

### 2.3.1.1.1 Permitting Framework and Scope/Permit Program Areas/ Municipal and Domestic Sources/Secondary Treatment/ Secondary Treatment Equivalent

#### **Applicability:**

This applies to all domestic wastewater treatment facilities, that utilize waste stabilization ponds (lagoons) and trickling filter technology. For closely related information, see Section 2.3.1.1 Secondary Treatment.

#### **Content:**

The 1981 amendment to the Construction Grant Statutes (Section 23 of Public Law 97-147) required the EPA to provide allowances for alternative biological treatment, such as trickling filters and lagoons. These types of treatment can achieve significant reductions in BOD<sub>5</sub> and TSS, but can not consistently achieve the secondary treatment standards.

One condition states that water quality must not be adversely affected by the application of equivalent to secondary treatment limits.

As with the secondary treatment, the EPA developed standards that contain minimum limits. These standards are in 40 CFR 133.

#### **Legal References:**

*Missouri Clean Water Law, Chapter 644, RSMo*

[644.051.3](#) Prohibited acts--permits required, when, fee--bond required of permit holders, when--permit application procedures--rulemaking--limitation on use of permit fee moneys.

*Code of State Regulations*

[10 CSR 20-6.010\(8\)\(A\) and \(B\)](#) Construction and Operating Permits - Permit Terms and Conditions  
(A) Mandatory Conditions  
(B) Effluent Limits, Monitoring and other Conditions

[10 CSR 20-7.015](#) Effluent Regulations

*Code of Federal Regulations:*

[40 CFR 122](#) EPA Administered Programs: The NPDES

[40 CFR 133](#) Secondary Treatment Regulation

#### **Other Links:**

[2.3.1.1 Secondary Treatment](#)

[5.3.2.1 Secondary Treatment \(Effluent Limits\)](#)

[5.3.2.2 Equivalent to Secondary Treatment \(Effluent Limits\)](#)

#### **Key Words:**

Equivalent, Equivalent to Secondary, Equivalent to Secondary Treatment

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