JUL 2 2 2002

Mr. Dan Wall
Project Manager
Superfund Division
U.S. EPA
Region VII
901 N. 5th Street
Kansas City, Kansas 66101

Dear Mr. Wall:

TCE IN-SITU CHEMICAL OXIDATION REPORT AND DESIGN

Enclosed is the DOE subcontractor's technical report on the pilot scale TCE-contaminated groundwater treatment and the revised full-scale design. We had previously provided to EPA and MDNR the bench scale reports, design specifications and the design for this work. In addition to the data collected by the subcontractor, DOE conducted additional sampling and analysis. This data will be provided via e-mail or fax later this week.

We have made an initial evaluation of these reports, but intend for EPA and MDNR to conduct your own reviews prior to a meeting to discuss a path forward. It has been our plan to incorporate the decision on further TCE treatment into the final GWOU ROD. The project schedule had shown the Proposed Plan to be issued in early November, 2002, however, delays in the subcontractor's submittals have pushed the target date to early December 2002. Since this review is on the critical path for the project, we would like to maintain the short turn-around time frames and request that EPA and MDNR review these reports within approximately one week. I propose that EPA, MDNR and DOE meet at the site to discuss a path forward on August 6, 2002.

Also, please note that the subcontractor has made a declaration of business confidentiality on the technical content of these reports. All agencies receiving copies of these reports should protect this information within the provisions of each organization's rules and regulations. If additional justification is required for the claim of confidentiality, please direct that

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request to me and I will work it with our subcontractor. If you have any questions, contact Tom Pauling at (636)926-7051.

Sincerely,

ORIGINAL SIGNED BY
PAMELA THOMPSON

Pamela Thompson
Project Manager
Weldon Spring Site
Remedial Action Project

Enclosure:
As stated

cc w/enclosure:
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EM-95:TPauling:x7051:emh:7/22/02 (m:ICO Final Design)

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and are not available to the public.

Pilot Scale Test Completion Report – In Situ Chemical Oxidation of TCE I Groundwater, Volumes 1 through 3.

This document is a completion report describing the activities and results of the field pilot test of in-situ chemical oxidation at WSSRAP. The field activities were conducted at two pilot test areas from January to June 2002, and were comprised of the following tasks at each location: installation of one injection well and three monitoring wells; performing baseline geological, geophysical, and hydrological investigations; performing two chemical oxidation injections; and collecting pre- and post-treatment samples. The two pilot test arias were selected by the project management contractor to provide a representative range of subsurface conditions that may be encountered in the area of TCE impact.

Full-Scale Work Plan and Design – In Situ Chemical Oxidation of TCE in Groundwater, July 8, 2002

The document is an overview of design for the injection well placement, injection volumes, process monitoring, and design change flexibility for a full-scale effort for the treatment of TCE in groundwater that exceeds the MCL of 5 μg/l. A proposed project schedule and cost estimate are also included.

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PILOT SCALE TEST COMPLETION REPORT

In-Situ Chemical Oxidation of TCE in Groundwater

VOLUME 1, REPORT AND APPENDICES A-C

Weldon Spring Site Remedial Action Project
MK-Ferguson
Subcontract #3589-SC-WP568

Submitted to
MK Ferguson Group
7295 Highway 94 South
St. Charles, MO 63304

By

ATC Associates Inc.
8233 Brentwood Industrial Drive
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June 27, 2002

ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

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FULL-SCALE WORK PLAN AND DESIGN

In-Situ Chemical Oxidation of TCE in Groundwater

Weldon Spring Site Remedial Action Project

July 8, 2002

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This work plan and design includes data that shall not be disclosed outside the Contractor and shall not be duplicated, used, or disclosed – in whole or in part – for any purpose other than to evaluate this design and associated cost proposal. If, however, a contract is awarded to this offeror as a result of – or in connection with – the submission of this data, the Contractor shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Contractor's right to use information contained in this work plan and design if it is obtained from another source without restriction. The data subject to this restriction are contained in all sheets in this work plan and design.

WELDON SPRING SITE REMEDIATION PROJECT

In-Situ Chemical Oxidation Full-Scale Work Plan and Design

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