

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM
ORDER R1-2015-0062

for

Hog Island Oyster Company
Arcata Bay Mariculture Facility
1578-1606 Fay Avenue, Samoa
WDID No. 1B13135NHUM

Humboldt County

Hog Island Oyster Company, (Discharger) shall be subject to the following monitoring and reporting requirements, unless such requirements are modified by the Executive Officer. California Water Code sections 13267 and 13383 authorize the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. This Monitoring and Reporting Program establishes monitoring and reporting requirements, which implement California regulations. Any person failing to furnish technical or monitoring reports or falsifying any information therein is guilty of a misdemeanor, and may be subject to civil liability. (California Water Code section 13268)

I. INFLUENT MONITORING

- A. The Discharger shall monitor the volume of intake water from Humboldt Bay to the flow-through mariculture facility at a point where representative samples of intake water can be collected. Influent flow shall be measured by flow meter or other appropriate method to accurately determine flow. The monthly intake shall be reported as total gallons per month and average gallons per day¹. Influent monitoring is not required during a month when there is no intake flow. The Discharger shall indicate periods of no flow in the annual report.

Table 1. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency²
Flow, monthly intake	Gallons	Meter or measurement	Monthly
Total Suspended Solids	mg/L	Grab	Monthly
Temperature	°C	Grab	Monthly

¹ The monthly average discharge is calculated by dividing the total flow in the calendar month by the number of days in the month. The result shall be expressed as gallon per day.

² If the Discharger monitors any parameter more frequently than required by this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the self-monitoring report.

II. EFFLUENT MONITORING

A. Monitoring For Discharges to Humboldt Bay

1. When there is a discharge of process water from the facility to Humboldt Bay during any calendar month, the Discharger shall monitor and report the monthly discharge for that month at a point where representative samples of the discharge can be collected. The monthly discharge volume to Humboldt Bay shall be reported as total gallons per month and average gallons per day¹. Discharges shall be monitored as listed below.

Table 2. Effluent Monitoring – Humboldt Bay Discharges

Parameter	Units	Sample Type	Minimum Sampling Frequency ^{1,2}
Flow, monthly discharge ³	Gallons	Meter or measurement	Monthly
Total Suspended Solids	mg/L	Grab	Monthly
Temperature	°C	Grab	Monthly

B. Monitoring for Wastewater Discharges to the Subsurface Infiltration Area

1. **Seed Wash Process Water.** When there is a discharge of process water from the seed wash process to the subsurface infiltration area during any calendar month, the Discharger shall monitor the monthly discharge to the subsurface infiltration bed for that month at a point downstream of the dosing chamber and prior to discharge to the subsurface infiltration bed. The monthly discharge shall be reported as average gallons per day¹. Discharges shall be monitored as listed in Table 3.

Table 3. Effluent Monitoring – Seed Wash Process Wastewater

Parameter	Units	Sample Type	Minimum Sampling Frequency ^{1,2}
Flow, monthly discharge	Gallons	Meter or measurement	Monthly
Chlorine Residual	mg/L	Measurement	Monthly

2. **Domestic Wastewater.** When there is a discharge of domestic wastewater to the subsurface infiltration area during any calendar month, the Discharger shall monitor the discharge for that month at the “Sampling Basin,” which is identified in the Treatment System Schematic as a point after the final polishing filter and

³ The Discharger may use the influent flow measurement to calculate the monthly discharge flow. In reporting the result, the Discharge shall indicate that influent flow was used in the calculation, and shall indicate when rainwater falling into the effluent raceway has affected the total discharge volume.

UV disinfection system and upstream of the dosing chamber. The monthly discharge shall be reported as the maximum daily flow and the average gallons per day¹. Discharges shall be monitored as listed in Table 4.

Table 4. Effluent Monitoring – Domestic Wastewater

Parameter	Units	Sample Type	Minimum Sampling Frequency^{1, 4}
Flow, maximum daily ⁵	Gallons per minute	Meter or measurement	Continuous
Flow, monthly discharge	Gallons per day	Meter	Monthly
Total Coliform Bacteria	MPN/ 100 mL	grab	Monthly
Total Nitrogen (as N)	mg/L	grab	Monthly
Nitrate as N	mg/L	grab	Monthly

III. ANNUAL REPORT

Annual reports shall be submitted so that they are received by the Regional Water Board by February 1 following the monitoring year. The annual report shall include the following:

A. Transmittal Letter

A transmittal letter, identifying the facility name, address and WDID number, shall accompany each monitoring report. The transmittal letter shall discuss any violations that occurred during the reporting period and all actions taken or planned for correcting the violations, such as operation or system modifications. If the Discharger previously submitted to the Regional Water Board a report describing the corrective action or time schedule for implementing the corrective actions, reference to the previous report is satisfactory.

B. Report Format

The Discharger shall arrange the monitoring results in tabular form so that the date, the constituents, and the concentrations are readily discernible. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurement(s);
2. The individual(s) who performed the sampling or measurement(s);

⁴ Based on the results from the first year, Regional Water Board may, at its discretion and at the request of the Discharger, reduce the monitoring frequency of certain constituents.

⁵ The daily maximum flow is the maximum flow through the disinfection unit, in gallons per minute, in any 24-hour period

3. The date(s) analysis were performed;
4. The individual(s) who performed the analysis;
5. The analytical techniques or method used;
6. The results of such analysis; and

C. Signature and Certification

The annual report shall be signed by a duly authorized representative. The person signing the annual report shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

D. Electronic Submittal of Documents

Effective June 2, 2014, all regulatory documents, data, correspondence, or other materials should be submitted via email to NorthCoast@waterboards.ca.gov or on disk (CD or DVD) in a Portable Document Format (PDF) file in lieu of paper-sources documents. The guidelines for electronic submittal of documents can be found on the Regional Water Board website at <http://www.waterboards.ca.gov/northcoast>.

Ordered by _____

Matthias St. John
Executive Officer

September 18, 2015