



B A S M A A

Project: Preparation of Regional Biotreatment Soil Guidance and Related Documentation

Description: By December 1, 2010, Municipal Regional Permit (MRP) permittees were to submit for San Francisco Bay Regional Water Board approval, a proposed set of model biotreatments soil media specifications and soil infiltration testing methods to verify a long-term infiltration rate of 5 to 10 inches/hour. This submittal was required to contain the following information:

- proposed soil media specifications for biotreatment systems;
- proposed soil testing methods to verify a long-term infiltration rate of 5-10 inches/hour;
- relevant literature and field data showing the feasibility of the minimum design specifications;
- relevant literature, field and analytical data showing adequate pollutant removal and compliance with hydraulic sizing criteria; and
- guidance for the permittees to apply the minimum specifications in a consistent and appropriate manner.

Key points from the April 2010 Soil Media Specifications Roundtable were to be addressed in the soil guidance and related documentation.

The project's key tasks were:

- Prepare Regional Biotreatment Soil Mix Guidance
- Obtain laboratory test results for soil samples
- Prepare summary of existing literature, field, and analytical data
- Prepare Installation Guidance

FY: 10/11

Overseer: Development Committee

Contracting Agency: BASMAA

Contractors: WRA Environmental Consultants

Budget: \$14,637

Status: Done

Deliverable(s): *Transmittal – Model Bioretention Soil Media Specifications* (December 2010), including: *Technical Memorandum: Regional Bioretention Soil Guidance and Model Specification* (November 2010), *Technical Memorandum: Regional Bioretention Installation Guidance* (November 2010) and *Annotated Bibliography: Regional Biotreatment Soil Guidance* (November 2010)