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.