



Summary

The CT source area treatability study injection activities were completed from May 27 to July 2, 2008 in accordance with the CDPHE-approved Work Plan. Variations to the approved Work Plan were necessitated by subsurface field conditions. Treatment was accomplished in both the bedrock CT source area and the overlying alluvium. A total of 15,000 lbs of BOS 100® was injected into the CT source area at 81 injection points in the bedrock and 83 injection points in the alluvium.

Post-injection performance groundwater monitoring was conducted during four sampling events to assess the efficacy of the injection activities. Both bedrock and alluvial wells were sampled to document the effectiveness of the selected remedy in reducing or eliminating CT in the source area at well ETMW03 and in reducing TCE concentrations in the saturated alluvium and upper bedrock intervals at the Site. Analytical results indicate that remediation of the CT source area has been highly successful, the CT plume is diminishing, and CT and other daughter products have completely degraded into other byproducts. It is apparent the downgradient bedrock groundwater (MWCT01) has been positively influenced by the injection program while the upgradient bedrock groundwater has not (MWCT03).

Based on the four post-injection monitoring events, contaminant rebound has not been observed and the degradation of CT in the source area has been very successful. Continued natural degradation processes combined with continued remediation of impacted groundwater due to the presence of BOS 100® in the subsurface is expected to adequately complete remediation. Further efforts are not believed necessary to address the bedrock CT plume in this area. LTE recommends performing one additional groundwater monitoring event at monitoring wells MWCT01, ETMW03 and MWCT08 in April 2009 to demonstrate that the CT concentrations have adequately decreased and to support a request for closure of the CT plume.

Please contact our office at 303-433-9788, if you have any questions about the data provided or need further information regarding the work described.

Sincerely,

LT ENVIRONMENTAL, INC.

Chris Purcell
Staff Geologist

Chris Shephard, P.E.
Project Manager