

## 2.3.1.3 Permitting Framework and Scope/ Permit Program Areas/ Municipal and Domestic Sources/Biosolids

### **Applicability:**

This topic provides an overview relating to Biosolids.

### **Content:**

The word 'biosolids' is sometimes used to describe many materials. Correctly used, the term 'biosolids' is sewage sludge that has undergone treatment to reduce pathogens and vector attraction, and can be used as a fertilizer or soil amendment.

The Missouri DNR does not have a biosolids program. The department does have a number of employees in the regional offices and the central office familiar with the Federal Requirements. Biosolids are regulated under 40 CFR Part 503 Standards for the Use and Disposal of Sewage Sludge. Part 503 requirements are implemented in Missouri through the NPDES permits program. The Missouri DNR is not delegated authority to enforce Part 503 regulations. Permittees are required by Standard Conditions Part III to comply with Part 503, as well as other conditions. If violations of Part 503 are documented, they are referred to the EPA for enforcement.

Biosolids must be tested for metals and pathogens under Part 503 at varying sampling and reporting frequencies depending on the size and type of generating facility. Domestic wastewater treatment facilities generally report once per year. Reporting for industrial facilities is specified in the permit.

Facilities that are designated as "majors" must submit their reports to both EPA and the appropriate departmental regional office. All other facilities submit the report to the departmental regional office. As of December 2013, the EPA Region 7 Biosolids Contact is Robert Bryant, 913-551-7354.

Part 503 also has many requirements for biosolids handling and land application procedures. The Missouri DNR, in cooperation with the Missouri University Extension, has produced a series of Water Quality Guide Sheets on biosolids [WQ 420 – WQ 449]. WQ 422-426 are included by reference into Standard Conditions Part III. In the event that no standard exists for a particular pollutant, the department may establish a standard.

### **Legal References:**

#### *Code of State Regulations:*

[10 CSR 20-6.015\(4\)\(B\)3](#) No Discharge Permits - Permits - Design Standards

[10 CSR 20-7.015\(9\)\(F\)](#) Effluent Regulation - General Conditions - Sludge Facilities

#### *Code of Federal Regulations*

[40 CFR Part 503](#) Standards For the Use or Disposal of Sewage Sludge

[Standard Conditions for NPDES Permits Issued by the Missouri Department of Natural Resources Part III](#)

### **Other Links:**

[Water Quality Guide Sheets](#)

[2.3.8 Domestic Biosolids Management](#)

[4.6.4.2.1 Domestic Biosolids Management Plan](#)

[7.5 Land Application and No-Discharge Facilities](#)

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