b. Water-Contact Recreation (REC I)
   c. Nonwater-Contact Recreation (REC II)
   d. Warm Water Habitat (WARM)
   e. Wildlife Habitat (WILD)

8. The Limitations and Provisions of this Board Order are only applicable to aquaculture operations that use Salton Sea water to culture aquatic organisims.

9. In accordance with Section 13389 of the California Water Code and Section 15263, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements is exempt from the California Environmental Quality Act requirements to prepare an Environmental Impact Report or Negative Declaration (Public Resources Code, Section 21100 et seq.).

10. The discharger and interested agencies and persons have been notified of the Board's intent to prescribe requirements for the proposed discharge and have been provided with the opportunity for a public hearing and the 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 the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Wastewater discharged to the Salton Sea shall have a Total Dissolved Solids (TDS) content not exceeding 35,000 mg/l.

2. Wastewater discharged to the Salton Sea shall maintain pH values within the limits of 6.0 to 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to the Salton Sea shall:

   a. Contain at least 5.0 mg/l of dissolved oxygen.
   b. Not contain oil, grease, scum, sludge or visible solids.
   c. Not contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish or other aquatic life.

2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations adopted thereunder.

C. Provisions

1. Neither the treatment nor the discharge of wastewater shall create pollution or a nuisance as defined in Division 7 of the California Water Code.

2. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.

3. The discharger shall comply with the attached "Monitoring and Reporting Program No. 89-080", and future revisions thereto, as specified by the Executive Officer, and "Standard Provisions" adopted December 23, 1985, and future revsisions thereto.

4. Prior to "on-line" discharge from the facility, laboratory analysis of "trial run" treated effluent shall be performed to confirm the wastewater quality is within the limits specified by this permit. Effluent containing constituents in excess of these limits shall not be discharged to the Salton Sea. Should constituent levels in treated wastewater exceed permit specifications, alternative disposal or additional treatment followed by substantiating laboratory analysis shall be required.

5. Any methods of treatment used to bring the discharged wastewater into compliance with the requirements of this Board Order shall be reported in writing to the Regional Board prior to implementation.

6. Surface and ground waters that would otherwise provide fresh water replenishment for the Salton Sea shall not be used to dilute the wastewater to meet the requirements of this Board Order.

7. Bioassays shall be performed yearly to evaluate the toxicity of the discharge in accordance with the following procedures:

   a. Bioassays shall be conducted on a sensitive saltwater fish species as approved by the Regional Board's Executive Officer in accordance with an EPA test protocol for that species. Gillichthys mirabilis (long jawed mudsucker) is a recommended species.

   b. Said bioassay test shall be performed annually using 100 percent wastewater effluent.

8. Prior to any change of ownership of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.

9. This Order expires five years from November 29, 1989, and the discharger shall file a complete Report of Waste Discharge in accordance with Title 23, California Code of Regulations, at least 180 days in advance of such date as an application for issuance of new waste discharge requirements.

10. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Clean Water Act, or amendments thereto, and shall take effect at the end of ten days from date of adoption provided the Regional Administrator of the U.S. Environmental Protection Agency (EPA) has no objections.

I, Philip A. Gruenberg, 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, Colorado River Basin Region, on November 29, 1989.

Philip A Gruenberg
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-080
FOR
ARTEMIA FROM THE SEA, SAN FRANCISCO BAY BRAND, INC.
BRINE SHRIMP BREEDING FACILITY
Salton City - Imperial County

Location of Discharge: Salton Sea in the SW 1/4 of Section 15, T10S, R10E, SBB&M

EFFLUENT MONITORING

Wastewater discharged to Salton Sea shall be monitored for the following constituents. A sampling station shall be established at the point of discharge and shall be located where representative samples of the effluent can be obtained.

Constituent	Unit	Type of Sample	Sampling Frequency
Total Dissolved Solids (TDS)	mg/l	Grab	Weekly
pH	pH Units	Grab	Weekly
Flow	Gallons	Daily[1]	Reported Monthly
Source and TDS of dilution water	mg/l	Grab	Monthly
Volume of dilution water used	Gallons	Metered	Monthly
Bioassay	-	Grab	Annually

REPORTING

The discharger shall implement the above monitoring program within 30 days following commencement of discharge, and shall notify the Regional Board at least 10 days in advance of commencement of discharge. Monthly and weekly monitoring data shall be submitted to the Regional Board by the 15th day of the following month. Annual reports shall be submitted by January 15 of the following year.

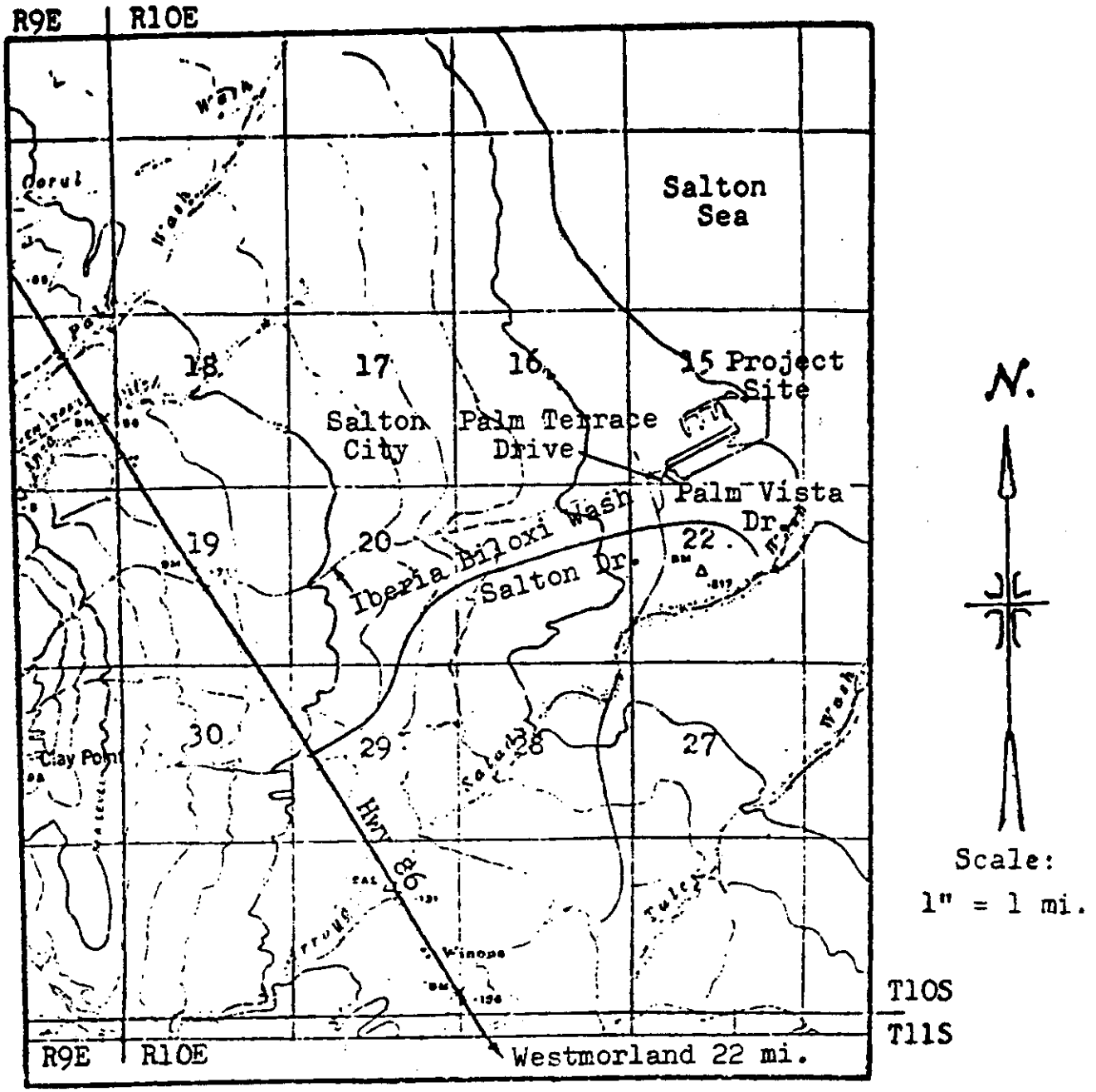
[1] For each day with average monthly flow calculated.

Submit monitoring data to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

ORDERED BY: Philip A Gruenberg
Executive Officer

November 29, 1989
Date



SITE MAP

ARTEMIA FROM THE SEA, SAN FRANCISCO BAY BRAND, INC.
BRINE SHRIMP BREEDING FACILITY
Salton City - Imperial County
SW¼, Section 15, T10S, R10E, SBB&M
U.S.G.S. Durmid 15 min. Topographic Map

Board Order No. 89-080