



Alaska Department of Environmental Conservation
Division of Water



Module Review

1 & 2



2012 SEAFOOD PROCESSING WASTE PERMITTING & COMPLIANCE WORKSHOP

Anchorage, Alaska • February 28-29, 2012

Module 1 Review



According to the CWA, by what year
where all pollutant discharges to
navigable waters to cease?

Module 1 Review



1985

As part of the CWA national goals and policies the EPA aimed to eliminate the discharge of pollutants to navigable waters by 1985.

Module 1 Review



Alaska became the ## state to receive authority to administer the NPDES program?

Module 1 Review



Alaska became the **46th** state to receive authority to administer the NPDES program?

Module 1 Review



What is EPA's role after authority for a sector has been transferred to Alaska?

Module 1 Review



What is EPA's role after authority for a sector has been transferred to Alaska?

- **Inspect facilities**
- **Object to permits that don't meet CWA requirements**
- **Enforce APDES permits**
- **Bonus Answer-Audit the APDES program**

Module 2 Review



Name the 5 conventional pollutants:

Module 2 Review



Name the 5 conventional pollutants:

- **pH**
- **BOD**
- **TSS**
- **Oil and Grease**
- **Fecal Coliform**

Module 2 Review



What does the acronym BPT mean?

Module 2 Review



What does the acronym BPT mean?

**Best Practicable Control
Technology Currently Available**

Module 2 Review



What part of the Code of Federal Regulations is the ELG for the Seafood Processing Point Category?

Module 2 Review



What part of the Code of Federal Regulations is the ELG for the Seafood Processing Point Category?

40 CFR Part 408

Module 2 Review



What will happen next regarding the 2
Petitions from 1980?

Module 2 Review



What will happen next regarding the 2
Petitions from 1980?

EPA HQ will post a Notice of Data
Availability (NODA) in the Federal Register.

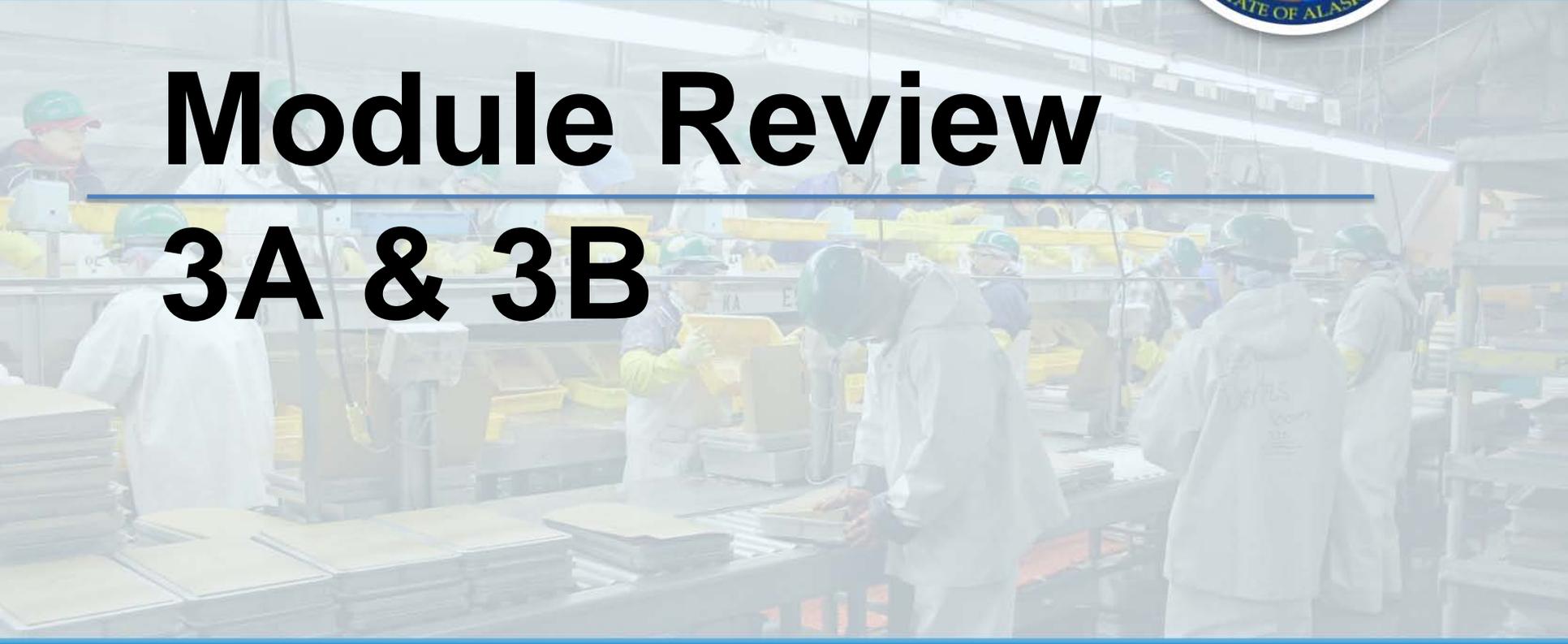


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Module Review

3A & 3B



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Module 3A Review



Name the 4 categories of facilities covered by the AKG52000 permit:

Module 3A Review



Name the 4 categories of facilities covered by the AKG52000 permit:

Offshore

Nearshore

Shorebased

At-Sea

Module 3A Review



What is a baseline?

Module 3A Review



What is a baseline?

Generally, the baseline consists of the mainland low-water line and any offshore islands and additional features that are applicable to the U.S. coast, such as river mouths, bays, and enclosed harbors from which the breadth of the territorial sea is measured.

Module 3A Review



What Act regulates the dumping of material into the ocean?

Module 3A Review



What Act regulates the dumping of material into the ocean?

The Marine Protection, Research, and Sanctuaries Act (MPRSA) or the Ocean Dumping Act.

Module 3A Review



How many criteria must be satisfied in order to degrade existing water quality?

Module 3A Review



5

1. Necessary to accommodate important economic or social development in the area
2. Reducing water quality will not violate water quality criteria
3. Water quality will be adequate to protect existing uses
4. The methods of pollution prevention, control and treatment be the most effective and reasonable and will be applied to all wastes and substances discharged
5. All wastes will be treated and controlled to the highest statutory and regulatory requirements

Module 3A Review



Who is eligible for an IP?

Module 3A Review



Who is eligible for an IP?

**Those that cannot be covered by a
General Permit.**

Module 3A Review



Who has a duty to apply for an IP?

Module 3A Review



Who has a duty to apply for an IP?

The facility operator.

Module 3A Review



What is the form associated with a mixing zone application?

Module 3A Review



What is the form associated with a mixing zone application?

Form 2M

Module 3A Review



Which Tables in Form 2C must be completed separately for each outfall?

Module 3A Review



Which Tables in Form 2C must be completed separately for each outfall?

Table 6A, 6B and 6C

Module 3A Review



True or False, Form 2C has a separate signature and certification that must be signed by the responsible party.

Module 3A Review



True or **False**, Form 2C has a separate signature and certification that must be signed by the responsible party.

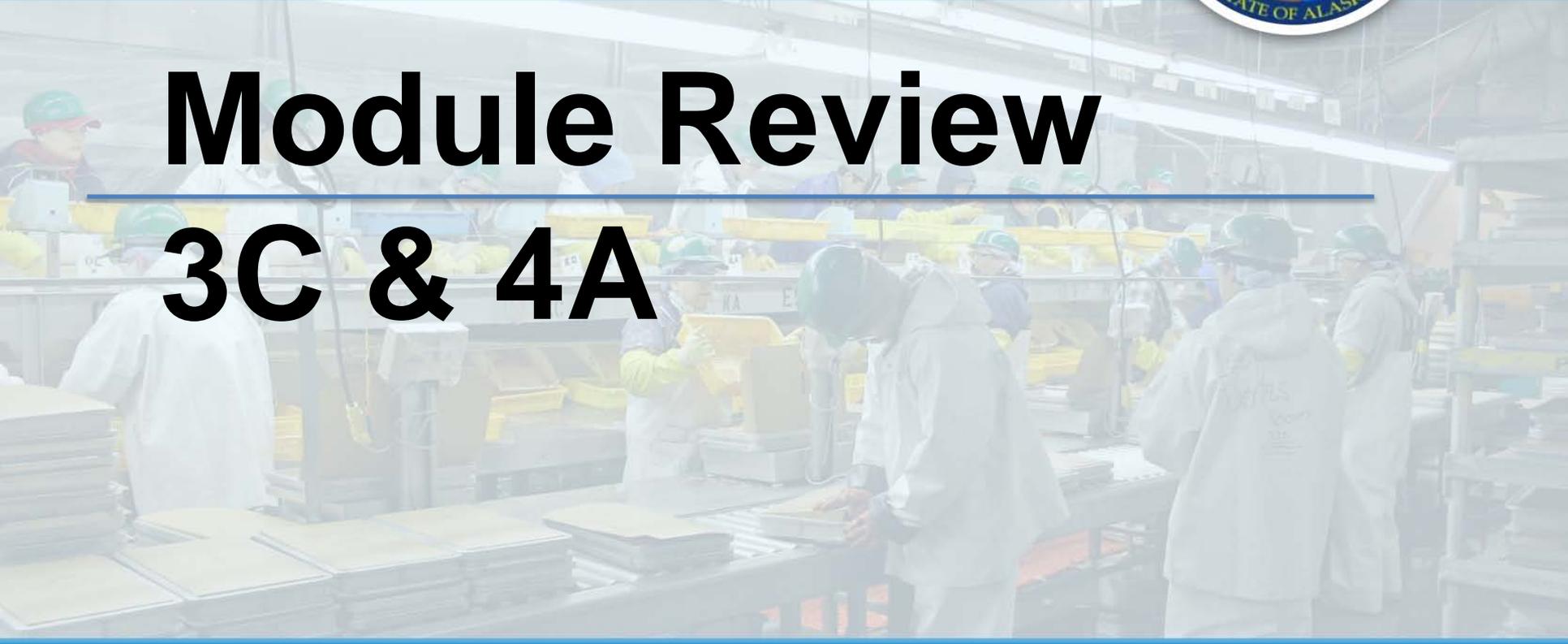


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Module Review

3C & 4A



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Module 3C Review



What is myAlaska?

Module 3C Review



What is myAlaska?

myAlaska is an authentication and electronic signature system allowing citizens to interact with multiple State of Alaska services through a single username and password.

Module 3C Review



How many attachments can be uploaded to an eNOI?

Module 3C Review



How many attachments can be uploaded to an eNOI?

No limit, but each attachment must be smaller than 20 mb

Module 3C Review



Can you make additional edits to an eNOI after you have clicked the signature options?

Module 3C Review



Can you make additional edits to an eNOI after you have clicked the signature options?

No.

Once you click Sign this Application Using e-Signature or Print, Sign and Submit a Hard-Copy Signature Page the eNOI is locked.

Module 3C Review



True or False. The permit expiration date changes when a permit is modified.

Module 3C Review



True or False. The permit expiration date changes when a permit is modified.

False.

Only the permit part that was proposed to be modified changes. No other parts, including the expiration date, are changed when a permit is modified.

Module 4A Review



When do complete renewal applications have to be received in order to automatically receive an administrative extension of the permit?

Module 4A Review



When do complete renewal applications have to be received in order to automatically receive an administrative extension of the permit?

A complete application has to be received 180 days before expiration of the permit for an automatic extension.

Module 4A Review



True or False: Some information required to be submitted in an Annual Report can be considered business confidential by stamping business confidential on each page of the Annual Report.

Module 4A Review



True or False: Some information required to be submitted in an Annual Report can be considered business confidential by stamping business confidential on each page of the Annual Report.

False.

Information required to be submitted in an annual report can't be considered confidential.

Module 4A Review



True or False: DEC is required to post all permit authorizations on-line.

Module 4A Review



True or False: DEC is required to post all permit authorizations on-line.

True.

DEC is required to post all authorizations on-line per statute.

46.03.110(d)

Module 4A Review



What is the purpose of effluent/receiving water monitoring?

Module 4A Review



What is the purpose of effluent/receiving water monitoring?

To better understand the characteristics of the wastewater discharge.

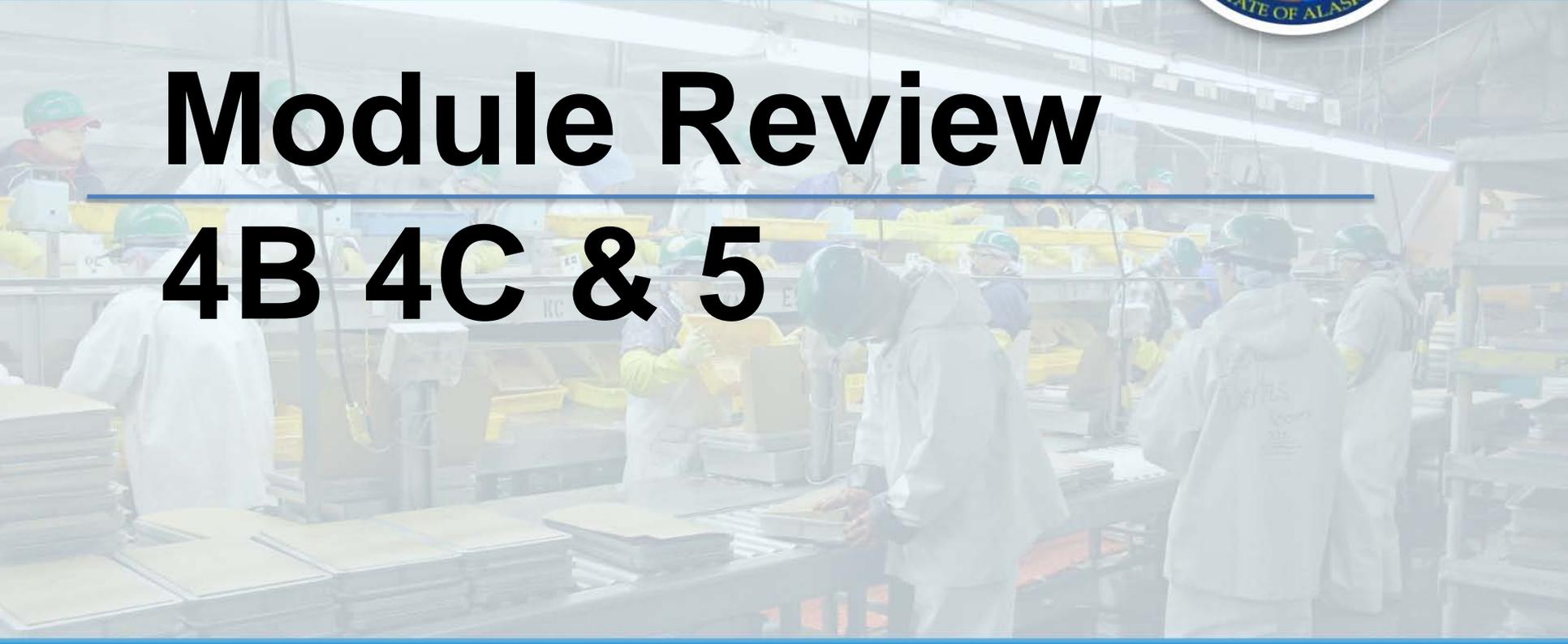


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Module Review

4B 4C & 5



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Module 4B Review



How often does the waste conveyance system need to be visually inspected?

Module 4B Review



How often does the waste conveyance system need to be visually inspected?

Daily while processing.

Module 4B Review



Is a sampling port on the seafood processing waste discharge line required?

Module 4B Review



Is a sampling port on the seafood processing waste discharge line required?

Yes

Module 4B Review



What inspection information must be submitted with the Annual Report?

Module 4B Review



What inspection information must be submitted with the Annual Report?

Summary Report

Daily Logs of inspections

**Photographs of inspections
(1 per month minimum)**

Module 4C Review



Name three objectives of a Sea Surface Monitoring Program.

Module 4C Review



Name three objectives of a Sea Surface Monitoring Program.

Determine compliance with Water Quality Standards

Compliance with permit conditions

Observations/incidences of threatened/endangered species

Module 4C Review



What are three minimum photo requirements?

Module 4C Review



What are three minimum photo requirements?

- **Taken at least once per month while processing**
- **Sufficient clarity and detail to support the observations on the log form**
- **Include a digital date and time stamp**

Module 4C Review



What is the distance from the seafood processing outfall point that foam has to be reduced to a trace?

Module 4C Review



What is the distance from the seafood processing outfall point that foam has to be reduced to a trace?

100 feet

Module 5 Review



Name three types of survey methods acceptable to DEC:

Module 5 Review



Name three types of survey methods acceptable to DEC:

Dive survey methods

Video survey methods

Grab sampling

Module 5 Review



Name 4 key survey requirements:

Module 5 Review



Name 4 key survey requirements:

- **Qualified individuals performing the surveys**
- **Repeatability of the survey**
- **Accuracy of the survey**
- **Safety of the individuals performing the survey**

Module 5 Review



Bonus Question: What is the purpose of the Seafloor Monitoring Program?

Module 5 Review



Bonus Question: What is the purpose of the Seafloor Monitoring Program?

The purpose of a seafloor survey is to determine compliance with water quality criteria for residues in marine waters and document the boundaries of continuous and discontinuous coverage of seafood processing waste on the bottom (seafloor).



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Module Review

6 & 6A



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Module 6 Review



To meet the requirements of the sampling and analysis needed to support an APDES permit, what three activities are required prior to collecting samples?

Module 6 Review



To meet the requirements of the sampling and analysis needed to support an APDES permit, what three activities are required prior to collecting samples?

Planning, Training and Standard Operating Procedure Development

Module 6 Review



After collecting samples and obtaining test results, what is the next critical step in the process?

Module 6 Review



After collecting samples and obtaining test results, what is the next critical step in the process?

Data evaluation to ensure quality assurance goals are met.

Module 6 Review



Some data did not meet the QA requirements.
Must this data be reported to DEC?

Module 6 Review



Some data did not meet the QA requirements.
Must this data be reported to DEC?

Yes.

All data collected is reported and flagged if it does not meet the QA goals.

Module 6 Review



Who's responsibility is it to report permit violations due to exceedances?

Module 6 Review



Who's responsibility is it to report permit violations due to exceedances?

The Permittee

Module 6A Review



List 3 elements for a QAPP:

Module 6A Review



List 3 elements for a QAPP:

- 1. Title and Approval Sheet**
- 2. Table of Contents**
- 3. Distribution List**
- 4. Organization Chart and Responsibilities Narrative**
- 5. Project Objectives and Description**
- 6. Sampling and Analysis Processes**
- 7. Criteria for Measurement Data**
- 8. Training and Certifications**
- 9. Documents and Records**

Module 6A Review



What is a DQO?

Module 6A Review



What is a DQO?

Data quality objective



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Module Review

6B & 6C



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Module 6B Review



What is special about the Coliform sample bottles?

Module 6B Review



What is special about the Coliform sample bottles?

They are sterile.

Module 6B Review



What preservative is used for Oil and Grease Samples?

Module 6B Review



What preservative is used for Oil and Grease Samples?

HCl acid

Module 6B Review



Are all sample bottles rinsed
before filling?

Module 6B Review



Are all sample bottles rinsed
before filling?

**No, some sample bottles contain a
preservative.**

Module 6B Review



What is the name of the document used to legally transfer samples to the offsite lab?

Module 6B Review



What is the name of the document used to legally transfer samples to the offsite lab?

Chain of Custody

Module 6B Review



Why is the Chain of Custody placed in a Ziploc bag?

Module 6B Review



Why is the Chain of Custody placed in a Ziploc bag?

To keep it dry and protected inside the cooler.

Module 6C Review



What is the holding time for BOD?

Module 6C Review



What is the holding time for BOD?

48 hours

Module 6C Review



What is the holding time for Fecal and Enterococci Coliform bacteria?

Module 6C Review



What is the holding time for Fecal and Enterococci Coliform bacteria?

6 hours

Module 6C Review



What is a common reason a laboratory will reject samples?

Module 6C Review



What is a common reason a laboratory will reject samples?

Not properly preserved between not frozen and 6C.

Module 6C Review



What type of Personal Protective Equipment should be worn to sample?

Module 6C Review



What type of Personal Protective Equipment should be worn to sample?

Protective lenses
impervious latex or nitrile gloves

Module 6C Review



What does the MCL acronym mean?

Module 6C Review



What does the MCL acronym mean?

Maximum Contaminant Level



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Module Review

7



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Module 7 Review



Is there an approved generic Seafood Processing QAPP at this time?

Module 7 Review



Is there an approved generic Seafood Processing QAPP at this time?

No

Module 7 Review



Where do Standard Operating Procedures fit into pollution prevention?

Module 7 Review



Where do Standard Operating Procedures fit into pollution prevention?

**Part of the Best Management Practices Plan
(BMP)**

Module 7 Review



What do you do if the BMP is not adequate to prevent pollution?

Module 7 Review



What do you do if the BMP is not adequate to prevent pollution?

Modify the BMP as needed to address the deficiency.

Module 7 Review



What records need to be kept at the facility?

Module 7 Review



What records need to be kept at the facility?

- 1. Copy of Permit**
- 2. ADEC authorization**
- 3. BMP Plan**
- 4. Monitoring Logs**
- 5. Lab QAPP**
- 6. Effluent sample analysis results**
- 7. MSD US Coast Guard certification**
- 8. A copy of the most recent NOI**