Project Title: Montana Pole Treatment Plant, Bioremediation of Soils, Environmental Monitoring and Operation of Water Treatment Plant
Location: Silver Bow County
Period of Project: Ongoing since 1995
Project Leaders: Ted Duaime, Tom Bowler
Project Staff: Jamie Veis, Curt Dunstan, James Rose
Funding Source: Montana Department of Environmental Quality

Problem
The Montana Pole treatment plant superfund site is the location of a former wood-treating facility that operated from 1946 to 1985. Contamination of soils, ground water, and Silver Bow Creek has occurred as a result of discharges of solutions used in the treating process. Primary chemicals of concern are diesel fuel and pentachlorophenol (PCP). The State of Montana, U.S. Environmental Protection Agency and the Montana Department of Justice have reached a settlement with the responsible parties. Remedial actions on the north portion of the site have been completed, and work is underway on the south portion of the site. Contaminated soils removed during north side cleanup have been treated to concentrations well below specified levels and have been returned to the north side and covered. Monitoring of contamination levels in air, soil, and water are required to ensure that no additional release of contaminants occurs that might affect adjacent residential homes, Silver Bow Creek, or uncontaminated ground water.

Objective
Assist the State of Montana in the development and setup of an environmental monitoring network to ensure there is no off-site migration, or release, of site contaminants. Operate site water-treatment plant, and perform monitoring and sampling activities to establish contaminate levels. Provide all environmental monitoring during site cleanup and construction activities.

Approach
Develop and implement a monitoring plan for the organization and implementation of this remedial action plan.
Monitor particulate levels from site construction and demolition activities as well as PCP concentrations. Collect monthly samples of removed soils, residual soil, surface water (Silver Bow Creek), and ground water to test PCP concentrations; collect samples as necessary to aid.