

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2004-0024

FOR

CRESCENT CITY HARBOR DISTRICT
SEAFOOD-PROCESSING WASTEWATER TREATMENT FACILITY

Del Norte County

SEAFOOD PROCESSING RECORDS

Pounds of seafood processed shall be recorded as a daily total for each of the following:

Fish
Crabs
Shrimp

Compliance with daily maximum processing effluent limitations will be determined from mass emission rates calculated using composite effluent concentrations with the flow and weight of fish processed on the day of sample collection. Compliance with monthly average processing effluent limitations shall be determined by computing a mass emission rate using total discharge flows and total pounds of seafood processed with the average of all daily concentrations within a calendar month.

EFFLUENT MONITORING

Effluent flow shall be measured and recorded as a daily total. Effluent samples shall be collected at a point following all treatment and prior to discharge to the outfall. Daily grab samples shall be collected on each day that any discharge occurs and shall be analyzed for the following:

<u>Constituent</u>	<u>Units</u>
Hydrogen Ion	pH
Chlorine Residual	mg/L
Settleable Solids	mL/L

At least one composite sample shall be collected during each calendar week if effluent is discharged during that calendar week. The sample shall be collected on the day of that calendar week during which the greatest quantity of fish is processed (or, if no fish were processed during that week, on the day of highest total flow.) Automatic composite

sampling devices may be used or hand-collected composite samples may be substituted. The sampling interval for all composite sampling shall be no more than one hour.

Weekly samples shall be analyzed for the following:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>
Total Suspended Solids	mg/L	24-hour composite
Oil and Grease	mg/L	24-hour composite
Ammonia	mg/L	grab
Turbidity	NTU	grab

Annually, on the first day of fish processing of a calendar year, a 24-hour composite sample shall be collected and analyzed for the following:

<u>Constituent</u>	<u>Units</u>
Acrylonitrile	ug/L
Antimony	ug/L
Benzene	ug/L
bis(2-ethylhexyl)phthalate	ug/L
Cadmium	ug/L
Hexavalent Chromium	ug/L
Copper	ug/L
1,1-dichloroethylene	ug/L
Lead	ug/L
Mercury	ug/L
Nickel	ug/L
Zinc	ug/L

CHRONIC TOXICITY MONITORING

A chronic toxicity bioassay shall be conducted using effluent samples collected during the annual sampling event. During the first year, test organisms shall include topmelt *Atherinops affinis*, red abalone *Haliotis rufescens*, and giant kelp *Macrocystis pyrifera*. The sensitivity of these three test organisms shall be determined during the first year of testing, and subsequent chronic toxicity bioassays shall use only the critical life stage of the most sensitive of the three organisms.

RECEIVING WATER MONITORING

Receiving waters shall be monitored for pH and dissolved oxygen at Preston Island outside the zone of dilution. Background samples for pH and dissolved oxygen shall be collected from a Lighthouse Island location immediately outside the zone of initial dilution of the discharge. These receiving water samples may be coordinated with monitoring by the City of Crescent City.

On three days during the period of shrimp processing, the permittee shall:

1. Collect and analyze an effluent sample for oil and grease, and
2. Visually observe the discharge from the outfall. The purpose of the observation shall be to determine compliance with **E. RECEIVING WATER LIMITATIONS** 1. A narrative description of receiving water appearance near the outfall shall be reported with emphasis on the presence or absence of floating materials, including solids, liquids, foam, and scum. If any floating materials are observed, the report should be expanded to include the appearance of a control station located away from the influence of the outfall. If differences are observed between the outfall and the control station, the report should be expanded to include the appearance of both stations during a period of similar wind and weather conditions, but without shrimp processing.

REPORTING

Monitoring reports shall be submitted to the Regional Water Board for each month on or before the last day of the following month. The reports shall be consistent with the terms of Waste Discharge Requirements Order No. R1-2004-0024. During months when no effluent is discharged, the reports shall simply certify that fact under the signatory requirements of **G. GENERAL PROVISIONS** 11. of Order No. R1-2004-0024.

Ordered by: _____
Catherine E. Kuhlman
Executive Officer
May 12, 2004