
Special Conditions

Permit Components

Industry-Specific Components

Components of All Permits

Municipal-Specific Components

Cover Page

Effluent Limitations

Technology-Based

Water Quality-Based

Monitoring & Reporting Requirements

Special Conditions

Compliance Schedules

Storm Water

Special Studies, Evaluations, and Other Requirements

Standard Conditions

- Effluent Guidelines
- BPJ

- Secondary
- Equivalent to Secondary

- *BMPs*

- Pretreatment
- CSOs
- Municipal Sewage Sludge



Special Conditions are Used in NPDES Permits to...

- ◆ **Address unique situations**
- ◆ **Incorporate preventative requirements**
- ◆ **Incorporate compliance schedules**
- ◆ **Incorporate other NPDES programmatic requirements (e.g., pretreatment, sewage sludge)**

Types of Special Conditions

- ◆ **Additional monitoring/studies**
- ◆ **Best management practices (BMPs)/pollution prevention**
- ◆ **Compliance schedules**

Additional Monitoring/Studies

- ◆ **Used to supplement effluent limits**
- ◆ **Used to collect data for future limit development**
- ◆ **Examples:**
 - **Dilution studies**
 - **Sediment samples**
 - **Bioconcentration studies**
 - **TIE/TRE**
 - **Ambient Monitoring**

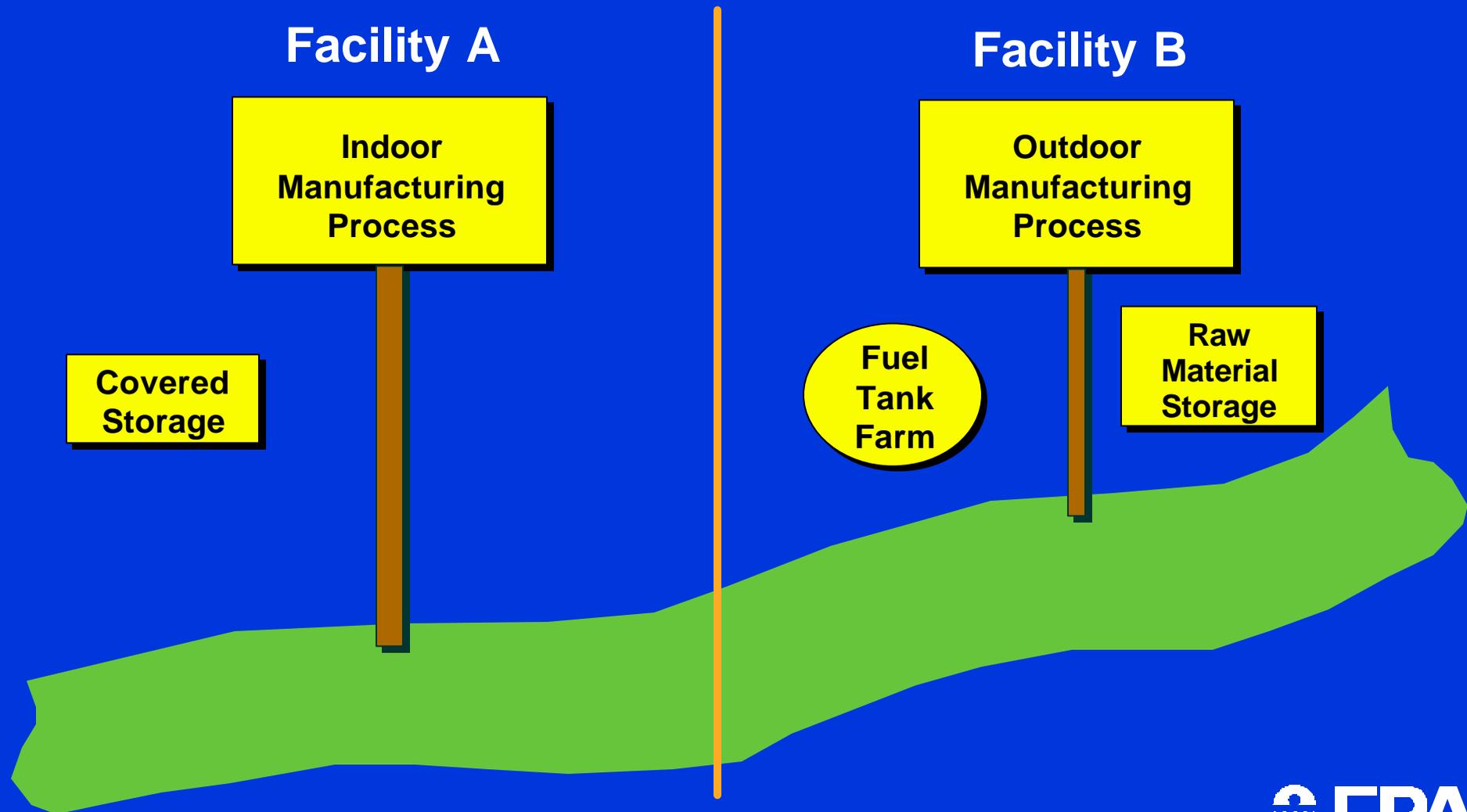
Definition of Best Management Practices

Best management practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of “waters of the U.S.”. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. [40 CFR 122.2]

Authority for Best Management Practices

- ◆ **CWA §304(e)**
 - Effluent limitations guidelines
- ◆ **CWA §402(a)(1)**
 - Case-by-case basis
 - 40 CFR122.44(k)

BMP Candidates?















BMPs in NPDES Permits

- ◆ **BMP plan**
- ◆ **Site-specific BMPs**
 - Facility-specific
 - Pollutant-specific
- ◆ **BMPs should NOT**
 - Substitute for quantitative controls
 - Tell managers how to run their plants
 - Require costly methods

Recommended Elements of a BMP Plan

◆ Recommended elements

- Name and location of facility
- Statement of BMP policy and objectives
- Review by plant manager
- BMP committee
- Risk identification and assessment
- Reporting of BMP incidents
- Materials compatibility
- Good housekeeping
- Preventive maintenance
- Inspections and records
- Security
- Employee training

Specific BMPs Are...

- ◆ Most effectively used in conjunction with effluent limitations in permits
- ◆ Qualitative -- should generally indicate how or what, not how much
- ◆ Procedural

Examples of BMPs

- ◆ Water conservation/
non-use
- ◆ Secondary containment
- ◆ Nondestructive testing
- ◆ Materials engineering
- ◆ Covering
- ◆ Sealing
- ◆ Packaging
- ◆ Waste stream segregation
- ◆ Source Elimination
- ◆ Alarm systems
- ◆ Diverting
- ◆ Paving
- ◆ Runoff control
- ◆ Sludge management
- ◆ Monitoring
- ◆ Security





Pollution Prevention and Special Conditions

- ◆ **Hierarchy of pollution prevention practices**
 - Prevention and reduction
 - Recycling and reuse
 - Treatment
 - Disposal
- ◆ **Pollution prevention measures may be implemented through BMPs**

Compliance Schedules

- ◆ **40 CFR §122.47**
 - **Allows for establishing schedules of compliance with CWA and regulations**
 - **Compliance schedule length**
 - **Requires compliance “as soon as possible”**
 - **Interim dates if schedule exceeds 1 year from permit issuance**
 - **Reporting 14 days following each interim date**

Compliance Schedule Considerations

- ◆ **Technology based limits**
 - Not generally – compliance deadlines
 - New effluent guidelines may allow
- ◆ **Water quality based limits**
 - **Starkist Decision**
 - State Regulations (WQS or NPDES) must specify
 - WQS adopted or modified since July 1, 1977