

Open communication crucial to restoring portable water resource and public fishing pond

Security, Colorado



Client: Confidential Manufacturer

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WSP Contact

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Overview

WSP Environment & Energy provided a wide range of environmental engineering and consulting services to a commercial hardware and lock manufacturer located in the western United States. These services facilitated their compliance with a RCRA Administrative Consent Order within EPA Region VIII, and included groundwater investigation, strategic remediation planning, remediation engineering and design, remediation implementation, and litigation support.

Our client's challenge

Our client was required to remediate a large-scale plume of chlorinated solvents. The plume was encroaching on a portable water resource and affecting a public fishing pond; rapid response was needed to address the risks.

Our approach/services

WSP designed, built, and operated the following systems on behalf of this client:

- Six groundwater extraction systems with a total flow rate of 1500 gallons per minute.
- Two soil vapor extraction systems.
- Two in-well sparging and stripping systems.
- Two air sparge systems.
- A surface water remediation system
- Eight residential treatment systems.

Three of the above mentioned groundwater extraction systems were operated in cooperation with two local water districts.

Outcome

Rapid response and open communication with the client, state and local agencies, and the community, were crucial in the installment of a treatment system that resulted in cost savings to the client of \$100,000 per year over a 10 year period.

In addition to providing a solution for our client, we were able to restore a public fishing pond, implement a fishing-stock program, and install a handicapped accessible fishing pier so that everyone within the community could once again enjoy the local park.