



Martin-Marietta Site, Waterton, Co

Facility

Engineering, design, development and manufacturing of aerospace equipment at 5,200 acre facility. Liquid and solid waste disposal in a number of ponds until closure in 1980. Refuse and construction debris disposed of in on-site landfill until 1969. Other smaller disposal areas.

Problem

Two narrow 3,000-foot and 8,000-foot long groundwater plumes of volatile organic compounds in alluvium. Additional metal contamination in soil and groundwater.

SSP&A's Role

- Developed 3-D groundwater flow and transport model for RI.
- Completed evaluations of selected components of RI.
- Used model to evaluate FS scenarios and design final remedial actions.
- Model results used in public health evaluation and environmental assessment.

Remedy Goals

Containment and mass removal.

Implemented Remedy

- Extraction and treatment of alluvial groundwater at three locations. Injection of treated water at one location.
- Partial removal of soils and in-situ soil treatment.
- RCRA cap.

Litigation

Provided expert technical support for Martin-Marrietta in insurance litigation.

Status

Extraction / Treatment / Injection system in operation since 1991.