



Alaska Department of Environmental Conservation
Division of Water



Module 4C

Sea Surface and Shoreline Monitoring

2012 SEAFOOD PROCESSING WASTE PERMITTING & COMPLIANCE WORKSHOP

Seattle, Washington April 24-25, 2012

Module 4C – Sea Surface & Shoreline Monitoring

MODULE 4C



Chris Foley

Environmental Program Manager

Module 4C Objectives

MODULE 4C



- Explain required sea surface and shoreline monitoring permittee observations.
- Review sea surface data collection; including record keeping, proper form usage, and photography requirements.
- Discuss tide cycle considerations for monitoring efforts and logs.

Module 4C – What You Will Learn

MODULE 4C



- How to effectively collect sea surface monitoring information and to include tide cycle considerations.
- Learn to correctly complete the required logs for filing with the annual report.
- Understand the required photographic standards for sea surface monitoring.

Sea Surface & Shoreline Monitoring

MODULE 4C



Sea Surface Monitoring

All operators shall conduct a sea surface monitoring program. The purpose of the sea surface monitoring program is to determine compliance with WQS and to document observations of, or incidents involving, threatened or endangered species. The requirements of the sea surface monitoring program can be found in Permit Part 6.4. The daily log shall be submitted with the annual report. An operator can use the example *Sea Surface Visual Monitoring Log* (see permit Attachment C).

Sea Surface Monitoring

MODULE 4C



Sea Surface Monitoring Requirements

An operator authorized under the APDES GP is required to conduct daily sea surface monitoring while discharging seafood processing effluents to ensure compliance with permit requirements for:

- Water Quality Standards (WQS)
- Permit Conditions
- Threatened / Endangered Species Observations or Incidents

Sea Surface Monitoring

MODULE 4C



Daily sea surface monitoring shall be recorded on the *Sea Surface Monitoring Log* form, which is provided with the APDES as Attachment C.

Sea Surface Monitoring Log Form

MODULE 4C



Requirements

An operator shall submit a report summarizing the information gathered during the calendar year, including certified copies of the monitoring logs, to ADEC. A certified copy of a log is when each observer who records an observation on a log sheet signs the log sheet and certifies as stated in Appendix A, Part 1.12.5. with the annual report (Part 6.2.2.11.6).

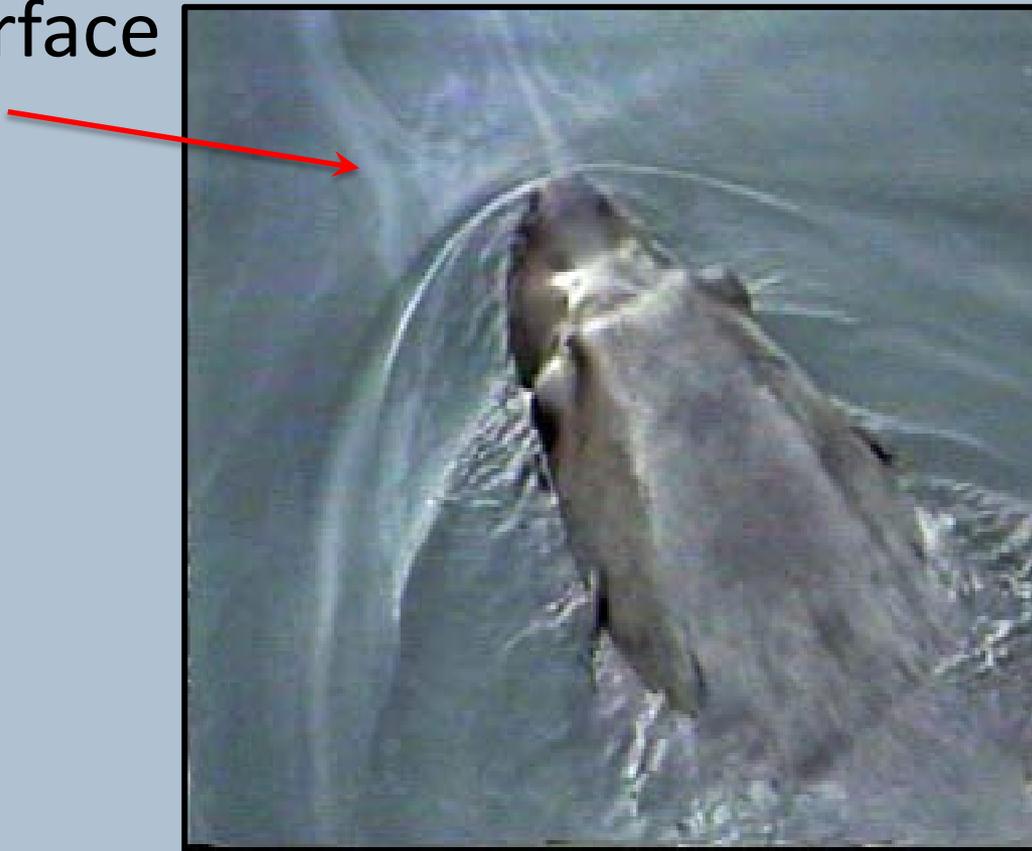
Signatory requirements. The monitoring report shall be signed by a principal officer or a duly appointed representative of the operator (Appendix A, Part 1.12, Signature Requirement and Penalties).

Wildlife Observation

MODULE 4C



Note oil sheen on
the surface



Sea Surface Monitoring - Photographs

MODULE 4C



In addition to the *Sea Surface Monitoring Log*, a permittee shall capture digital pictures of the sea surface while processing is occurring.

Minimum Photo Requirements:

- Photos must be taken at least once per month while processing is occurring.
- Photos must provide sufficient clarity and detail to support the observations on the daily log form, and must represent what was observed.
- Photos must include a digital date and time stamp.

Sea Surface Monitoring - Photographs

MODULE 4C



A written photograph log with the name of the person taking the picture and picture description shall track the daily observations and operations.

Pictures and the picture log shall be submitted on a CD or DVD as required with the APDES annual report.

Sea Surface & Shoreline Monitoring

MODULE 4C



Noncompliance Observations

An operator shall report any noncompliance to ADEC in accordance with Appendix A, Part 3.5, (Other Noncompliance Reporting), and a written summary submitted with the annual report (Part 6.2.2.7). The summary will include the duration of the noncompliance and how the noncompliance was resolved.

Sea Surface & Shoreline Monitoring

MODULE 4C



Shoreline Monitoring

MODULE 4C

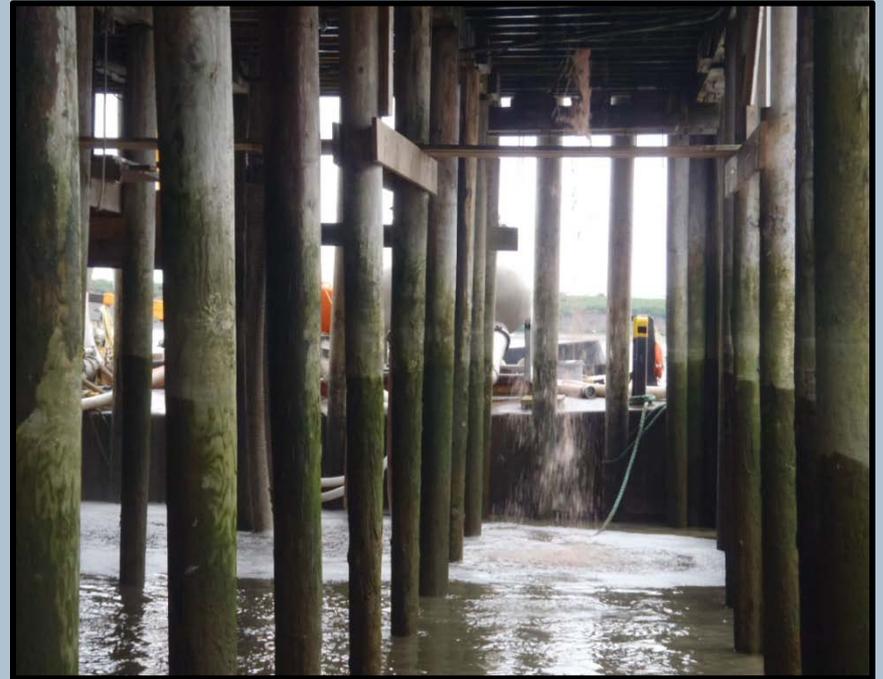
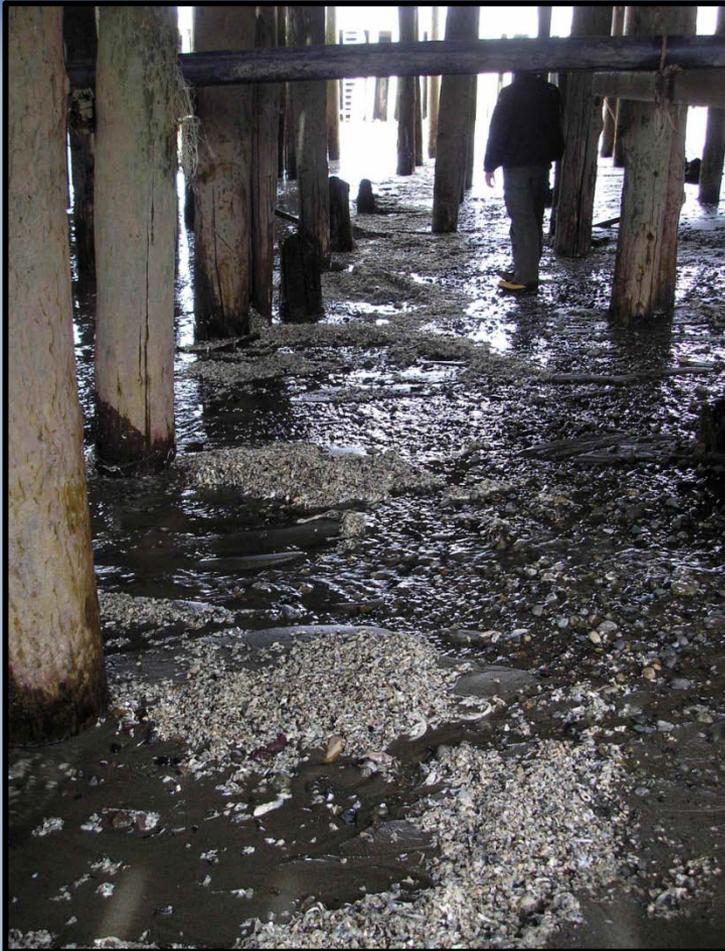


Floating solids, debris, sludge, deposits, foam, scum or other residues discharged shall not:

- cause the water to be unfit or unsafe for use;
- cause a film, sheen, or discoloration on the surface of the water or adjoining shorelines; or
- cause a sludge, solid or emulsion to be deposited beneath or upon the surface
- water, within the water column, on the bottom, or upon adjoining shorelines.

Shoreline Monitoring

MODULE 4C



End of Module 4C

MODULE 4C

