

5.3.3 Effluent Limits/Technology-Based Effluent Limits/ Best Professional Judgement (BPJ) Permit Limits

Applicability:

The permit writer develops BPJ permit limits when EPA effluent guidelines do not exist or secondary treatment limits do not apply to a discharge.

Content:

BPJ effluent limitations represent technology based effluent limitations and must also insure that water quality standards are met in-stream beyond the Zone of Initial Dilution (ZID) and Mixing Zone (MZ).

Effluent limits are based on the judgement of the permit writer. Sources of information and guidance include but are not limited to the EPA "Treatability Manual", existing effluent guidelines and/or permits for similar processes/facilities, the EPA "Technical Support Document for Water Quality Based Toxics Control" (TSD), "QUAL2E" and subsequent versions of applicable water quality models. A more complete listing of guidance documents and sources of water quality/quantity information is available on "T" drive (see Other Links below).

Legal References:

Missouri Clean Water Law

[Section](#)

[644.026.1\(13\)](#)

Powers and duties of commission--rules, procedure.

[Section 644.051.3](#)

Prohibited acts--permits required, when, fee--bond required of permit holders, when--perm application procedures--rulemaking--limitation on use of permit fee moneys.

Code of State Regulations:

[10 CSR 20-](#)

[6.010\(8\)\(B\)](#)

Construction and Operating Permits - Terms and Conditions of Permits

[10 CSR 20-](#)

[7.015\(2\)\(B\)3.C & D](#)
[and \(D\)4](#)

Effluent Regulations - Missouri and Mississippi Rivers
(2)(B)3.C & D - Domestic Wastewater Discharge Limits
(D)4 Monitoring Requirements

[10 CSR 20-](#)

[7.015\(3\)\(B\)4 and](#)
[\(C\)4](#)

Effluent Regulations - Lakes and Reservoirs Limitations
(3)(B)4 Domestic Wastewater Discharge Limits
(3)(C)4 Monitoring Requirements

[10 CSR 20-](#)

[7.015\(8\)\(B\)3.C & D](#)
[and \(C\)4](#)

Effluent Regulations - All Other Water Limitations (Except Those in Paragraphs (1)(A)1.-6
(8)(B)3.C & D - Domestic Wastewater Discharge Limits
(8)(C)4 Monitoring Requirements

[10 CSR 20-](#)

[7.015\(9\)\(G\)1](#)

Effluent Regulations - General Conditions - Industrial, Agricultural and Other Nondomestic
Wastewater Discharges

Code of Federal Regulations

[40 CFR 122.44\(d\)](#)

EPA Administered Permit Programs: The NPDES

Other Links:

Water Quality Reference Guide,

on T-drive, WQRS_Resources folder, Guidance Documents folder
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Key Words:

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