



# Pinellas Environmental Restoration Project

## Northeast Site

## Non-Aqueous Phase Liquids

## Interim Measure Progress Report

## January Through March 2004

April 2004



U.S. Department  
of Energy



**Pinellas Environmental Restoration Project  
Northeast Site Non-Aqueous Phase Liquids  
Interim Measures Progress Report**

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Work Performed by S.M. Stoller Corporation under DOE Contract No. DE-AC01-02GJ79491  
for the U.S. Department of Energy Office of Legacy Management, Grand Junction, Colorado

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## 1.0 Introduction

This report is the seventh quarterly report for the in-situ thermal remediation of non-aqueous phase liquids (NAPL) at the Northeast Site, covering the period of January through March 2004. Previous reports provided background information for the site, a description of the remediation process, an overview of construction and operation activities for NAPL Area A, a description of the final activities for the Area A remediation system, including demobilization, confirmatory sampling, and the final report. Additionally, recent quarterly reports contained a description of planning activities for the construction of a similar treatment system at NAPL Area B. This report describes activities for NAPL Area B from January through March 2004. Activities during this quarter included the award of the subcontract for Area B remediation, continued development of the design and schedule for transition activities that must be completed prior to the start of subcontractor construction activities, and continued evaluation of permitting that will be necessary for Area B remediation.

## 2.0 Summary of Activities

The Northeast Site NAPL Area B Baseline Characterization Data Report was submitted to FDEP in January 2004. This report documents the sampling and analytical methods used during the baseline characterization event at NAPL Area B in July through September 2003, and reports the results of the investigation. The investigation resulted in some revision to the boundaries of Area B. The original Area B and the revised Area B are shown in Figure 1.

The subcontract for Area B NAPL remediation was awarded to the team of WRS Infrastructure and Environment, Inc., McMillan-McGee Corporation, and PPM Consultants, Inc. in late February 2004. The WRS team submitted a draft conceptual design for remediation in mid-March. A conceptual Design Review Briefing was held at the STAR Center on March 30, 2004, for federal, state, and local regulatory staff involved in the project to provide them an update on the status of project activities. The final conceptual design is scheduled for submittal to FDEP in mid-April 2004 as an addendum to Interim Measures Work Plan (DOE 2001).

Work continued on the planning, design, and procurement related to transition activities necessary to prepare the Northeast Site for Area B NAPL remediation. This work was divided into three phases. Implementation of these activities will occur during the upcoming quarter (April through June).

- Phase I. Bring onto the Northeast Site a new, doublewide field office trailer, equipment sheds, and associated utilities to a new location at the Northeast Site.
- Phase II. Install a small air stripper at the Northeast Site to replace the existing large air stripper.
- Phase III. Abandon monitoring and recovery wells and demolish the air stripper treatment system at the Northeast Site.

The existing Northeast Site air stripper currently treats ground water from both the Northeast Site (eight recovery wells) and the Building 100 Area (two recovery wells). The Northeast Site recovery well system will be shut down in mid-April. Two of the recovery wells will be abandoned, one recovery well will be converted to a monitoring well, and the remaining recovery wells will be retained for use by the subcontractor during remediation activities. Seven monitoring wells in or near Area B will also be abandoned. The existing large air stripper will be replaced with a small skid-mounted air stripper that will treat only ground water from the two Building 100 Area recovery wells. This small air stripper will be located at the Northeast Site. The existing field trailer will be replaced with a larger trailer.

Work concerning the various permitting aspects of the NAPL Area B remediation continued during this quarter. These permits include the modified air permit, field trailer permit, and storm water permit.

### **3.0 Deviations**

There were no deviations from the schedule or the planned work during this quarter.

### **4.0 Problems**

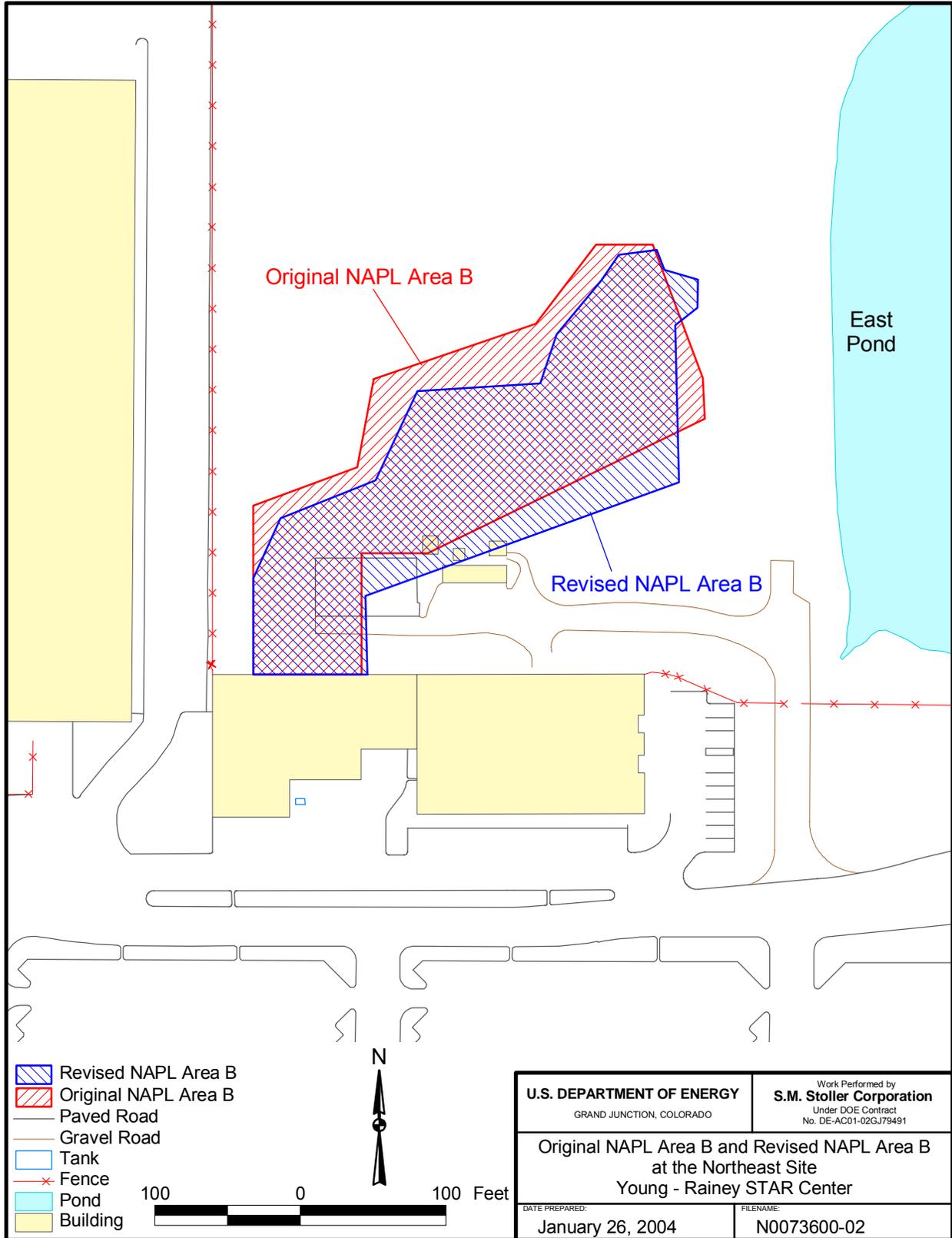
There were no problems encountered during this quarter.

### **5.0 Upcoming Activities**

Evaluation of permitting for Area B remediation will continue. The NAPL Management Plan will be finalized by June. The addendum to the Interim Measures Work Plan (DOE 2001) will be submitted to FDEP in April. Transition activities scheduled for the next quarter include replacement of the field office trailer and relocation of the storage sheds in April, abandonment of the recovery and monitoring wells and associated utilities around Area B in April and May, installation of the new air stripper in April and May, and decommissioning of the current air stripper in May and June. The final conceptual design will be submitted to FDEP in mid-April 2004 as an addendum to the Interim Measures Work Plan. Currently, construction for the Area B remediation system is scheduled to start in early July 2004.

### **6.0 References**

U.S. Department of Energy, 2001. *Interim Measures Work Plan for Remediation of Non-Aqueous Phase Liquids at the Northeast Site*, Document Number N0046200, November.



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Figure 1. Original and Revised NAPL Area B