



June 11, 2012

### RECEIVED

3:04 pm, Jun 13, 2012

Alameda County Environmental Health

## SUBMITTED ELECTRONICALLY

Alameda County Health Care Services Agency **Environmental Health Department Environmental Protection** 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

Re: Submission to Geo Tracker; Fuel Leak Case No. RO0000167 and Geo Tracker Global ID T0600102098; David D. Bohannon Organization Property, 575 Paseo Grande, San Lorenzo, California 94580

To Whom This May Concern:

The David D. Bohannon Organization is the owner of commercial property located at 575 Paseo Grande, San Lorenzo, California 94580 (the "Property"). In accordance with applicable California law, I am submitting the enclosed document or report with respect to the Property for uploading to Geo Tracker.

I declare, under penalty of perjury under the laws of the State of California, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Scott E. Bohannon, Senior Vice President

# WORK PLAN FOR ADDITIONAL GROUNDWATER MONITORING WELL INSTALLATION

## 575 PASEO GRANDE SAN LORENZO, CALIFORNIA

Job No. 007.03814.000

Submitted by SECOR International Incorporated 1390 Willow Pass Road, Suite 360 Concord, California

Prepared For
David D. Bohannon Organization
60 Hillsdale Mall
San Mateo, California

October 22, 1999

Prepared by:

Reviewed by:

Robert Robitaille

Project Geologist

Thomas W. Crosby, C Hg. # 25

Principal Hydrogeologist

# TABLE OF CONTENTS

		PAGE
1.0	INTRODUCTION	1-1
2.0	SCOPE OF WORK	2-1
2.0	2.1 PERMITING	2-1
	2.2 UTILITY CLEARANCE	2-2
	2.3 DRILLING SOIL SAMPLING AND WELL INSTALLATION	2-2
	2.4 WELL DEVELOPMENT, SURVEYING, AND GROUNDWATER SAMPLING	2-3
	2.5 FINAL REPORTING	2-3

# LIST OF FIGURES

FIGURE 1	Site Location Map
FIGURE 2	Proposed Boring Location Map

## 1.0 INTRODUCTION

This work plan describes the procedures to install three additional groundwater monitoring wells at the David D. Bohannon Organization site located at 575 Paseo Grande in San Lorenzo, California (Figure 1). The work plan has been prepared in response to a request from the Alameda County Health Care Services Agency (ACHCSA) in a letter dated September 15, 1999, to install at least one groundwater monitoring well adjacent to the residential properties west of the Site. The purpose of the work is to evaluate possible off-site migration of subsurface impacts originating from the site and to collect data that will be used to direct further subsurface investigations, and/or remediation at the Site, if necessary.

Over the last 25 years, the Site has been used as an asphalt paved parking area located in a commercial area zoned as C1. The Site was a gasoline station prior to 1969. Little information is known about the Site history related to its use as a gasoline service station. In anticipation of property redevelopment, initial investigation activities were conducted in March 1995 to determine if out-of-service gasoline service station underground equipment remained on-site. The work was conducted by Twining Laboratories, Inc. (TLI), as documented in their letter report dated April 15, 1995. The work conducted included a magnetometer survey followed by an exploratory excavation. In summary, the work conducted identified underground gasoline service station equipment which included what appeared to be the former tank pit, approximately 110 feet of fuel delivery system piping, and a grease sump and/or hydraulic lift pit in an area which may have been the former service garage. Field evidence and one soil sample indicated the potential for soil contamination along the piping runs, around the grease sump, and around the inferred location of the former tank pit. Characterization of the magnitude and extent of potential soil contamination was not conducted during initial investigation activities.

In June 1995, SECOR conducted additional activities at the Site which included removal of the former underground storage tank (UST) system piping and the former grease sump, and characterization soil sampling along pipelines and around the former grease sump and former tank pit areas. This work was summarized in SECOR's letter report dated June 29, 1995. The characterization data from this investigation indicated that there were two areas of concern (AOCs) at the Site. These areas were the former grease sump area and the former gasoline distribution system area. SECOR subsequently conducted excavation activities in the vicinity of the two AOCs. The soil excavated from the former sump area was transported off-site for disposal. The soil generated from the UST excavation was treated by means of aeration and transported off-site for disposal. Three groundwater monitor wells (MW-1, MW-2, and MW-3) were installed during the investigation activities to evaluate the degree to which the groundwater had been impacted. The results of the soil characterization and groundwater monitoring activities are reported in SECOR's Report of Interim Remedial Actions dated June 4, 1996, and Fourth Quarter 1996 Monitoring and Sampling Report dated November 26, 1996.

In June 1999, utility trench survey was conducted around the Site, and a passive soil vapor survey was conducted in the downgradient direction from the Site. The results of the utility trench and passive soil vapor surveys are documented in SECOR's Third Quarter 1999 Groundwater Monitoring Results and Plume Definition Report, dated October 21, 1999. The results of the surveys suggested that soil vapor, possibly associated with known on-site impacts, are present in the subsurface to the southwest of the Site. Utility trenches in the area do not appear to be deep enough to influence groundwater flow.

#### 2.0 SCOPE OF WORK

The proposed scope of work includes permitting for the installation of three shallow groundwater monitoring wells, collecting soil samples for laboratory analysis, and surveying the new wells establish groundwater elevation relative to mean sea level. All work will be performed in accordance with the updated site-specific health and safety plan and will comply with the requirements of Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.120. All work will be conducted under the supervision of a California Registered Geologist.

The objectives of the investigation are to:

- Determine whether or not TPHg, BTEX and lead impacts detected at the Site have impacted soil and/or groundwater off-site.
- Collect hydrogeologic data that will help direct further subsurface investigation, and/or remediation at the Site, if necessary.

The subsurface investigation will consist of the following specific work steps:

- Obtain well installation permits from the Alameda County Water District and encroachment permits from the Alameda County Department of Public Works.
- Conduct a utility clearance in the vicinity of the proposed drilling locations.
- Advance 3 soil borings and collect soil samples for laboratory analysis.
- Install a groundwater monitoring well in each of the bore holes.
- Develop the new wells and survey the elevation of the wells.
- Prepare a report detailing the findings of the investigations with recommendations for future work, if necessary.

#### 2.1 PERMITING

Well permit applications will be submitted to, and approval received from, the Alameda County Water Disrtict, Zone 7. Encroachment permit applications will be submitted to, and approval received from, the Alameda County Department of Public Works.

## **FIGURES**



