

THRIFTY OIL CO. 1204

April 30, 2004

O.45891

Mr. Barney Chan
Alameda County Health Care Services Agency
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

ALAMEDA COUNTY
MAY 07 2004
Environmental Health

RE: **Former Thrifty Oil Co. Station #049**
3400 San Pablo Avenue
Oakland, CA 94608
Workplan for Additional Offsite Assessment

Dear Mr. Chan:

Thrifty Oil Co. (Thrifty) is in receipt of the Alameda County Health Care Agency's (ACHCA) letter dated March 19, 2004 (**Appendix A**). In the ACHCA letter, a workplan for additional offsite assessment for contaminant plume delineation was requested for former Thrifty Station #049 located at 3400 San Pablo Avenue, Oakland, California (**Figure 1**). The ACHCA also requested additional onsite assessment to investigate the potential of contamination migrating onsite from an offsite, upgradient source.

In their letter dated March 19, 2004, the ACHCA requested the completion of soil borings and soil and groundwater sampling to determine the potential locations of permanent wells. After reviewing the southwesterly groundwater flow direction determined using groundwater monitoring data collected on January 14, 2004, and the site logistics (parking lanes, traffic flow, etc.), Thrifty has decided to install two offsite wells (MW-8 and MW-9) at the locations shown on **Figure 2**. These wells will be located to provide downgradient monitoring points. To investigate the possibility of hydrocarbon-affected groundwater migrating onsite from the adjacent Shell station located to the north of the site, Thrifty will install onsite well MW-10. The change in work scope was conditionally approved by the ACHCA in the attached e-mail dated April 27, 2004.

The following activities will be associated with this additional on-and offsite assessment:

- Three soil borings (MW-8, MW-9, and MW-10) will be drilled at the offsite and onsite locations shown on **Figure 2**. An encroachment permit will be obtained from the City of Oakland. The boreholes will be drilled using a hollow-stem rig (CME 75) to a depth of approximately 20 feet below ground surface (bgs), with soil samples collected at 5 foot intervals.
- Three, 2-inch diameter groundwater monitoring wells will be installed to a depth of 18 feet bgs within each borehole. Based on a depth to groundwater of approximately 4 feet bgs encountered during the recent assessment, the screen interval will be from approximately 3 to 18 feet bgs.



Workplan for Additional Offsite Assessment

Thrifty #049

April 30, 2004

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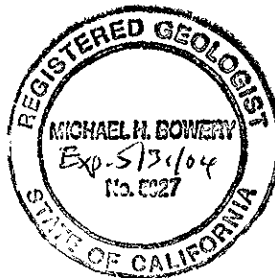
- Upon completion of the groundwater-monitoring well installations, a licensed land surveyor will survey the newly installed monitoring wells at this site to a known benchmark.
- Groundwater samples will be collected from the three newly installed wells and a complete set of gauging results will be obtained to facilitate a groundwater contour map.
- The soil and groundwater samples will be recorded on chain-of-custody forms and sent to a state certified laboratory for analysis. The soil and groundwater samples will be analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M, and benzene, toluene, ethylbenzene, xylenes (BTEX) and selected oxygenates including methyl tert butyl ether (MTBE) by EPA Method 8260B.
- Following the well development, the wells will be monitored and water sampled along with the existing groundwater monitoring wells on-site, in conjunction with the quarterly groundwater-sampling program. The collected groundwater samples will be analyzed for TPHg by EPA Method 8015M, and for BTEX and selected oxygenates (including MTBE) by EPA Method 8260B. Future quarterly groundwater monitoring reports will incorporate water table elevations and analytical data from previously installed new wells MW-21 and from proposed wells MW-22, MW-23, and MW-24. ?
- Upon completion of all field work, a report will be prepared to document the well installation activities, and will include copies of the well installation permit, boring logs, cross-sections, and laboratory analytical results from the collected soil and groundwater samples.

The above-described work will be initiated after approval of this work plan by the ACHCA. Thank you for your continued cooperation in this matter. Should you have any questions, please contact the undersigned at (562) 921-3581.

Respectfully submitted,



Michael H. Bowery, R.G. 5027
Project Manager

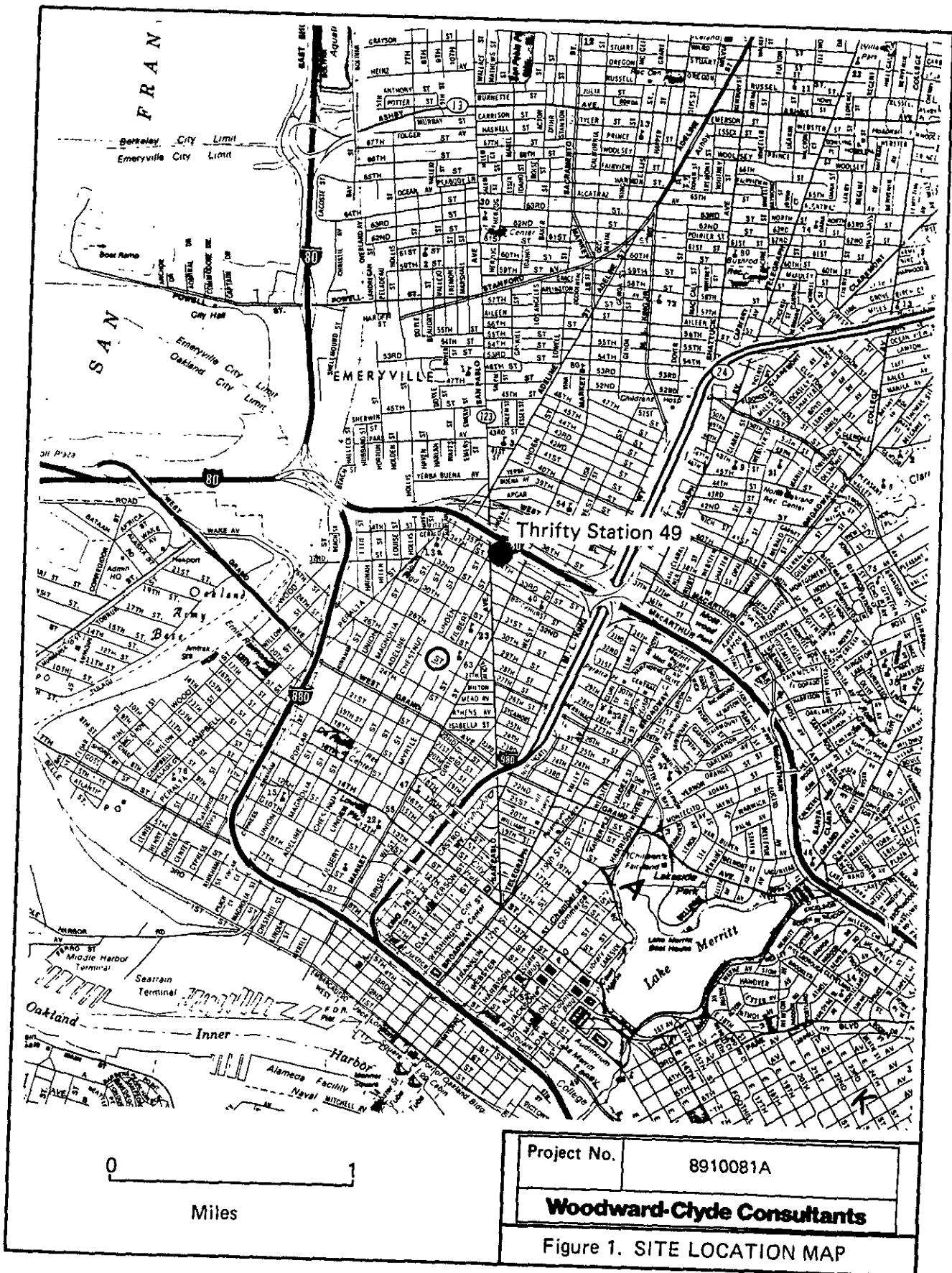


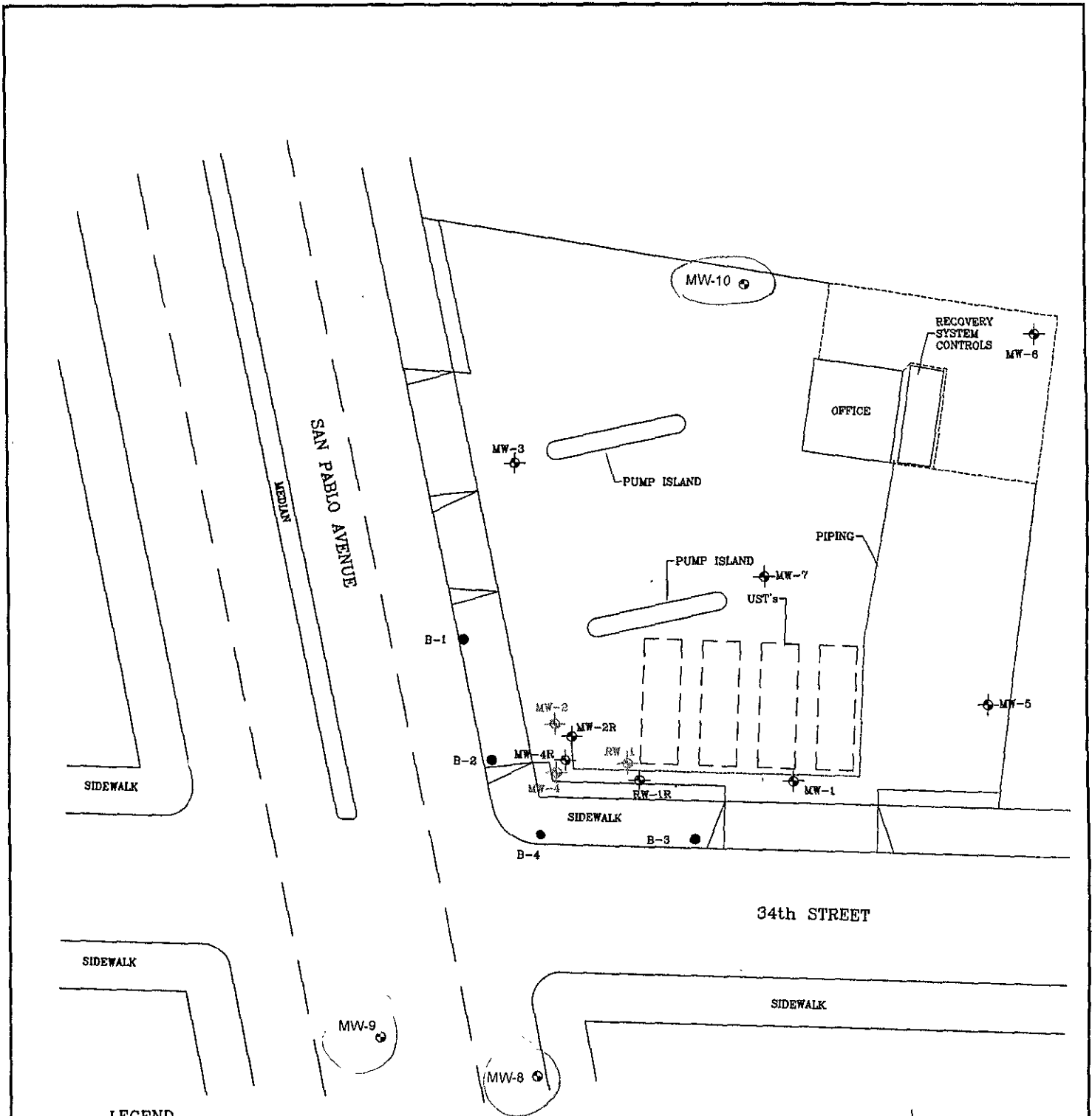


Chris Panaitescu
General Manager
Environmental Affairs

Attachments

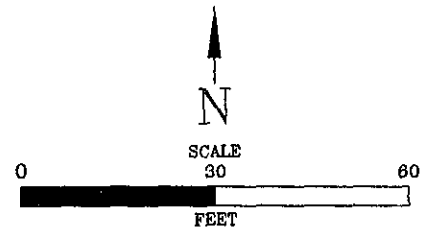
cc: BP West Coast Products, LLP, Attn: Ms. Kateri Luka
File





LEGEND

- RECOVERY SYSTEM PIPING
- MW-4R ◈ RECOVERY WELL LOCATION
- MW-1 ◈ MONITORING WELL LOCATION
- SB-1 ● SOIL BORING LOCATION
- MW-4 ◈ ABANDONED MONITORING WELL LOCATION
- MW-8 ◉ PROPOSED WELL LOCATION



PROPOSED WELL LOCATIONS

Thrifty Oil #49
 3400 San Pablo Avenue
 Oakland, California



Thrifty Oil Co.
 13116 Imperial Highway
 Santa Fe Springs, CA 90670

Michael Bowery

1.45886
RECEIVED

File
MB

APR 30 2004

ENVIRONMENTAL
TOC#049

Received 4/27/04
MB

From: Chan, Barney, Env. Health [barney.chan@acgov.org]
Sent: Tuesday, April 27, 2004 11:55 AM
To: 'Michael Bowery'
Subject: RE: #049

Mr. Bowery: I have no problems with what you are proposing. Please let me know where you will be locating the wells and your rationale prior to their installation. Either fax 510-337-9335 or e mail a site map with your investigation results will suffice.

Sincerely,

Barney Chan

-----Original Message-----

From: Michael Bowery [mailto:Bowery@ThriftyOil.com]
Sent: Tuesday, April 27, 2004 11:49 AM
To: 'barney.chan@acgov.org'
Subject: #049

Dear Mr. Chan: I have called you twice regarding the workplan for offsite assessment requested in your letter dated March 19, 2004. After reviewing the data, my boss, Chris Panaitescu and myself believe that we should go ahead and install wells offsite and not go to the interim step of borings followed by wells later. Please contact me via phone (562 921-2581 x404) or e-mail to discuss. Mike