

Estate of Michael Dolan
Mr. Michael Fitzpatrick, Trustee
3215 Deer Park Dr.
Walnut Creek, CA 94598

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By loprojectop at 11:06 am, May 03, 2006

5/1, 2006

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

Re: Perjury Statement
Dolan Property, 6393 Scarlett Court, Dublin, California; RO-210

Dear Mr Chan,

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



Michael Fitzpatrick, Trustee

c. Peter MacDonald, Esquire
Wanden Treanor, Esquire

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By lopprojectop at 11:06 am, May 03, 2006

Report on Source Soil Excavation and Dewatering

Former Dolan Trust Property
6393 Scarlett Court
Dublin, California
ACDEH Fuel Leak Case No. RO0000210

April 26, 2006
BEI Job No. 202016

Prepared for:

Estate of Michael Dolan
Mr. Michael Fitzpatrick, Trustee
3215 Deer Park Dr.
Walnut Creek, CA 94598

Prepared by:

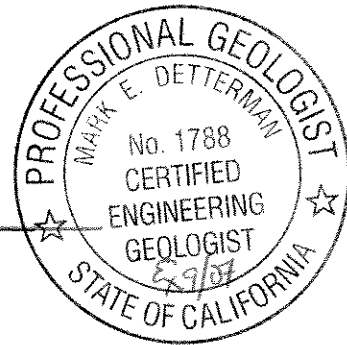
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Limitations

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Blymyer Engineers, Inc.

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1.0 Introduction

1.1 Background

A 600-gallon underground storage tank (UST) was removed in February 1990 from the subject site (Figures 1 and 2). Although the UST had reportedly stored diesel more recently, soil and groundwater samples collected for laboratory analysis indicated that the contaminant of concern at the site was gasoline. Files maintained by the Alameda County Department of Environmental Health (ACDEH) do not contain waste manifests for the disposal of soil, although a *Uniform Hazardous Waste Manifest* is present documenting the disposal of a 600-gallon UST. This suggests that contaminated soil may not have been removed from the site.

In October 1990, five soil bores were installed at the site, and soil and grab groundwater samples were collected. Additional delineation work was conducted in November 1991, when groundwater monitoring wells MW-1 through MW-4 were installed to a depth of 20 feet below grade surface (bgs). Soil and groundwater samples were collected. In November 1992, 14 additional soil bores were installed, and soil and grab groundwater samples were collected from selected bore locations. Although there were several data gaps in the perimeter zone of soil and groundwater delineation, the soil and groundwater plumes were largely defined as a result of this investigation. The groundwater plume did not appear to extend offsite; however, a thin free-phase layer was present immediately adjacent to the former UST basin, and at a location approximately 40 feet to the east. Additional wells were proposed to fill the existing data gaps and to monitor the lateral extent of impacted groundwater and free-phase. As a consequence, in March 1995, wells MW-5 and MW-6 were installed to a depth of 10 feet bgs.

Intermittent groundwater sample collection or groundwater monitoring has occurred at the facility since 1991. In an August 1998 letter, the ACDEH suggested that a health risk analysis or the installation of an oxygen releasing compound (ORC) might be appropriate for the site. Also in the August 1998 letter, the ACDEH stated that groundwater sampling of wells MW-1, MW-3, MW-5,

and MW-6 could be discontinued, stated that the sampling interval could be decreased to a semiannual basis, and requested resumption of groundwater monitoring.

In May 2002, Blymyer Engineers was retained by Mr. Michael Fitzpatrick, on behalf of Mr. Michael Dolan, to conduct semiannual groundwater sampling of wells MW-2 and MW-4, and to conduct a file review to help determine the next appropriate step at the site.

In May 2002, Blymyer Engineers located and rehabilitated the wells at the site. Well MW-5 required the most extensive rehabilitation work, and required resurveying due to a change in well casing elevation (resurveying did not occur until April 13, 2005). In June 2002, wells MW-2 and MW-4 were sampled, while depth to groundwater was measured all of the wells. Groundwater was analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline; benzene, toluene, ethylbenzene, total xylenes (BTEX); and methyl tert-butyl ether (MTBE). Except for a slight increase in benzene in groundwater from well MW-4, the concentration of all analytes in the two wells decreased from the August 1997 sampling event. Based upon a review of the results, the ACDEH recommended that well MW-5 be incorporated into the sampling program and that quarterly groundwater monitoring resume in order that contaminant concentrations and contaminant trends could be quickly generated for the recommended health risk assessment, and that TPH as diesel be added into the analytical program.

Two additional quarters were completed prior to the death of Mr. Dolan. Groundwater monitoring was on hold after January 2003 as the Estate became established. During the groundwater monitoring event in December 2002, analysis for the fuel oxygenates was conducted by EPA Method 8260B. All fuel oxygenates were found to be non-detectable at good limits of detection. Consequently, all sporadic occurrences of MTBE previously detected at the site were attributed to 3-methyl-pentane, another gasoline-related compound. This suggested that the release predates the use of MTBE and other fuel oxygenates as gasoline additives. More recent analysis by EPA Method 8260B has indicated that MTBE is present in groundwater collected from well MW-5 and suggests surface infiltration into this well prior to repair. Additional analytical testing for 1, 2-Dichloroethane (1, 2-DCA) and 1, 2-Dibromoethane (or ethylene dibromide - EDB) indicates that 1, 2-DCA is present in groundwater collected from well MW- 2. All previously available data from the site has

been tabulated on Tables I through VI.

On June 13, 2003, a workplan was submitted to the ACDEH in order to allow further subsurface delineation of impacted soil at the site. In a telephone conversation on June 16, 2003, Mr. Scott Seery mentioned that it was unlikely that he would be able to respond in a timely manner due to the work load at the ACDEH, and noted that if a response was not issued 60 days after receipt, regulations stated that the workplan should be considered approved. Consequently, field work commenced on September 13, 2003. Nine Geoprobe⁷ soil bores were installed at the site to augment existing soil data. The data indicated that the lateral and vertical extent of impacted soil at the site had been adequately delineated to relatively low concentrations, and the limits further refined for the purposes of determining appropriate remedial actions (*Geoprobe⁷ Subsurface Investigation*, dated October 10, 2003).

Based on these data and a lack of further comments by the ACDEH, a *Remedial Action Plan (RAP)*, dated April 6, 2004, was issued. The plan detailed overexcavation and construction dewatering as the principal method of remedial action. Introduction of an ORC paste into the resulting excavation as an additional measure of insurance, should residual contamination be intentionally or unintentionally left in place, was also proposed. The use of a paste rather than a powder was to allow the ORC to remain at the level of placement, rather than to float as ORC powder does. This would allow quicker migration of the resulting released oxygen into all water-bearing zones. Use of ORC was proposed based on general knowledge that biodegradation of petroleum hydrocarbons is generally an oxygen limited process. A Request for Proposal (RFP) was generated in early May 2004 for contractor bidding purposes; however, it was not released due to a change in the timeline for sale closure. On September 2, 2004, Blymyer Engineers contacted Mr. Seery in order to determine the status of the RAP review. At that time, Mr. Seery notified Blymyer Engineers that Mr. Robert Schultz was the new case manager for the site. Mr. Schultz required time to review and become familiar with the file. On November 15, 2004, the ACDEH issued a 5 page response letter (*Fuel Leak Case No. RO0000210*) requesting extensive further work and containing several deadlines. The letter requested the following:

- Additional site investigation including verification of the vertical extent of soil contamination, and collection of depth-discrete groundwater samples in order to verify the vertical extent of groundwater contamination,
- A feasibility study and evaluation of three remedial alternatives including verification that oxygen enhancement of the subsurface is appropriate, and an evaluation that intrinsic bioremediation is an active process beneath the site,
- An evaluation of the site under the State Water Resources Control Board's Low-Risk Case Closure scenario, and should it not be feasible to achieve water quality goals during remedial actions, an evaluation of the likely time period for site groundwater to meet Basin Plan water quality objectives,
- A detailed soil reuse plan based on the October 24, 2001, San Francisco Bay Regional Water Quality Control Board (RWQCB) guidance for reuse of hydrocarbon-impacted soil at a site,
- An evaluation of bioparameters in groundwater to assist in evaluating biodegradation as a component of natural attenuation at the site, and to further substantiate the use of ORC at the site; requested bioparameters included dissolved oxygen (DO), the oxygen reduction potential (ORP), methane, nitrate, sulfate, and dissolved ferrous iron,
- Clarification of the application technique of ORC at the site in order to ensure that the diffusion of oxygen would target all impacted water-bearing zones,
- A conduit study be conducted,
- Additional data presentation including a series of maps showing location of sources, extent of soil and groundwater contamination at appropriate depth intervals, a rose diagram of historical groundwater gradients, and locations of receptors; several geologic cross-sections, including conduits, the vertical and lateral extent of impacted soil and groundwater; copies of all bore and well logs; a table of well construction details; and a list of identified data gaps, and
- A return to quarterly groundwater monitoring with analysis for TPH as gasoline, BTEX, MTBE, other fuel oxygenates, and the fuel scavengers EDB and 1, 2-DCA.

A December 31, 2004 deadline was established for a workplan for additional site characterization. A *Workplan for Additional Investigation and Letter Report*, dated December 23, 2004, was submitted to the ACDEH on January 3, 2005. In a letter dated January 24, 2005, the ACDEH approved the workplan provided four conditions were met:

- A pilot hole was to be used to identify lithology prior to collection of a groundwater sample from a deeper water-bearing zone,
- Should additional groundwater wells be required, the ACDEH would be consulted regarding well construction details, consistent with dynamic investigation procedures,
- Should additional soil or groundwater samples be required, the ACDEH would be kept informed of planned changes, and
- A 72-hour written advanced warning would be provided.

After notifying ACDEH, Blymyer Engineers mobilized to the site on February 18, 2005, to install two to three dual-tube direct-push soil bores in an attempt to collect the approved soil and groundwater samples. As a precursor to the mobilization, a conduit survey was conducted. Due to poor soil recovery in these bores, an additional mobilization to the site was required. After notifying, and obtaining approval from, the ACDEH 72 hours in advance, a Cone Penetrometer Test (CPT) direct-push rig was mobilized to the site on March 28, 2005. Prior to the March 28, 2005 mobilization, the ACDEH approved a reduction in the quarterly analytical program, based on historical analytical trends. Specifically, hydrocarbon analysis of groundwater samples from wells MW-1, MW-3, and MW-6 was eliminated.

On April 13, 2005, CCS Environmental resurveyed all wells at the site. As of April 30, 2005, all tenant operations at the site ceased. This included the batch plant used by Dublin Concrete.

On May 10, 2005, Blymyer Engineers submitted the *Additional Site Investigation Data Transmittal* to the ACDEH providing a brief summary of the results of the CPT bore installations. Based on the

detection of hydrocarbon compounds in groundwater between 30 and 40 feet bgs, the letter proposed the installation of groundwater well MW-7 across a deeper water-bearing zone in a downgradient position. Shortly thereafter, the ACDEH reported that Mr. Schultz had left the employ of the agency and that the case had not been assigned to a new case worker yet. The ACDEH was apprised that due to the sale of the parcel, work would proceed, pending agency review.

As a part of another related project, Blymyer Engineers oversaw the permitted destruction of two old water production wells between May 16 and May 24, 2005. According to the Alameda County Flood Control and Water Conservation District, Zone 7 (Zone 7), both wells appear to have dated from the 1940s or 1950s. Well “3S/1E 6F 1”, located on the subject parcel, was constructed of 8-inch-diameter steel casing and was 95 feet in total depth. Well “3S/1E 6F 2” was located on the adjacent parcel, also owned by Dolan Properties, and was constructed of 13-inch-diameter riveted steel casing and was 38 feet in total depth. All Zone 7 permit conditions were observed; however, the upper 6 to 7.5 feet of each well casing was removed by excavation seven days after it had been filled to the surface with cement grout. An approximately 6- to 12-inch-thick concrete mushroom cap was placed over and around the remaining casing at depths of 6 and 7.5 feet bgs, respectively (where the casing broke during removal). The excavation was backfilled with native soil, and track rolled. The future owner was advised of these activities and it was recommended that a surveyor be retained to survey these locations for future relocation of the excavations, as appropriate.

On July 5 and July 8, 2005, Blymyer Engineers oversaw the installation of downgradient groundwater monitoring well MW-7 (Figure 2). The well was installed into the second water-bearing zone beneath the site due to the detection of hydrocarbon contamination in groundwater in both CPT bores at depths of approximately 30 to 40 feet bgs. A conductor casing was installed to a depth of 30 feet in order to exclude upper water-bearing zones, and to prevent cross-contamination of deeper water-bearing zones. A 2-inch-diameter PVC casing was installed through the conductor casing and the well was screened between 30 and 40 feet bgs.

On October 7, 2005, Blymyer Engineers issued the *Remedial Investigation / Feasibility Study* report documenting all field work conducted since January 2005, and the results of a feasibility study. The report evaluated three remedial alternatives, including monitored natural attenuation, dual-phase extraction, and source soil excavation and dewatering. It was found that, under monitored natural attenuation, benzene would require approximately 33 years to reach the Maximum Contaminant Level (MCL) and that the remedial cost was the highest of the three options. Remedial costs were the second highest under the dual-phase extraction scenario, and would be more intrusive with respect to the future owner's land use. Remedial costs were lowest, and the site presence was least intrusive in the longer term under the remedial overexcavation and dewatering scenario. This scenario additionally proposed the introduction of oxygen releasing compound (ORC) into the remedial excavation to stimulate biodegradation of the residual hydrocarbon contamination by indigenous microbes, previously shown to be oxygen-limited at the site. The scenario additionally proposed treatment of soil and groundwater outside the plume core with ORC injected through Geoprobe⁷ bores on an approximately 10-foot spacing interval. Principally because remedial costs were lowest, remedial excavation was selected as the most appropriate remedial technology for the site. On October 26, 2005, Blymyer Engineers issued the *Corrective Action Plan For Source Soil Excavation and Dewatering*. On November 2, 2005, the ACDEH issued the letter *Fuel Leak Case No. RO0000210* that concurred with the recommended remedial plan, but contained six technical comments for clarification. These comments included:

- A request for confirmation that any soils reuse would be limited to the upper 5 feet below grade.
- A request that the collection of post-excavation confirmation soil samples would correspond to known soil and groundwater contamination, using the iso-concentration soil and groundwater maps as a guide.
- A request that the ORC be applied to the entire excavation area, rather than just the upgradient edge.
- A request for calculations showing the addition of the nitrogen – phosphorous – potassium (NPK) bio-nutrient package would not impact groundwater above the MCLs for these elements, and the incorporation of these compounds into the groundwater analytical suite in the future.

- A request for the installation of a second 4-inch-diameter well inside the excavation zone in order to monitor contaminant concentrations at the location of well MW-2, which prior to destruction by excavation, contained the highest groundwater contaminant concentrations.
- An observation that post-remediation sampling and plume delineation would be required prior to site closure.

On November 9, 2005, Blymyer Engineers issued the *Response to November 2, 2005 Letter*, that addressed the technical comments contained in the ACDEH letter. The letter indicated that:

- Soil reuse was not planned due to high perched groundwater as shallow as 3 feet bgs,
- Provided documentation (Figure 2 of that letter) of the approximate planned bottom sample soil collection locations based on the iso-concentration figures,
- Stated that ORC would be applied throughout the excavation as requested,
- Attached NPK bio-nutrient calculations for the site,
- Stated that a second excavation backfill well would be installed as requested, and
- Stated that a post-remediation quarterly groundwater sampling program was planned for a minimum period of one year.

1.2 Recent Groundwater Monitoring

Groundwater monitoring has occurred intermittently at the site; however, recent groundwater monitoring has been conducted on a quarterly basis. The most recent quarterly groundwater monitoring event was conducted on September 6, 2005. The fourth quarterly groundwater monitoring event of 2005 was postponed due inclement weather, the presence of ponded water above the area of excavation, the destruction of well MW-2, the temporary loss of well MW-4, and the pending installation of two additional monitoring wells (MW-8 and MW-9). The following conclusions and recommendations are modified from the *Third Quarter 2005 Groundwater Monitoring Event* report, dated November 23, 2005:

- Hydrocarbon analysis of groundwater samples from perimeter wells MW-1, MW-3, and MW-6 was not conducted event due to the lack of detectable results during the December 2004

quarterly event. This is consistent with over 11 to 13 years of analytical results.

- Except for the detection of MTBE at a concentration of 32 micrograms per liter (Wg/L) in well MW-5, this well again yielded nondetectable concentrations of petroleum hydrocarbons, consistent with the majority of historic groundwater analytical results from this perimeter well.
- Plume core well MW-2 yielded concentrations of all analytes at significantly higher concentrations in comparison to the previous groundwater sampling event conducted in June 2005. The June concentrations were historic lows for all analytes. This may be the result of the sampling methodology.
- Fuel oxygenates 1, 2-DCA (well MW-2) and MTBE (well MW-5) were not confirmed by EPA Method 8260B; however, they are presumed to be present in these wells.
- In a cost savings measure, RNA chemical parameters were not investigated. Previously DO, ORP, carbon dioxide, nitrate, ferrous iron, sulfate, and methane have been analyzed to help determine the level of biological degradation of the petroleum hydrocarbons at the site. Based on the data, microbial use of petroleum hydrocarbons as a food source appears to be principally affected by the concentration of DO in the groundwater; it is the preferred electron acceptor for the biodegradation of hydrocarbons. Because each of the other electron acceptors, in the listed order, is preferred less by microbes to degrade hydrocarbons, and because each parameter was apparently fully utilized by microbes beneath the site, it appears that biological degradation of hydrocarbons is occurring in groundwater beneath the investigation area, and that the process is oxygen-limited. This was the conclusion generated from data collected during each of the three quarters in which RNA was monitored (December 2004, March 2005, and June 2005 events).
- Based on previous data, groundwater beneath the site appears to be naturally low in nitrate.
- Groundwater flow again appears to be towards the south-southeast and the average groundwater gradient was calculated at 0.013 feet/foot.

The following recommendations were generated from the available data discussed above:

\$ The next quarterly groundwater sampling event is scheduled to occur in December 2005; however, remedial activities should be completed prior to sampling in order to capture any initial changes resulting from the activities.

\$ The site should be incorporated into the state GeoTracker program now that site wells have been resurveyed.

\$ Collection of RNA indicator data should be resumed on a semi-annual basis beginning with the December 2005 groundwater monitoring event in order to capture any initial changes resulting from the remedial activities. The collection of additional data will help in the understanding of post-remedial biodegradation beneath the site.

1.3 Proposed Scope of Work

The following proposed scope of work was contained in the approved Corrective Action Plan:

- Undertake project planning and excavation design
- Update the Health and Safety Plan (HASP)
- Obtain any required plans and permits
- Locate utilities
- Dewater excavation prior to initiation of excavation
- Excavate and stockpile soil
- Collect authoritative excavation bottom confirmation soil samples
- Characterize waste soil using appropriate analytical methods
- Characterize and dispose of extracted groundwater
- Load, transport, and dispose of petroleum-impacted soil
- Backfill and compact excavation
- Apply ORC and bio-nutrients to excavation
- Install two 4-inch-diameter monitoring wells
- Install ORC injection bores
- Generate a summary report

2.0 Environmental Setting

2.1 Regional Geology and Hydrogeology

The site is located in the greater San Francisco Bay Area, just east of the informally designated East Bay Hills, in the greater Livermore Valley. It lies at the approximate confluence of the San Ramon and Amador Valleys of the Tri-Valley area. It sits on a gently southward sloping plain at the southern end of the Dougherty Hills at an approximate elevation of 328 feet, National Geodetic Vertical Datum.

The San Francisco Bay Area is a region dominated by northwest trending topography, enclosed in the Coast Range Province of California. The topography of the region reflects activity of a major fault system that includes the San Andreas Fault Zone on the west side of San Francisco Bay, the Hayward Fault at the western base of the East Bay Hills, the Calaveras Fault at the eastern base of the East Bay Hills, and additional active faults further to the east. The Hayward and Calaveras faults essentially define the topographic expression of the East Bay Hills. Rock types in the region range from Jurassic age sedimentary, metamorphic, and plutonic basement to Quaternary alluvium (Norris and Webb, *Geology of California*, 1990). The property is underlain by Quaternary alluvium as mapped by Thomas Dibblee, Jr. (*Preliminary Geologic Map of the Dublin Quadrangle, Alameda and Contra Costa Counties, California*, 1980, U.S.G.S. Open File Report 80-537). E.J. Helley and R.W. Graymer (*Quaternary Geology of Alameda County, and Parts of Contra Costa, Santa Clara, San Mateo, San Francisco, Stanislaus, and San Joaquin Counties, California: A Digital Database*, 1997, U.S.G.S. Open File Report 97-97) further identified the underlying sediments as Holocene Basin Deposits consisting of very fine silty clay to clay deposits that occupy flat-floored basins at the distal edge of alluvial fans.

The regional groundwater flow direction would predominantly be expected to follow surface topography, and should thus be anticipated to generally flow towards the south. Undocumented, local buried alluvial channels may influence groundwater to flow in a slightly more western

or eastern flow direction.

2.2 Climate

The Tri-Valley region exhibits a Mediterranean-type climate with cool, wet winters and warmer, dry summers. Average annual precipitation in nearby Livermore is 14.42 inches. The average monthly rainfall is 2.93 inches in January and 0.05 inches in August. Average maximum temperatures are 56.6 degrees Fahrenheit (VF) in January and 89.4VF in July; and average minimum temperatures are 36.3VF in January and 54.1VF in July (Western Regional Climate Center; April 1930 to March 2003; www.wrcc.dri.edu).

3.0 Corrective Actions

3.1 Remedial Excavation

3.1.1 Preparation for Excavation

Competitive bids for the remedial excavation work were solicited from four local contractors. Three contractors submitted bids and Marcor Remediation, Inc. (Marcor) was selected and notified of the award of the remedial contract by the Dolan Trust on October 28, 2005. Contracting documents were initiated on November 3, and were finalized on or about November 7, 2005.

After receiving the notification of award of the contract, Marcor began obtaining appropriate permits from the City of Dublin (Excavation Permit) and the Dublin - San Ramon Services District (DSRSD; Discharge Permit; copies of these permits are enclosed in Appendix A), verifying required erosion control measures with the City of Dublin (implementation of a Best Management Plan), and notification of the Bay Area Air Quality Management District (BAAQMD) of excavation activities. Additionally, a soils engineer was retained by Marcor to provide engineering safety calculations for the Slide-Rail Shoring System proposed by Marcor to retain excavation sidewalls. The Slide-Rail System was proposed as a less expensive shoring system than conventional sheet piles. A copy of the engineering calculations is also enclosed in Appendix A.

In preparation for the remedial excavation, Blaine Tech mobilized to the site on November 1, 2005, to remove the above grade monument completion of well MW-7 and install a standard well box at surface grade. A copy of the *Repair Data Sheet* is attached as Appendix B.

The ACDEH was provided notification of the initiation of remedial activities on November 18, 2005. Marcor constructed berms for the soil stockpile area and a drainage sump for collection of excess water from the excavated soil. Additionally, to initiate dewatering prior to excavation, Marcor installed a 15-foot-deep excavation dewatering pit on November 22, 2005. The pit was located within the area of excavation, near MW-2. A temporary 10-inch diameter PVC pipe and 2-inch drain

rock and filter fabric were installed in the dewatering pit to create a collection point. All materials were subsequently removed during the excavation phase of the work. The dewatering pit unexpectedly encountered limited groundwater. It has since been surmised that the addition of surficial “cultural water” from multiple generations of concrete batch plant operations created the saturated surface soil conditions previously observed at an approximate depth of 3 feet bgs during multiple site investigations. On November 23, 2005, one 20,000-gallon aboveground storage tank (AST), bag filters for removal of suspended fines from extracted groundwater prior to carbon treatment, and two 2,000-pound carbon filters for contaminant reduction were delivered to the site in preparation for water treatment prior discharge to the sanitary sewer. On November 28, 2005, the slide-rail retaining system components were delivered to the site.

Blymyer Engineers submitted three *Drilling Permit Applications* to Zone 7 to obtain one well destruction permit for MW-2, a well construction permit to allow installation of wells MW-8 and MW-9, and one permit to allow installation of ORC injection borings. Zone 7 issued permit number 25202 for well destruction, permit number 25203 for well construction, and permit number 25204 for the ORC injection soil bores. Copies of the approved permits from Zone 7 are included in Appendix C.

3.1.2 Remedial Excavation

On November 28, 2005, Marcor mobilized to the site to begin installation of the Slide-Rail Shoring System. The slide-rail system uses grooved rails (or “pins”) similar in size to construction “I-beams” that are placed at excavation corners, or at maximum spans, and are hammered into place. A sliding metal plate is inserted between two rails and slides down each rail groove as soil is excavated; thus the system is installed concurrently with soil excavation.

In preparation for slide-rail placement, the upper 4 feet of soil in the excavation area was excavated in order to provide a back wall to help retain the initial installation of the sliding metal walls. At that time it was discovered that the surficial layer of impacted granular soil was more extensive than

initially indicated during site investigations. It is surmised that the “cultural water” from the concrete batch plants provided the driving force for the lateral migration of contamination in the surficial granular (medium-grained sand and silt) soils, overlaying the clayey soil encountered at an approximate depth of 4 feet bgs. Based on the extent of visually impacted soil in the surficial layer, the area of excavation in the upper four feet of soil was extended approximately 5 feet to the east. The area of the planned deep excavation was also adjusted approximately 5 feet to the east due to the presence of non-granular clay soil that formed the western wall of the preliminary excavation and was visually non-impacted.

Beginning on November 29, 2005, Marcor began setting the slide-rail system. Marcor started in the southwest quadrant of the area of excavation. The southwest quadrant was excavated to approximately 20 feet bgs by December 1, 2005. Inclement weather and crew unfamiliarity with the slide-rail system slowed the excavation process. Groundwater was encountered at a depth of approximately 15 feet bgs, and rose without dewatering efforts. A bottom confirmation sample (SWB-20) was collected on December 2, 2005. Excavation of the northwest quadrant of the excavation area was conducted on December 2 and 5, 2006. The excavation of the southeast and northeast quadrants was conducted on December 6, 7, and 8, 2005. Well MW-2 was destroyed at this time, as was the temporary dewatering pit. Bottom confirmation samples for the northwest (NWB-20), southeast (SEB-20), and northeast (NEB-20) quadrants were subsequently collected through groundwater on December 8, 2005.

The depth of the excavation ranged between 20 and 21 feet bgs. The extra depth was generally required beneath the former location of the UST. The most heavily impacted soil was located at the approximate depths of 17 to 18 feet bgs. Sheen and limited free-phase hydrocarbons were observed on groundwater as material at this depth was excavated. Sheen and free-phase on groundwater were controlled by absorbent pads and booms. During the excavation of the last two quadrants of the excavation, dewatering could not keep pace with infiltration due to continued clogging of the bag filters.

Because the excavation encountered predominately stiff clay-rich soil in the southwest and northwest quadrants of the excavation, Marcor elected to conduct the excavation of the other quadrants initially without the Slide-Rail system. As soil types changed with depth across the full excavation width, the sidewalls eventually began to collapse, and the retaining system was re-employed to limit further problems. All edges of the excavation were eventually enlarged approximately 5 feet due to sloughing, producing an excavation with the approximate dimensions of 50 by 50 feet. Upon removal, this soil was visually impacted, but at lower levels, and removal was judged to be beneficial to the remedial effort.

3.1.3 Excavation Bottom Confirmation Sampling

As requested in the November 2, 2005 ACDEH letter, bottom confirmation samples were collected based on known areas of elevated soil contamination. These authoritative sampling locations corresponded closely to the areas selected in the November 9, 2005 letter entitled *Response to November 2, 2005 Letter*. The approximate locations are identified on Figure 2.

All soil samples were collected from sampling locations with the assistance of the excavator. Soil samples were collected from the bucket of the excavator by scraping away approximately 3 inches of soil and hand-driving a clean, hollow 2-by-6-inch brass tube into the soil. The ends of the brass tube were covered with Teflon⁷ sheets and sealed with plastic end caps and adhesiveless silicone tape. The soil samples were labeled, placed in a pre-chilled cooler with ice, and transported to a California Department of Health Services-certified laboratory, McCampbell Analytical, Inc (McCampbell) of Pacheco, California, with proper chain-of-custody documentation.

3.1.4 Stockpile Staging and Sampling Procedures

Water-laden excavated soil was stockpiled to the immediate northeast of the excavation in a bermed area that was underlain with a double lining of plastic. Less water-laden but impacted soil was stockpiled further to the northeast of the excavation in plastic lined, bermed staging areas

prior to disposal. The stockpiles were covered at the end of each working period to minimize dust and odor that might emanate from the stockpile, and to minimize the infiltration of rainwater into the stockpile.

The soil stockpile was field screened to test gross VOC content in soils using a Photo-Ionization Detector (PID) prior to characterization sampling activities and the areas with higher PID readings in each stockpile were selected for sampling. In order to capture representative contaminant concentrations, approximately 6 to 12 inches of soil were removed from a selected location, and a clean, hollow 2-by-6-inch steel or brass tube was pushed into the soil stockpile. The ends of the brass tubes were covered with Teflon⁷ sheets and sealed with plastic end caps and adhesiveless silicone tape. The soil samples were labeled, placed in a pre-chilled cooler with ice, and transported to McCampbell, with proper chain-of-custody documentation.

Soil characterization observed general industry protocols, but was dictated by landfill requirements. An initial attempt to obtain acceptance at a Class III landfill dictated a sampling interval of one 4-point composite for every 100 cubic yards of soil; however, acceptable concentrations were exceeded, necessitating alternate landfill disposal options. Ultimately landfill requirements required a soil sampling interval of one 4-point composite for every 250 to 500 cubic yards of soil. Ten 4-point soil stockpile samples were ultimately collected for characterization disposal purposes due to the changing sampling interval requirements.

3.1.5 Management of Extracted Groundwater

Approximately 23,000 gallons of groundwater were pumped from the excavation during remedial activities. The groundwater dewatering system was plumbed through a bag filter to remove suspended fines, and then through two 2,000-pound carbon filters for removal of contaminants prior to temporary storage in a 20,000-gallon AST prior to discharge to sanitary sewer. On December 2, 2005, one effluent sample was collected under the observation of DSRSD personnel. Additional effluent samples were scheduled; however, due to the suspended fines load in excavation water, the

groundwater removal rate decreased significantly later in the excavation process, and further sampling was ultimately not required. Upon receipt and review of the analytical results, the DSRSD approved a metered-rate batch discharge.

3.1.6 Soil and Extracted Groundwater Sample Analytical Methods

All soil and groundwater treatment effluent samples were submitted to McCampbell. Soil samples were generally analyzed on a standard 5-day turnaround time; however, the initial two 4-point stockpile samples were submitted on a 3-day turnaround in order to begin soil profiling. The effluent groundwater sample was analyzed on a 24-hour turnaround in order that a batch discharge could be approved by the DSRSD. Stockpile soil samples and bottom confirmation samples were submitted for analysis of TPH as gasoline and TPH as diesel using modified EPA Method 8015; for BTEX and MTBE by EPA Method 8021B; and total lead by Standard Method SW 6010. Fuel oxygenates, lead scavengers, and ethanol and methanol by EPA Method 8260B were additionally analyzed for in the bottom confirmation samples. Extracted and treated groundwater was submitted for TPH as gas and TPH as diesel using modified EPA Method 8015; for BTEX and MTBE by EPA Method 8021B; and the 17 California metals (CAM 17) by Standard Method E200.8.

3.1.7 Excavation Backfilling and Application of ORC into Excavation

The remedial excavation was backfilled using ½- by ¾-inch crushed rock to approximately 4.5 feet bgs. An effort to work and settle the crushed rock was conducted due to a higher potential for settlement related to the heavy traffic load on the adjacent freeway and city streets. The rock backfill was augmented with 1,100 pounds of ORC (forty-four 25-pound buckets) in a slurry form with 6 pounds of NPK bio-nutrients. Mirafi 500, a geotextile fabric, was placed on top of the rock to prevent infiltration of fines from overlaying materials into the crushed rock. Recycled Class II Aggregate Base (AB) rock from onsite sources was placed and compacted to a minimum density of 95%, to the approximate subgrade elevation. A compaction test was conducted on the recycled

Class II AB material in order to provide field density testing. A copy of the compaction test and the field density test results are enclosed as Appendix D.

An initial application of ORC was applied to the bottom of each quadrant of the excavation using an approximately 63% solids slurry in order for the slurry to settle and remain at the bottom of the excavation. Other early applications of ORC were applied to the crushed rock as it was introduced to the excavation and to excavation groundwater as an approximately 50% solids slurry. This extended the coverage and the coating of the crushed rock than allowed by the 63% solids slurry. As the level of the crushed rock rose above groundwater, an approximately 33% solids slurry was applied to the crushed rock in order to further extend the coverage and coating ability of the ORC. Treated groundwater was used as the water source for the slurry after the laboratory analytical results were available.

An NPK bio-nutrient mixture was applied with each application of ORC slurry. Approximately 6 pounds of NPK bio-nutrients were applied to the excavation as a whole, in general conformance with the bio-nutrient calculation estimate provided in the *Response to November 2, 2005 Letter*, dated November 8, 2005 (the remaining portion was mixed and applied with the ORC injection bores, discussed below). The calculation was done in conformance with the April 2003 *Pollution Engineering* article entitled *Bionutrient Modeling for Design of In situ Bioremediation*, contained in the *Corrective Action Plan for Source Soil Dewatering and Excavation* (dated October 26, 2005).

3.1.8 Excavation Monitoring Well Installation

On December 8, and 12, 2005, concurrent with excavation backfilling operations, Marcor installed excavation groundwater monitoring wells MW-8 and MW-9, under the direction of Blymyer Engineers. The wells were installed under Zone 7 permit number 25203. The wells are 20-foot in depth and are constructed of 4-inch diameter PVC casing, with 15 feet of 0.020-inch slot screen, set in the crushed rock excavation backfill. A 10-inch outer casing was used to encase the upper 5 feet of the well to help provide a surface seal as required by the state. The lower approximately 2-foot

section of that seal was constructed of hydrated bentonite clay, the center 1.5-foot section was cement grout, and the upper approximately 1.5-foot section was concrete grout surrounding a surface completed well box. The well box encloses the 10-inch diameter casing. Well construction details are shown on the bore logs, included in Appendix E.

3.1.9 Monitoring Well Surveying

On February 7, 2006, CSS Environmental Services, Inc. (CSS Environmental) was present to survey the horizontal position and elevation of the casing of wells MW-7, MW-8, and MW-9, in conformance with GeoTracker survey requirements. A copy of the survey report is enclosed as Appendix F.

3.1.10 Monitoring Well Development Procedures

On February 27, 2006, Blaine Tech Services, Inc. (Blaine) mobilized to the site to develop wells MW-8 and MW-9. Per standard protocol, each well was developed until either the groundwater appeared to be clear of sediment, or until a maximum of 10 well volumes of groundwater had been removed. The monitoring wells were developed in conformance with Blaine's SOPs, a copy of which is included in Appendix G. A copy of the Development Field Forms is included in Appendix H.

After waiting a minimum of 72 hours after well development to allow the aquifer to recover from development, the wells were sampled. Blaine mobilized to the site on March 2, 2006. The details of this sampling will be reported under separate cover.

All development and purge water was placed in DOT-approved, 55-gallon, closed-top drums, which were labeled and left on-site for future off-site disposal.

3.2 Installation of ORC Injection Bores

On December 21 and 22, 2005, 26 ORC injection borings were installed at the site, as depicted on Figure 3. The injection of the ORC slurry was performed to address residual soil and groundwater contamination outside the area of the remedial excavation. The approximately 10-foot spacing interval was recommended by REGENISIS, manufacturer of ORC powder. This required an increase in the number of injection bores from 10, as included in the *Corrective Action Plan*, to 26. The bores were installed using a Geoprobe⁷ 6600 rig with a 1.75-inch diameter hydraulic probe. The probe, with an expendable tip, was pushed to approximately 21 feet bgs, and upon retraction of the probe, an approximately 30% solids ORC slurry was injected with a GS 2000 pump (capable of generating 2000 psi of injection pressure) from total depth to approximately 3 feet bgs. The remainder of the NPK bio-nutrient mixture was introduced to the ORC slurry prior to injection. A total of 1,500 pounds of ORC was injected into the boreholes (sixty 25-pound buckets) and included a total of 6 pounds of NPK bio-nutrients. The remainder of the borehole was backfilled with cement grout.

3.3 Disposal of Impacted Soil and Groundwater

Stockpiled soil profile data was transmitted to the landfills for acceptance and the soil was ultimately accepted as Class II material by the Keller Canyon Landfill in Pittsburg, California. Between December 29, 2005, and January 4, 2006, 2,370 cubic yards (3,054.65 tons) of soil were loaded into dump trucks and transported to the landfill for disposal by a subcontractor to Marcor. Efforts to control dust were not required. Loaded trucks moved to a truck decontamination station, where soil was removed from fenders and tires and the bed was covered. Dump truck trays were generally lined with plastic to expedite dumping and cleaning operations. A signed waste manifest accompanied the soil to the landfill. A copy of the project summary sheet generated by the landfill is enclosed as Appendix I.

Eleven 55-gallon drums of soil cuttings and drilling mud from the installation of well MW-7 were

emptied on to the soil stockpiles during remedial activities. The contents were transported to the landfill under a signed waste manifest.

Five 55-gallon drums of well development and sampling purge water remained onsite during the remedial actions. The water was generated from the development of well MW-7, and the sampling of groundwater from several quarterly monitoring events. During the remedial activities, this water was pumped from the 55-gallon drums and run through the carbon treatment system into the AST and discharged to the sanitary sewer under the DSRSD discharge permit.

Four 55-gallon drums previously located on the eastern (lumber yard) parcel were also present in the vicinity of the remedial excavation at the end of the remedial activities. The liquid contents appeared to be predominately of water and oil content; however, the specific components or generating sources were unknown. As a consequence, NRC Environmental Services, Inc (NRC) categorized the contents for hazardous content on December 19, 2005. NRC categorized the contents as “petroleum oil and water”, containing no oxidizers, no ketones, and no chlorinated content. The contents of two of the four drums were combined and NRC transported the three drums to the Crosby & Overton facility in Long Beach for disposal. A copy of the hazardous categorization field sheets and the signed *Uniform Hazardous Waste Manifest* form documenting removal and disposal are attached as Appendix J.

4.0 Data Interpretation

4.1 Discussion of Soil and Effluent Sample Analytical Results

Four authoritative confirmation bottom samples (SWB-20, NWB-20, SEB-20, and NEB-20) were collected from the excavation. All samples returned non-detectable concentrations of TPH as gasoline, TPH as diesel, and BTEX; non-detectable concentrations of the fuel oxygenates MTBE, TAME, TBA, DIPE, and ETBE; non-detectable concentrations of the lead scavengers, EDB and 1,2-DCA; and non-detectable concentrations of ethanol and methanol, all at good limits of detection. Total lead concentrations ranged between 7.5 and 8.9 mg/kg, and are typical background soil concentrations. The results are tabulated in Tables VII and VIII.

Ten 4-point soil stockpile samples (SP-1 through SP10) were collected for stockpile characterization purposes. TPH as gasoline concentrations ranged between 25 and 140 mg/kg, TPH as diesel concentrations ranged between 8.0 and 42 mg/kg, benzene concentrations ranged between non-detectable and 0.18 mg/kg, toluene ranged between 0.077 and 0.65 mg/kg, ethylbenzene ranged between 0.2 and 1.6 mg/kg, and total xylenes ranged between 0.44 and 5.9 mg/kg. MTBE was not detected at good limits of detection. Total lead was present in the composited stockpile samples between 8.0 and 14 mg/kg. The results are tabulated in Table IX.

One effluent sample (Eff-1) was collected at the discharge end of the temporary aboveground storage tank. TPH as gasoline, TPH as diesel, BTEX, and MTBE were all not detected at good limits of detection. The CAM 17 metals were also analyzed by the laboratory. Most metals were detected, but at concentrations below DSRSD discharge limits. The hydrocarbon analytical results are tabulated in Table X.

Copies of the laboratory reports from McCampbell are included as Appendix K.

5.0 Summary and Recommendations

- Approximately 2,370 cubic yards (3,054.5 tons) of petroleum-contaminated soil were excavated at the site and subsequently transported offsite to the Keller Canyon Class II Landfill.
- Due to sidewall collapse, the final excavation was approximately 50 feet by 50 feet by 21 feet in depth.
- Four authoritative bottom confirmation soil samples were collected beneath areas of known and worst-case contamination. All analytes, including TPH as gasoline, TPH as diesel, BTEX, the five fuel oxygenates (MTBE, TAME, TBA, DIPE, ETBE), the two lead scavengers (EDB and 1,2-DCA), and ethanol and methanol were non-detectable at good limits of detection in the bottom confirmation samples.
- Sidewall samples were not collected due to the presence of the soil retaining system.
- Approximately 1,100 pounds of ORC powder, augmented with 6 pounds of NPK bio-nutrients, were applied in slurry form to the excavation and excavation backfill to assist in the bio-degradation of residual hydrocarbons at the site.
- The excavation was backfilled with ½ - by ¾ -inch crushed rock to approximately 4.5 feet bgs. A geotextile fabric was placed over the top and the remainder of the excavation was backfilled with recycled Class II AB rock, and compacted to a minimum density of 95%.
- Twenty-six Geoprobe⁷ bores were pushed to a depth of 21 feet bgs in the area around the remedial excavation. Approximately 1,500 pounds of ORC powder, augmented with 6 pounds of NPK bio-nutrients, were injected in slurry form into the Geoprobe⁷ boreholes between the depths of approximately 3 to 21 ft bgs to assist in the bio-degradation of residual hydrocarbons at the site. The upper approximately 3 feet of each borehole was backfilled with cement grout.
- Eleven drums of soil cuttings and drilling mud were transported offsite with the excavation soil.
- Five drums of well development and purge water were discharged to sanitary sewer through

the carbon treatment system.

- Four drums of unknown content were categorized, found to be water and petroleum oil, and transported offsite under a signed *Uniform Hazardous Waste Manifest*.
- A copy of this report has been forwarded to:
 Mr. Barney Chan
 Alameda County Department of Environmental Health
 1131 Harbor Bay Parkway, Suite 250
 Alameda, CA 94502-6577
- Blymyer Engineers recommends that quarterly groundwater monitoring be performed for one year to assess the effectiveness of remedial actions on groundwater quality at the site.

Tables

Table I, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
East of 600 gal tank	7	2/5/90	N/A	740	1,100 *	14	35	23	110	NA
Dirt pile (composite)	---	2/6/90	N/A	1,700	2,000 ^{a,b}	15	78	37	210	NA
D1-10*	11.0	10/3/90	N/A	0.60	NA	<0.005	<0.005	<0.005	<0.005	NA
MW1-4A	11.0	11/22/91	CL/CH	<1	NA	<0.003	<0.003	<0.003	<0.003	NA
MW2-4A	11.0	11/22/91	CH (w/Sa)	140	NA	1.7	3.6	2.6	14	NA
MW3-4A	15.0	11/22/91	CL/CH (w/Sa)	<1	NA	<0.003	0.005	<0.003	<0.003	NA
MW4-2A	11.0	11/22/91	CL/CH	<1	NA	<0.003	0.006	0.005	<0.003	NA
B-1	5.0	11/3/92	CL	23	NA	0.13	0.033	1.4	0.038	NA
B-1	10.0	11/3/92	CL	36	NA	0.095	0.030	0.69	1.7	NA
B-2	5.0	11/3/92	CL	34	NA	0.28	1.4	0.63	4.1	NA
B-2	10.0	11/3/92	CL	40	NA	1.3	0.63	0.98	4.8	NA

Table I, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
B-3	5.0	11/3/92	SP	<1	NA	<0.003	0.004	<0.003	0.008	NA
B-3	10.0	11/3/92	CL	42	NA	1.1	0.13	0.86	4.7	NA
B-4	5.0	11/3/92	CL/CH	470	NA	2.3	8.6	6.6	38	NA
B-4	10.0	11/3/92	CL	23	NA	0.89	0.22	0.47	2.3	NA
SB-A-3.5	3.5	9/16/03	SC	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-B-7.5	7.5	9/16/03	CL	5.9^a	1.4^b	0.024	0.17	0.098	0.019	<0.05
SB-B-17	17	9/16/03	SM	49^a	10^b	0.022	0.17	0.30	0.67	<0.05
SB-C-8.5	8.5	9/16/03	SM	150^a	32^{b c d}	3.1	1.2	2.4	11	<0.50
SB-C-18	18	9/16/03	SM	640^a	180^{b c d}	9.9	7.1	11	42	<2.5
SB-D-10	10	9/16/03	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-D-13	13	9/16/03	SM	5.2^a	2.9^{b d}	0.014	0.040	0.088	0.046	<0.05
SB-E-13.5	13.5	9/16/03	SM	1.7^a	2.6^{c d}	<0.005	0.036	<0.005	<0.005	<0.05

Table I. Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
SB-F-17.75	17.75	9/16/03	CL/SM	210 ^a	62 ^{b c}	0.27	0.56	2.1	1.0	<5.0
SB-G-8	8	9/16/03	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-H-12	12	9/16/03	CL	65 ^a	12 ^{b c d}	<0.025	0.64	0.37	0.11	<0.25
SB-I-3.5	3.5	9/16/03	SP	2,600 ^a	1,500 ^{b c}	3.1	3.4	51	20	<10
SB-I-8.25	8.25	9/16/03	CL/SM	1,600 ^a	260 ^{b c}	19	45	33	110	<10
SB-I-13.5	13.5	9/16/03	SM	430 ^a	110 ^{b c d}	11	14	8.7	35	<10
SB-J-7.5	7.5	2/18/05	CL	550 ^a	33 ^{b c}	2.8	0.83	8.5	13	NA
SB-K-9	9.0	2/18/05	CL	130 ^a	8.8 ^{b c}	4.8	1.7	2.3	8.6	NA
SB-K-19.5	19.5	2/18/05	CL/SM	130 ^a	4.4 ^{b c}	0.48	1.2	1.6	6.2	NA
CPT1-23.5	23.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
CPT1-29.5	29.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
CPT1-41.5	41.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA

Table I, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
CPT2-8.0	8.0	3/28/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
CPT2-28	28	3/28/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
CPT2-43	43	3/28/05	SM	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
MW7-16	16	7/5/05	CL	38^f	4.2^{c, e}	<0.050	0.62	0.078	0.056	<0.50
MW7-21	21	7/5/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
RWQCB ESL Commercial / Industrial Land Use; (<3m); Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)				100	100	0.044	2.9	3.3	2.3	0.023

Table I, Summary of Soil Sample Hydrocarbon Analytical Results, Continued

Notes: ft	=	feet
mg/Kg	=	Milligrams per kilogram
TPH	=	Total Petroleum Hydrocarbons
MTBE	=	Methyl <i>tert</i> -butyl ether
NA	=	Not analyzed
N/A	=	Not available
<x	=	Less than the analytical detection limit (x)
*	=	Depth mismarked in field.
EPA	=	Environmental Protection Agency
^a	=	Laboratory note indicates an unmodified or weakly modified gasoline pattern.
^b	=	Laboratory note indicates gasoline range compounds are significant.
^c	=	Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
^d	=	Laboratory note indicates oil range compounds are significant.
^e	=	Laboratory note indicates a stoddard solvent/mineral spirit pattern.
^f	=	Laboratory note indicates that there is no recognizable pattern.

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the appropriate RWQCB ESL value.

Table II, Summary of Lead and Fuel Oxygenate Soil Sample Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Method SW 7010 (mg/Kg)	EPA Method 8260B (Mg/Kg)							
			Total Lead	TAME	TBA	EDB	1,2-DCA	DIPE	ETBE	MTBE
SB-B-7.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-B-17	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-C-18	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-F-17.75	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-I-3.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-I-8.25	9/16/03	7.6	NA	NA	NA	NA	NA	NA	NA	NA
SB-I-13.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
SB-J-7.5	2/18/05	NA	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
RWQCB ESL Commercial / Industrial Land Use; ; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)		750	NV	0.073	0.00033	0.0045	NV	NV	NV	0.023

Table II, Summary of Lead and Fuel Oxygenate Soil Sample Analytical Results, continued

Notes:	mg/Kg =	Milligrams per kilogram
	<x =	Less than the analytical detection limit (x)
	TAME =	Methyl <i>tert</i> -Amyl Ether
	TBA =	<i>tert</i> -Butyl Alcohol
	EDB =	1,2-Dibromoethane
	1,2-DCA =	1,2-Dichloroethane
	DIPE =	Di-isopropyl Ether
	ETBE =	Ethyl <i>tert</i> -Butyl Ether
	MTBE =	Methyl <i>tert</i> -butyl Ether
	NA =	Not analyzed

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the RWQCB ESL values.

**Table III, Summary of Grab or Depth-Discrete
Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
D1	10/3/90	22,000	NA	250	<30	750	880	NA
D3	10/3/90	110,000	NA	600	200	800	1,000	NA
D4	10/3/90	15,000	NA	1,300	<30	700	1,000	NA
D5	10/3/90	420	NA	2.4	<0.3	14	4.2	NA
D6	10/3/90	320,000	NA	4,000	4,400	3,700	10,000	NA
B-1	11/4/92	Free Product						
B-2	11/4/92	Free Product						
B-3	11/4/92	NA	NA	NA	NA	NA	NA	NA
B-4	11/4/92	Free Product						
B-5	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-6	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-7	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-8	11/4/92	Free Product						
B-9	11/4/92	170	NA	1.7	<0.3	2.4	1.4	NA

**Table III, Summary of Grab or Depth-Discrete
Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
B-10	11/4/92	7,800	NA	48	19	190	150	NA
B-11	11/14/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-12	11/14/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-13	12/10/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
SB-K-4W	2/18/05	74,000^{a,b}	47,000^{b,c,d}	9,100	840	4,200	11,000	NA
SB-K-19.5W	2/18/05	5,600^{a,b}	2,400^{c,d,e}	210	140	160	550	NA
CPT1-34W	3/28/05	150^a	<50	11	6.5	5.3	17	NA
CPT1-40W	3/28/05	320^a	61^d	33	23	15	46	NA
CPT2-23W	3/28/05	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
CPT2-35W	3/28/05	<50	60^d	<0.5	<0.5	<0.5	<0.5	NA
RWQCB Groundwater ESL: Groundwater IS a Current or Potential Source of Drinking Water; Commercial / Industrial Land Use (Table A or C)		100	100	1.0	40	30	20	5.0

Table III, Summary of Grab or Depth-Discrete Groundwater Sample Hydrocarbon Analytical Results

Notes:	$\mu\text{g/L}$	=	Micrograms per liter
	TPH	=	Total Petroleum Hydrocarbons
	MTBE	=	Methyl <i>tert</i> -butyl ether
	NA	=	Not analyzed
	<x	=	Less than the analytical detection limit (x)
	EPA	=	Environmental Protection Agency
	N/A	=	Not applicable
	^a	=	Laboratory note indicates an unmodified or weakly modified gasoline pattern.
	^b	=	Laboratory note indicates a lighter than water immiscible sheen / product is present.
	^c	=	Laboratory note indicates diesel range compounds are significant; no recognizable pattern.
	^d	=	Laboratory note indicates gasoline range compounds are significant.
	^e	=	Laboratory note indicates oil range compounds are significant.

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective RWQCB ESL value (Groundwater IS Current or Potential Source of Drinking Water).

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-1	11/27/91	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	9/30/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	4/7/94	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	8/12/94	<50	NA	1	1	<0.3	<2	NA
	11/29/94	<50	NA	<0.5	<0.5	<0.5	<2	NA
	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/23/05	NA	NA	NA	NA	NA	NA	NA
	6/22/05	NA	NA	NA	NA	NA	NA	NA

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-2	11/27/91	170,000	NA	24,000	13,000	3,500	16,000	NA
	9/30/92	120,000	NA	24,000	15,000	3,800	17,000	NA
	4/7/94	120,000	NA	21,000	14,000	4,300	21,000	NA
	8/12/94	140,000	NA	17,000	10,000	4,300	18,000	NA
	11/29/94	90,000	NA	17,000	7,500	3,400	15,000	NA
	3/21/95	83,000	NA	17,000	8,000	3,800	17,000	NA
	5/22/95	82,000	NA	14,000	6,000	4,000	16,000	NA
	8/24/95	86,000	NA	13,000	8,100	3,700	16,000	NA
	2/12/96	78,000	NA	15,000	8,100	4,200	18,000	NA
	2/5/97	58,000	NA	11,000	6,900	3,500	15,000	480
	8/6/97	66,000	NA	7,000	9,200	3,500	16,000	<500
	6/6/02*	25,000 ^a	NA	2,900	50	2,700	2,200	<250
	9/23/02	14,000 ^b	4,300 ^c	2,700	81	2,100	1,800	<250
	12/13/02	26,900	4,000 ^c	1,120	91.0	1,480	2,370	197 ^d
	12/14/04	21,000 ^e	7,600 ^{f, g}	1,700	120	1,600	2,400	<60
	3/23/05	27,000 ^{e, i}	15,000 ^{f, g, i}	1,400	170	1,700	2,500	<170
6/22/05	5,800 ^e	1,200 ^g	53	46	570	58	<50	

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-3	11/27/91	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	9/30/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	4/7/94	<50	NA	2.5	5.5	0.9	5.1	NA
	8/12/94	<50	NA	<0.5	<0.5	<0.3	<2	NA
	11/29/94	<50	NA	<0.5	<0.5	<0.5	<2	NA
	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/23/05	NA	NA	NA	NA	NA	NA	NA
6/22/05	NA	NA	NA	NA	NA	NA	NA	

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-4	11/27/91	11,000	NA	100	0.7	250	330	NA
	9/30/92	380	NA	3.5	2.4	8.9	3.4	NA
	4/7/94	1,100	NA	61	5.5	17	12	NA
	8/12/94	1,000	NA	3	1	8	4	NA
	11/29/94	1,100	NA	2	<0.5	10	6	NA
	3/21/95	1,400	NA	200	5	66	18	NA
	5/22/95	1,200	NA	60	1	12	8	NA
	8/24/95	400	NA	1	<0.5	1	<2	NA
	2/12/96	1,500	NA	130	<0.5	120	51	NA
	2/5/97	1,200	NA	250	4.9	94	12	16
	8/6/97	330	NA	1.5	<0.5	<0.5	<0.5	<5
	6/6/02*	<50	NA	1.7	<0.5	<0.5	<0.5	<2.5
	9/23/02	<50	<48	<0.5	1.3	<0.5	<0.5	<2.5
	12/13/02	<50	86 ^c	<0.5	<0.5	<0.5	<1.5	<0.5
	12/14/04	95 ^h	<50	2.6	<0.5	<0.5	<0.5	<5.0
3/23/05	120 ^h	<50	<0.5	5.0	<0.5	<0.5	<5.0	
6/22/05	180 ^e	<50	1.7	7.5	<0.5	<0.5	<5.0	

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-5	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	<50	310^c	<0.5	<0.5	<0.5	<0.5	<2.5
	12/13/02	<50	97^c	<0.5	<0.5	<0.5	<1.5	0.720^d
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	12
	3/23/05	<50	<50	<0.5	<0.5	<0.5	<0.5	23
	6/22/05	<50	<50	<0.5	<0.5	<0.5	<0.5	31

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-6	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/23/05	NA	NA	NA	NA	NA	NA	NA
6/22/05	NA	NA	NA	NA	NA	NA	NA	
MW-7	7/18/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
RWQCB Groundwater ESL: Groundwater IS a Current or Potential Source of Drinking Water; Commercial/ Industrial Land Use (Table A or C)		100	100	1.0	40	30	20	5.0

- Notes: $\mu\text{g/L}$ = Micrograms per liter
 TPH = Total Petroleum Hydrocarbons
 MTBE = Methyl *tert*-butyl ether
 NA = Not analyzed
 <x = Less than the analytical detection limit (x)
 EPA = Environmental Protection Agency
 NV = No value established
 * = Initial data set collected under direction of Blymyer Engineers, Inc.
^a = Laboratory note indicates the result is an unidentified hydrocarbon within the C6 to C10 range.
^b = Laboratory note indicates the result is gasoline within the C6 to C10 range.
^c = Laboratory note indicates the result is a hydrocarbon within the diesel range but that it does not represent the pattern of the requested fuel.
^d = MTBE analysis by EPA Method 8260B yielded a non-detectable concentration at a detection limit of 0.50 $\mu\text{g/L}$. See Table III.
^e = Laboratory note indicates that unmodified or weakly modified gasoline is significant.
^f = Laboratory note indicates that diesel range compounds are significant, with no recognizable pattern.
^g = Laboratory note indicates that gasoline range compounds are significant.
^h = Laboratory note indicates that no recognizable pattern is present.
ⁱ = Laboratory note indicates that a lighter than water immiscible sheen / product is present.

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective RWQCB ESL value.

Table V, Summary of Groundwater Sample Fuel Additive Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	EPA Method 8260B								
		TAME ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	Methanol ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)
MW-2	12/13/02	<0.50	<2,000	NA	NA	<0.50	NA	<0.50	NA	<0.50
	3/23/05	<5.0	<50	<5.0	5.4	<5.0	<500	<5.0	<5,000	<5.0
MW-5	12/14/04	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<0.5	<500	12
RWQCB Groundwater ESL: Commercial / Industrial Land Use; Groundwater IS a Current or Potential Drinking Water Resource (Table A or C)		NV	12	0.05	0.5	NV	50,000	NV	NV	5

Notes: TAME = Methyl *tert*-Amyl Ether
TBA = *tert*-Butyl Alcohol
EDB = 1,2-Dibromoethane
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl Ether
ETBE = Ethyl *tert*-Butyl Ether
MTBE = Methyl *tert*-butyl Ether
($\mu\text{g/L}$) = Micrograms per liter
NA = Not analyzed
NV = No value

Table VI, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)	
MW-1	11/27/91	326.61	4.82	321.79	
	9/30/92		5.34	321.27	
	4/7/94		3.38	323.23	
	8/12/94		4.23	322.38	
	11/29/94		3.44	323.17	
	3/21/95		1.00	325.61	
	5/22/95		2.20	324.41	
	8/24/95		3.45	323.16	
	2/12/96		1.95	324.66	
	2/5/97		Data	Missing	
	8/6/97		3.60	323.01	
	6/6/02*		2.89	323.72	
	9/23/02		3.48	323.13	
	12/13/02		3.18	323.43	
	12/14/04		2.76	323.85	
	3/23/05		1.14	325.47	
	6/22/05		329.41 ¹	2.58	326.83
	7/18/05			2.21	327.20

Table VI, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)	
MW-2	11/27/91	326.67	4.92	321.75	
	9/30/92		5.42	321.25	
	4/7/94		3.48	323.19	
	8/12/94		4.18	322.49	
	11/29/94		3.76	322.91	
	3/21/95		1.25	325.42	
	5/22/95		2.20	324.47	
	8/24/95		3.57	323.10	
	2/12/96		2.60	324.07	
	2/5/97		1.72	324.95	
	8/6/97		3.72	322.95	
	6/6/02*		3.46	323.21	
	9/23/02		4.14	322.53	
	12/13/02		3.45	323.22	
	12/14/04		2.96	323.71	
	3/23/05		1.83	324.84	
	6/22/05		329.46 ¹	3.82	325.64
	7/18/05			3.55	325.91

**Table VI, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-3	11/27/91	326.58	4.96	321.62
	9/30/92		5.46	321.12
	4/7/94		3.66	322.92
	8/12/94		4.37	322.21
	11/29/94		3.60	322.98
	3/21/95		1.62	324.96
	5/22/95		2.73	323.85
	8/24/95		3.76	322.82
	2/12/96		2.45	324.13
	2/5/97		1.99	324.59
	8/6/97		3.83	322.75
	6/6/02*		3.66	322.92
	9/23/02		4.66	321.92
	12/13/02		3.66	322.92
	12/14/04		3.52	323.06
	3/23/05		1.83	324.75
	6/22/05		329.37 ¹	3.99
				3.60

**Table VI, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)	
MW-4	11/27/91	326.92	5.26	321.66	
	9/30/92		5.78	321.14	
	4/7/94		4.02	322.90	
	8/12/94		4.81	322.11	
	11/29/94		4.39	322.53	
	3/21/95		1.80	325.12	
	5/22/95		3.07	323.85	
	8/24/95		4.09	322.83	
	2/12/96		2.80	324.12	
	2/5/97		2.32	324.60	
	8/6/97		4.14	322.78	
	6/6/02*		3.76	323.16	
	9/23/02		4.14	322.78	
	12/13/02		3.90	323.02	
	12/14/04		3.68	323.24	
	3/23/05		1.93	324.99	
	6/22/05		329.70 ¹	3.65	326.05
	7/18/05			3.69	323.23

**Table VI, Summary of Groundwater Elevation Measurements
 BEI Job No. 202016, Dolan Rentals
 6393 Scarlett Court, Dublin, California**

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-5	3/21/95	326.50	2.10	324.40
	5/22/95		2.93	323.57
	8/24/95		1.57	324.93
	2/12/96		2.78	323.72
	2/5/97		2.24	324.26
	8/6/97		3.02	323.48
	6/6/02*	**	2.79	NM
	9/23/02		3.07	NM
	12/13/02		3.14	NM
	12/14/04		2.92	NM
	3/23/05		2.39	NM
	6/22/05	329.16 ¹	2.99	326.17
	7/18/05		3.39	325.77

**Table VI, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-6	3/21/95	327.23	3.24	323.99
	5/22/95		4.70	322.53
	8/24/95		4.95	322.28
	2/12/96		4.50	322.73
	2/5/97		3.68	323.55
	8/6/97		4.79	322.44
	6/6/02*		4.81	322.42
	9/23/02		5.10	322.13
	12/13/02		4.88	322.35
	12/14/04		4.61	322.62
	3/23/05		3.40	323.83
	6/22/05		330.02 ¹	4.72
	7/18/05	2.65		327.37
MW-7	7/18/05	NA	6.38	---

Notes: TOC = Top of casing
 * = Initial data set collected under direction of Blymyer Engineers, Inc.
 ** = Surveyed elevation not yet available
 NM = Not measured
¹ = Resurveyed for GeoTracker database on April 13, 2005 by CSS
 Environmental Services, Inc.

Elevations in feet above mean sea level

Table F-1, Summary of Groundwater Well Construction Details
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Well Number	Installation Date	Bore Depth (feet, bgs)	Well Completion Depth (feet, bgs)	Screen Interval (feet, bgs)	Casing Diameter / Slot Size (inches)	Measured Depth March 23, 2005 (feet, bgs)	DTW March 23, 2005 (feet, bgs)	Consultant
MW-1	11/22/91	20	20	5 - 20	2 / 0.020	19.34	1.14	PES
MW-2	11/21/91	20	20	5 - 20	2 / 0.020	19.76	1.83	PES
MW-3	11/21/91	20	20	5 - 20	2 / 0.020	18.41	1.83	PES
MW-4	11/21/91	20	20	5 - 20	2 / 0.020	18.64	1.93	PES
MW-5	2/23/95	10	10	3 - 10	2 / 0.020	9.83	2.39	PES
MW-6	3/14/95	10	10	3 - 10	2 / 0.020	9.90	3.40	PES
MW-7	7/8/05	40	40	30 - 40	2 / 0.010	42.60*	6.35*	BEI

Notes:

- bgs = Below grade surface
- DTW = Depth to water
- PES = PES Environmental, Inc.
- BEI = Blymyer Engineers, Inc.
- * = Above grade completion (approximately 2.6 feet)

VII, Summary of Excavation Bottom Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015		EPA Method 8021B				
		(mg/Kg)		(mg/Kg)				
		TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
NWB-20.5	12/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SEB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SWB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
NEB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
RWQCB ESL Commercial / Industrial Land Use; ; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)		100	100	0.044	2.9	3.3	1.5	0.023

Table VII: Summary of Excavation Bottom Soil Sample Hydrocarbon Analytical Results, continued

Notes:	ft	=	feet
	mg/Kg	=	Milligrams per kilogram
	TPH	=	Total Petroleum Hydrocarbons
	MTBE	=	Methyl <i>tert</i> -butyl ether
	NA	=	Not analyzed
	N/A	=	Not available
	<x	=	Less than the analytical detection limit (x)
	*	=	Depth mismarked in field.
	EPA	=	Environmental Protection Agency
	^a	=	Laboratory note indicates heavier gasoline range compounds are significant (aged gasoline?)
	^b	=	Laboratory note indicates that there is no recognizable pattern.
	^c	=	Laboratory note indicates gasoline range compounds are significant.
	^d	=	Laboratory note indicates oil range compounds are significant.
	^e	=	Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
	^f	=	Laboratory note indicates unmodified or weakly modified gasoline is significant

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective *commercial* RWQCB ESL value, (Groundwater IS Current or Potential Source of Drinking Water).

Table VIII, Summary of Excavation Bottom Lead and Fuel Additive Soil Sample Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Method SW 6010 (mg/Kg)	EPA Method 8260B (mg/Kg)									
			Total Lead	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	ETBE	Methanol	MTBE
NWB-20.5	12/2/05	8.2	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
SEB-20	12/8/05	7.6	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
SWB-20	12/8/05	8.9	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
NEB-20	12/8/05	7.5	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
RWQCB ESL Commercial / Industrial Land Use; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)		750	NV	0.073	0.00033	0.0045	NV	45	NV	NV	NV	0.023

Notes: mg/Kg = Milligrams per kilogram
 <x = Less than the analytical detection limit (x)
TAME = Methyl *tert*-Amyl Ether
EDB = 1,2-Dibromoethane
DIPE = Di-isopropyl Ether
MTBE = Methyl *tert*-butyl Ether
Bold results indicate detectable analyte concentrations.

TBA = *tert*-Butyl Alcohol
1,2-DCA = 1,2-Dichloroethane
ETBE = Ethyl *tert*-Butyl Ether
NV = No value established

Table IX, Summary of Stockpile Soil Sample Hydrocarbon and Lead Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Method SW 6010 (mg/Kg)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8021B (mg/Kg)				
		Total Lead	TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
SP1, 1-4	11/29/05	14	25 ^{a b}	26 ^{c d e}	<0.017	0.021	0.097	0.44	<0.17
SP2, 1-4	11/29/05	10	35 ^{a b}	42 ^{c d e}	<0.017	0.023	0.16	0.64	<0.17
SP3, 1-4	12/2/05	7.9	28 ^f	3.7 ^c	0.026	0.13	0.3	0.56	<0.20
SP4, 1-4	12/2/05	7.3	82 ^f	13 ^c	0.074	0.21	1.1	3.3	<0.50
SP5, 1-4	12/6/05	7.1	140 ^{a b}	20 ^{c e}	0.15	0.35	1.6	5.9	<0.50
SP6, 1-4	12/6/05	14	140 ^{a b}	28 ^{c e}	0.18	0.65	1.6	2.7	<0.50
SP7, 1-4	12/7/05	8.0	30 ^f	10 ^{c d e}	0.035	0.062	0.36	0.53	<0.05
SP8, 1-4	12/7/05	9.0	55 ^{a b}	33 ^{c d}	<0.050	0.077	0.83	2.7	<0.50
SP9, 1-4	12/8/05	9.0	25 ^f	8.0 ^{c d e}	0.031	0.078	0.20	0.52	<0.05
SP10, 1-4	12/8/05	9.3	45 ^b	11 ^{c d e}	0.034	0.49	0.26	0.72	<0.25

Table IX, Summary of Stockpile Soil Sample Hydrocarbon and Lead Analytical Results, continued

Notes: ft	=	feet
mg/Kg	=	Milligrams per kilogram
TPH	=	Total Petroleum Hydrocarbons
MTBE	=	Methyl <i>tert</i> -butyl ether
NA	=	Not analyzed
N/A	=	Not available
<x	=	Less than the analytical detection limit (x)
*	=	Depth mismarked in field.
EPA	=	Environmental Protection Agency
^a	=	Laboratory note indicates heavier gasoline range compounds are significant (aged gasoline?)
^b	=	Laboratory note indicates that there is no recognizable pattern.
^c	=	Laboratory note indicates gasoline range compounds are significant.
^d	=	Laboratory note indicates oil range compounds are significant.
^e	=	Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
^f	=	Laboratory note indicates unmodified or weakly modified gasoline is significant

Bold results indicate detectable analyte concentrations.

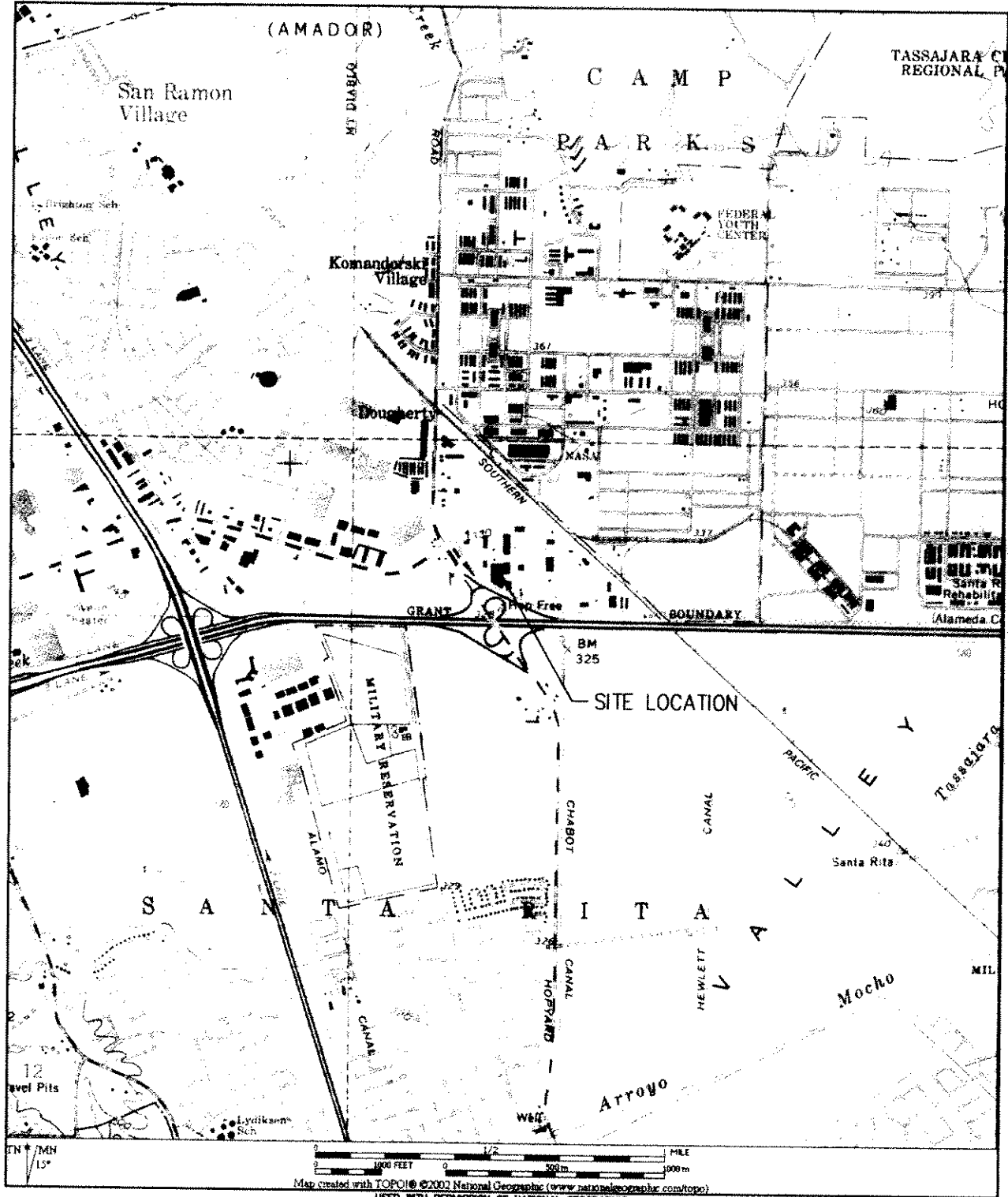
Table X, Summary of Treated Effluent Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California


Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Eff-1	12/2/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0

- Notes: $\mu\text{g/L}$ = Micrograms per liter
 TPH = Total Petroleum Hydrocarbons
 MTBE = Methyl *tert*-butyl ether
 <x = Less than the analytical detection limit (x)
 EPA = Environmental Protection Agency

Figures

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 BLYMYER ENGINEERS, INC.	
BEI JOB NO. 202016	DATE 6-27-02

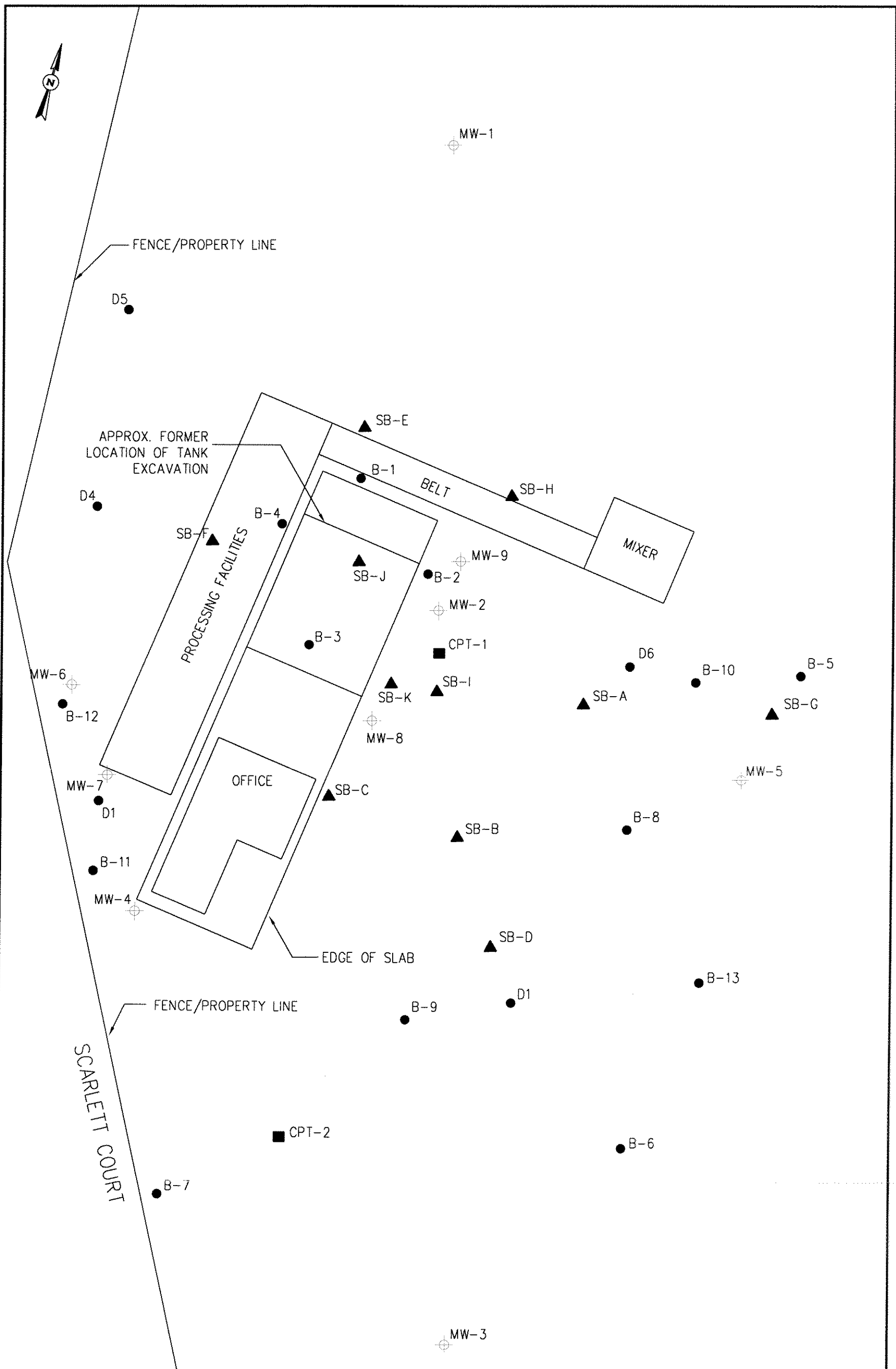
LEGEND

SITE LOCATION MAP

FORMER DOLAN RENTAL PROPERTY
 6393 SCARLETT COURT
 DUBLIN, CA


FIGURE





1



BASED ON SITE PLAN GENERATED BY AQUA SCIENCE ENGINEERS, INC.

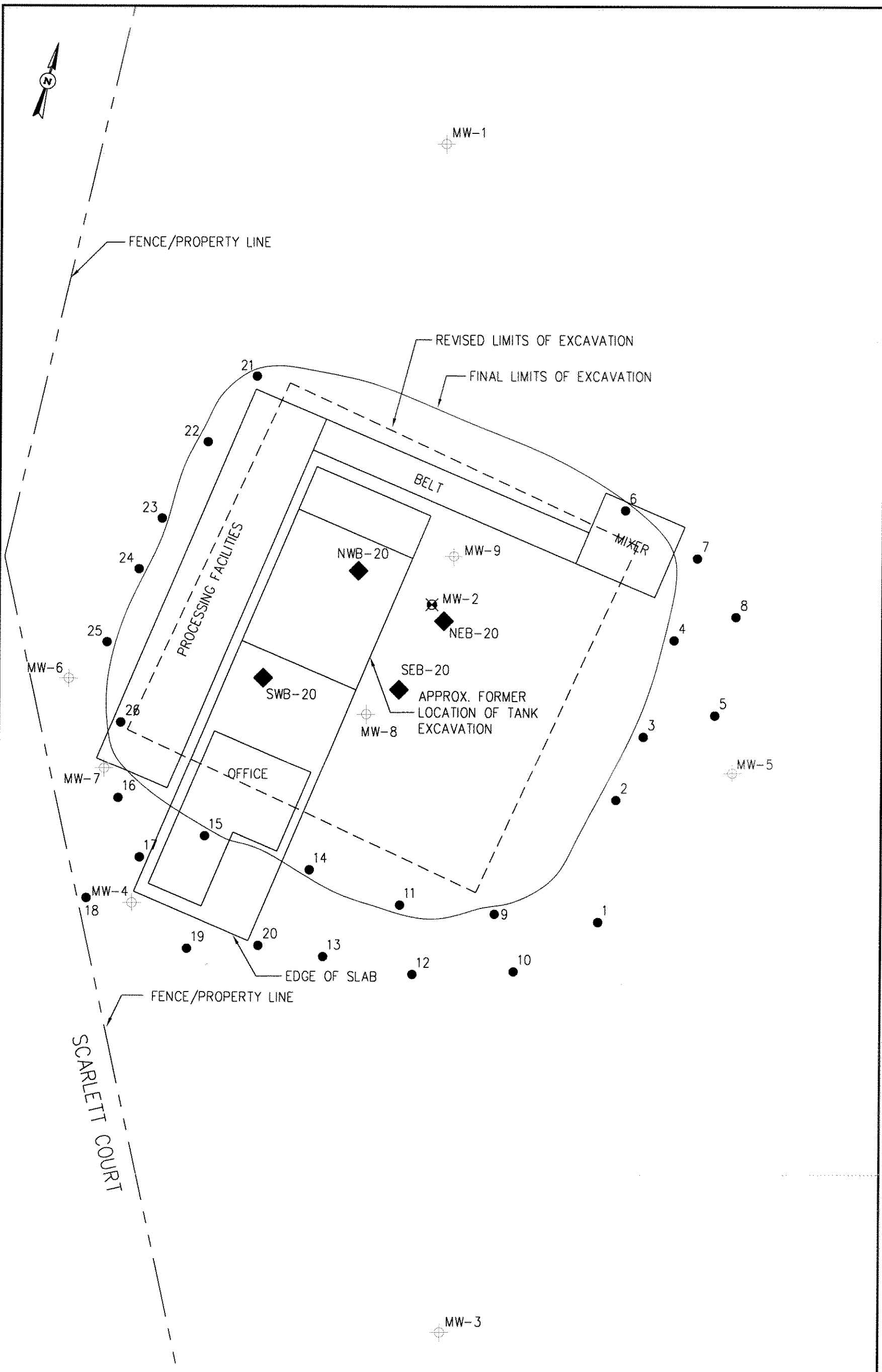


 BLYMYER ENGINEERS, INC.	
BEI JOB NO. 202016	DATE 3-7-06

LEGEND	
	GROUNDWATER MONITORING WELL
	SOIL BORE (BY OTHERS)
	GEOPROBE SOIL BORE
	CPT SOIL BORE

SITE PLAN
FORMER DOLAN RENTAL PROPERTY
6393 SCARLETT COURT
DUBLIN, CA

FIGURE
2



BASED ON SITE PLAN GENERATED BY AQUA SCIENCE ENGINEERS, INC.

0 10
SCALE IN FEET

BEI JOB NO. 202016	DATE 3-7-06

LEGEND

- GROUNDWATER MONITORING WELL
- WELL DESTROYED BY EXCAVATION
- ORC INJECTION BORE
- BOTTOM CONFIRMATION SOIL SAMPLE LOCATION

LIMITS OF REMEDIAL EXCAVATION AND ORC INJECTION BORE LOCATION
 FORMER DOLAN RENTAL PROPERTY
 6393 SCARLETT COURT
 DUBLIN, CA

FIGURE
3

Appendix A

**City of Dublin Excavation Permit,
Dublin – San Ramon Services District Discharge Permit,
and D.H. Charles Engineering, Inc. *Excavation Shoring Plan***



CITY OF DUBLIN
Public Works Department
100 Civic Plaza, Dublin CA 94568
Tel. (925) 833-6630 Fax (925) 829-9248

Permit No. 05-37

Date: November 14, 2005

GRADING / SITEWORK PERMIT

Project Name: Dublin Honda Soil Remediation Location: 6393 Scarlett Court
Owner: The Estate of Michael Dolon/Dolon Trust Property Tract No. _____ APN _____
Permittee: Marcor Remediation, Inc. Phone No. (925) 307-1500
Address: 6644 Sierra Lane, Dublin, CA 94568 Fax No. (925) 307-1510
Job Contact: Randy Nixon Cell Phone No. (925) 378-4639

TYPE OF WORK AUTHORIZED:		FEES:	
<input type="checkbox"/> Grading	<input checked="" type="checkbox"/> Regular	Permit	\$ <u>10.00</u>
	<input type="checkbox"/> Engineered	Inspection Deposit	\$ <u>1,000.00</u>
	Quantity <u>1,200</u> CY	SURETY	
<input type="checkbox"/> Parking Lot		Cash Bond:	\$ <u>1,000.00</u>
<input type="checkbox"/> Landscaping		TOTAL:	\$ <u>2,010.00</u>
<input type="checkbox"/> Retaining Wall		Receipt No. _____	Rec'd By: <u>TMA</u>
<input checked="" type="checkbox"/> Other <u>Soil Excavation</u>		Finance Control No. <u>695</u>	
Term of Permit Shall Not Exceed:			
<input checked="" type="checkbox"/> 120 Days from date of issuance			
<input type="checkbox"/> Concurrent with tract contract			
<input type="checkbox"/> Other			

*11/14/05
Lead March 21
#2020517*

This permit is issued subject to the terms and conditions of City of Dublin Municipal Code Chapter 7.16 (Grading Ordinance) and to the application and approved plans and specifications made a part hereof by reference. The Grading Ordinance and the approved plans and specifications are by this reference incorporated in this permit as if set forth at length. No change of any nature in the application, the plans and specifications, or in the work to be performed thereunder shall be made unless such change shall have first been approved in writing by the Director of Public Works and an amendment to this permit executed.

It is further provided that sufficient dust and noise control be employed at all times and that a soils engineer shall be on site as required by DMC Chapter 7.16 (see Final Report Declaration). Additional conditions are as follows:

- Final Geotechnical Report required
- Traffic Control Plan required
- Additional Conditions Attached

Comments: Soil Remediation. All erosion control shall be in place prior to beginning of work.

Work Hours 7:30 am to 6:00 pm, M-F except holidays. After hours, weekend and holiday work subject to City approval, and overtime labor rates will be charged against deposit.

AGREED AND ACCEPTED:

Randy Nixon 11-14-05
Applicant Date

APPROVED FOR ISSUANCE:

[Signature] 11/14/05
Director of Public Works Date

Attachment: Final Report Declaration (if applicable)
Copies to: Public Works Inspector: File



DUBLIN SAN RAMON SERVICES DISTRICT
PRETREATMENT PROGRAM
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT # 05030

Effective Date: November 21, 2005
Expiration Date: February 28, 2006

Permit Fee: \$410.00

IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THE DUBLIN SAN RAMON SERVICES DISTRICT'S SEWAGE CODE (CHAPTER 7, ARTICLE 3), AND ALSO WITH ANY AND ALL APPLICABLE PROVISIONS OF FEDERAL AND/OR STATE LAWS OR REGULATIONS, PERMISSION IS HEREBY GRANTED TO:

MARCOR REMEDIATION, INC.
6644 SIERRA LANE
DUBLIN, CA 94568

SIC CLASSIFICATION: 1794 (EXCAVATION WORK)

FOR THE DISPOSAL OF GROUNDWATER FROM CONSTRUCTION DEWATERING ACTIVITIES INTO THE SANITARY SEWER AT THE SITE ADDRESS OF:

6393 SCARLETT COURT
DUBLIN, CA 94568

DISCHARGER UNDERSTANDS ALL THE CONDITIONS OF THIS PERMIT AND AGREES TO COMPLY WITH THESE CONDITIONS AND THE DISTRICT'S SEWAGE CODE (CHAPTER 7, ARTICLE 3). FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT MAY BE GROUNDS FOR ADMINISTRATIVE ACTION, OR ENFORCEMENT PROCEEDINGS INCLUDING CIVIL OR CRIMINAL PENALTIES, INJUNCTIVE RELIEF, PERMIT REVOCATION AND SUMMARY ABATEMENTS.

IN ADDITION, THE DISCHARGER UNDERSTANDS THAT COMPLIANCE WITH THIS PERMIT DOES NOT RELIEVE THE DISCHARGER FROM COMPLIANCE WITH ANY AND ALL LOCAL, STATE AND FEDERAL PRETREATMENT STANDARDS AND REQUIREMENTS INCLUDING ANY SUCH STANDARDS OR REQUIREMENTS THAT MAY BECOME EFFECTIVE DURING THE TERM OF THIS PERMIT.

COMPANY OFFICER: _____

SCOTT WILLIAMS
SENIOR PROJECT MANAGER

DATE

DISTRICT REPRESENTATIVE:

DAVID A. REQUA
DISTRICT ENGINEER

DATE

PART 1-GENERAL INFORMATION

MAILING ADDRESS

Name:/Street: Marcor Remediation, Inc. 6644 Sierra Lane
City: Dublin State: CA Zip: 94568

BUSINESS ADDRESS

Name:/Street: Marcor Remediation, Inc. 6644 Sierra Lane
City: Dublin State: CA Zip: 94568

CORPORATE INFORMATION (If Applicable)

Corporate Address: 246 Cockeysville Road, Suite 1
City: Hunt Valley State: MD Zip: 21030
State of Incorporation: Maryland
Corporate Agent: Pamela Welzenbach
Agent Address: 246 Cockeysville Road, Suite 1
City: Hunt Valley State: MD Zip: 21030
Agent Phone #: (410) 785-0001/800-547-0128, Fax: (410) 771-0348

PROPERTY OWNER

Name: The Estate of Michael Dolan/Dolan Trust Property
Address: 3215 Deer Park Drive
City: Walnut Creek State: CA Zip: 94598

Chief Executive Officer, General Partner, or Proprietor

Name: Mr. Michael Fitzpatrick Title: Trustee
Address: 3215 Deer Park Drive
City: Walnut Creek State: CA Zip: 94598

PERSON TO SIGN THIS PERMIT

Name: Scott Williams Title: Sr. Project Manager
Phone #:(Day) (510) 376-9795 (Night) (800) 888-9501

PERSON TO BE CONTACTED ABOUT THIS PERMIT

Name: Scott Williams Title: Sr. Project Manager
Phone #:(Day) (510) 376-9795 (Night) (800) 888-9501

PERSON TO BE CONTACTED IN CASE OF EMERGENCY

Name: Scott Williams Title: Sr. Project Manager
Phone #:(Day) (510) 376-9795 (Night) 800) 888-9501

TYPE OF BUSINESS OR OPERATION:

Environmental remediation - Soil Excavation, one time event

DESCRIPTION OF APPLICABLE PROCESSES:

PROCESS DESCRIPTION	40 CFR PROCESS
Excavation Dewatering/Contaminated Ground Water	N/A

PART 2 - FEES AND CHARGES

The Discharger identified on the title page of this permit is hereby given authorization to discharge industrial/commercial wastewater into the sanitary sewer provided that:

- a. The Discharger makes payment of sewer service charges in association with the industrial/commercial wastewater discharge. Sewer service charges are based on the flow and strength of the wastewater. The strength of the wastewater is measured by the Biochemical Oxygen Demand (BOD) and the Total Suspended Solids (TSS) analyses.
- b. The Discharger makes payment of the fees associated with the administration of this permit. Fees shall include, but not limited to, permit fees, inspection fees and sampling & analysis fees. Other fees may apply as a result of escalated enforcement action.

PART 3 - MONITORING REQUIREMENTS

I. DISCHARGE LIMITATIONS

- a. **Only wastewater generated from construction dewatering activities at 6393 Scarlett Court, Dublin, CA 94568 are permitted. No domestic and/or industrial/commercial wastewaters are granted under this permit.**
- b. The rate of discharge shall **not** exceed **45** gallons per minute (gpm).
- c. Days permitted for discharge are limited to **Monday through Friday only.**
- d. Hours of discharge are limited to **5:00am to 5:00pm.**
- e. The Discharger shall also comply with the prohibited discharges referenced in Chapter 7, Article 3 of the District Code.
- f. The volume of wastewater discharged to the sanitary sewer shall be documented as required in Part 4, Section III of this permit.

The Discharger shall comply with all discharge limitations referenced in Appendix A of this permit as they apply to any facility discharge which is analyzed by approved methods and/or permit conditions.

The Discharger shall also comply with the prohibited discharges referenced in Chapter 7, Article 3 of the District Code.

II. REPRESENTATIVE SAMPLING

Effluent samples collected for analyses shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring point(s) specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. All equipment used for sampling must be routinely inspected and maintained to ensure their accuracy.

III. SAMPLING AND ANALYSIS

The Discharger shall comply with the following sampling and analysis requirements:

- a. The facility's wastewater discharge shall be sampled, at a minimum, according to the required sampling frequency outlined in Appendix A.

The **original** analysis results shall be submitted to the District within forty-five (45) days of the sampling date.

- b. All samples for the pollutants listed in Appendix A of this permit shall be taken at the designated sampling location(s) referenced in Appendix B of this permit.
- c. All handling, preservation, and holding times of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR, Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit. In addition, all samples shall be delivered as soon as possible to the certified laboratory, but never shall the delivery of the samples to the laboratory exceed twenty-four (24) hours from the time the samples were obtained.
- d. The laboratory selected to perform the analyses must be certified by the State of California Department of Health Services for wastewater analyses.

IV. VIOLATION RESAMPLING

If the results of any wastewater analysis performed by, or at the direction of, the Discharger indicates that a violation of this permit has occurred, the Discharger must:

- a. Inform the District of the violation within 24 hours of becoming aware of the violation; and
- b. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within thirty (30) days from the date the Discharger first becomes informed of the violation.

PART 4 - REPORTING REQUIREMENTS

I. MONITORING REPORTS

If the Discharger monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR, Part 136 or amendments thereto, or otherwise approved by the EPA, or as specified in this permit, the results of such monitoring shall be submitted within 45 days of the monitoring date to the District to determine compliance with all discharge limits as referenced in Appendix A. The monitoring results shall be submitted with the Signatory Requirement referenced in Part 5, Section XIV of this permit. Also, these monitoring results shall be included in the calculations to determine if and when the Discharger is in "Significant Noncompliance".

II. ACCIDENTAL DISCHARGE REPORT

The Discharger shall notify the District immediately, **by telephone**, upon becoming aware of the occurrence of any accidental discharge of substances prohibited by this permit or the District Code or of any **slug discharges** or spills that may enter the sanitary sewer. The Discharger shall call the following telephone number to notify the District of such discharges:

(925) 846-4565 (24 hours a day)

The telephone message must include the following information:

- a. Business name, contact person, and telephone number.
- b. Location and time of discharge.
- c. Composition of the waste including hazardous properties.
- d. Concentration and volume.
- e. Immediate corrective actions taken.
- f. Any other information deemed relevant.

Within five (5) days following the accidental discharge the Discharger shall submit to the District a detailed written report. The report shall provide the following information:

- a. Description and cause of the upset, **slug load** or accidental discharge. The description shall include the location of the discharge, and the composition, concentration and volume of waste.
- b. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.
- c. All steps taken, or to be taken, to reduce, eliminate, and/or prevent recurrence of such an upset, **slug load**, accidental discharge, or other conditions of noncompliance.

d. Any information deemed relevant.

It shall be the responsibility of the Discharger to notify the District of any unusual discharge whether or not the Discharger is aware of any possible impact to the District's facilities or operations.

The Discharger's notification to the District of accidental discharges does not relieve the Discharger of other reporting requirements in accordance with local, state, or federal laws.

III. BYPASS OF TREATMENT FACILITIES

- a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, or severe property damage or no feasible alternatives exist.
- b) Notification of bypass:
 - (1) Anticipated bypass. If the Discharger knows in advance of the need for a bypass, it shall submit prior written notice, at least ten days before the date of the bypass, to the District.
 - (2) Unanticipated bypass. The Discharger shall immediately notify, the District, **by telephone**, and submit written notice to the District within 5 days. This report shall specify:
 - (i) A description of the bypass, and its cause, including its duration;
 - (ii) Whether the bypass has been corrected; and
 - (iii) The steps being taken or to be taken to reduce, eliminate and prevent a reoccurrence of the bypass.
- c) The Discharger may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to paragraphs (a) and (b) of this section.

IV. MONTHLY REPORT

The Discharger shall submit a monthly report to the District documenting certain activities, which occurred during that month. The monthly report shall be due at the District Office within thirty (30) days after the month's end and shall include the following:

- a. Copies of all manifests/receipts associated with the groundwater remediation project including, but not limited to, manifests/receipts for the off-haul of petroleum wastes generated from the oil/water separator, and/or spent activated carbon, which occurred during the reporting period.
- b. Any operational changes which occurred during the reporting month.
- c. A log documenting the volume of remediated groundwater discharged to the sanitary sewer during the reporting month, and the corresponding dates of the meter readings.
- d. The **original** analysis results from the Discharger's **weekly** monitoring activities, as required in Part 3, Section III (a) of this permit.
- e. The submission, by an authorized representative, of the Signatory Requirement referenced in Part 5, Section XIV of this permit.

All reports required by this permit shall be submitted to Dublin San Ramon Services District at the following address:

7399 Johnson Drive
Pleasanton, CA 94588
ATTENTION: Environmental Compliance Section

PART 5 - STANDARD CONDITIONS

I. INSPECTION AND ENTRY

The Discharger shall grant the District staff or authorized representatives entrance to the permitted facility for the purposes of inspection and sampling at all reasonable times. The inspection shall include the examination of all files pertaining to the requirements contained within this permit and the District's Sewerage Code and/or the examination of all sources of industrial wastewater discharge.

In addition, the Discharger shall inform District staff of the facility's safety procedures and requirements including the use of personal protective equipment.

II. DILUTION

The Discharger shall not increase the use of potable or process water or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained within this permit, any National Pretreatment Standards, or any other wastewater effluent limitation developed by the District or State.

III. FACILITY MODIFICATION/CHANGES

The Discharger shall notify the District at least 30 days prior to any facility expansion, production increase, or process modification which results in new or substantially increased wastewater discharges or a change in the nature of the wastewater discharge.

Furthermore, the Discharger **shall obtain prior approval from the District** before discharging any new sources of wastewater, wastewater discharges that have substantially increased in volume, and/or any source of wastewater that has changed in nature.

IV. ANTICIPATED NONCOMPLIANCE

The Discharger shall give notice to the District at least 30 days prior to any planned changes in the permitted facility or activity, which may result in noncompliance with the requirements in this permit.

V. HAZARDOUS AND NON-SEWERABLE WASTES

Solids, sludge, filter backwash, non-sewerable wastewater, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with all applicable state, federal and local laws. Spent chemical solutions, and any toxic or hazardous wastes shall be either disposed of at an authorized site by a properly licensed hazardous waste hauler, or recycled by a properly licensed recycler. No discharge of untreated spent chemical solutions and/or hazardous wastes to the public sewer is permitted.

VI. SPILL PROTECTION

The Discharger shall provide adequate protection including, but not limited to, secondary containment for all hazardous chemicals, hazardous waste and non-sewerable wastes which are stored in areas where potential spills could reach the facility's floor drains.

VII. OPERATIONS AND MAINTENANCE

The Discharger shall properly operate and maintain all pretreatment facilities that were installed or used to achieve compliance with this permit.

VIII. FLOW METER(S)

The Discharger shall maintain, in good and accurate condition, the flow meter(s) used to totalize the volume of wastewater discharged to the sanitary sewer. As part of the maintenance program the flow meter(s) shall be calibrated, at least twice a year.

IX. PRETREATMENT SYSTEM

The Discharger shall maintain the pretreatment system in proper operating condition to insure compliance with the local discharge limitations. The influent to the pretreatment system shall be limited to groundwater from recovery wells and purge water from monitoring wells. The discharge rate to the sanitary sewer shall not exceed 45 gallons per minute unless prior written approval is obtained from the City of Pleasanton.

X. ACTIVATED CARBON

Each time breakthrough of the first activated carbon unit is detected, the Discharger shall have the spent carbon unit replaced. Written documentation of the off-haul of the spent carbon unit shall be submitted to the District as part of the monthly report required under Part 4, Section IV of this permit.

XI. RECORDS/LOGS

The Discharger shall maintain logs and records of all data pertaining to the operations and maintenance activities implemented for the purpose of achieving compliance with this permit. Such documentation shall include, but not limited to, records/logs for calibrations, spent chemical bath solutions, flow data, water usage data, chemical dose rates, routine maintenance of equipment, routine treatment process checks, analyses and process changes, as they pertain to the process wastewaters discharged from the facility.

XII. RECORDS RETENTION

The Discharger shall retain all records pertaining to the requirements set forth in this permit including, but not limited to, effluent sampling and analysis data, reports, calibration and maintenance records, logs, all original strip chart recordings for continuous monitoring instruments and receipts for off-haul of hazardous and non-sewerable wastes for a period of three (3) years.

These records shall be made available to officials of the EPA, State and the District or their authorized representatives.

In addition, all records pertaining to any investigation or enforcement action brought by the EPA, State or the District shall be retained for a minimum of three (3) years from the date of the conclusion of the investigation or enforcement action.

XIII. PERMIT MODIFICATIONS

The District reserves the right to revise this permit if deemed necessary to comply with objectives presented in the District Code. No revision of the limitations or requirements hereunder shall subject the District to civil liability or penalty for interference with a

vested right of the Discharger. This permit may be modified only by the District.

XIV. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the District must contain the following certification statement followed by the signature and title of the officer representing the Discharger and the date the document was signed:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

XV. CONFIDENTIALITY

The Discharger may request that documents submitted to the District, which may disclose restricted information or restricted processes, to be kept confidential and **not** available to the public. However, these documents shall be available upon request to other governmental agencies in affiliation with the EPA Pretreatment Program and/or the National Pollutant Discharge Elimination System (NPDES). In addition, these documents shall be made available in enforcement procedures by the District, Federal and/or the State or state agency implicating the Discharger.

Pretreatment records such as reports, questionnaires/permit applications, permits, inspection reports, violation notices, enforcement actions, wastewater flow and effluent data shall not be considered confidential.

XVI. TRANSFERABILITY

This Industrial Wastewater Discharge Permit is non-transferable and valid only to the industry and owner to whom it is originally issued. Transfer of ownership, changes to any industrial processes, or a significant change of wastewater quality shall void the permit.

XVII. ENFORCEMENT

Sections 7.3.55 and 7.3.59 of the District Code provide that any Discharger who violates a permit condition is subject to civil penalties not to exceed Twenty Five Thousand Dollars (\$25,000) for each day of such violations. Any person who willfully or negligently

violates permit conditions is subject to criminal penalties of a fine not to exceed One Thousand Dollars (\$1,000) per day of violation, or by imprisonment in the county jail not to exceed six (6) months, or both. The Discharger may also be subject to sanctions under State and/or Federal Law.

In addition to civil and criminal liability, the Discharger violating any of the provisions of this permit or Chapter 7 of the District Code or causing damage to or otherwise inhibiting the District's wastewater disposal system shall be liable to the District for any expense, loss, or damage caused by such violation or discharge. The District shall bill the Discharger for the costs incurred by the District for any cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs shall constitute a separate violation of Section 7.3.55(E) of the District Code.

XVIII. DUTY TO REAPPLY

If the activities regulated by this permit are planned, or anticipated, to be continued after the expiration date of this permit, the Discharger must submit a written request for the issuance of a new permit at least thirty (30) days prior to the expiration date of this permit.

XIX. CONTINUATION OF EXPIRED PERMITS

An expired permit shall continue to be effective and enforceable until a new permit has been reissued if:

- a. The Discharger has submitted a completed permit application **at least 30 days** prior to the expiration of the Discharger's current permit.
- b. The failure to reissue the new permit, prior to the expiration of the previous permit, is not due to any act or failure to act on the part of the Discharger.

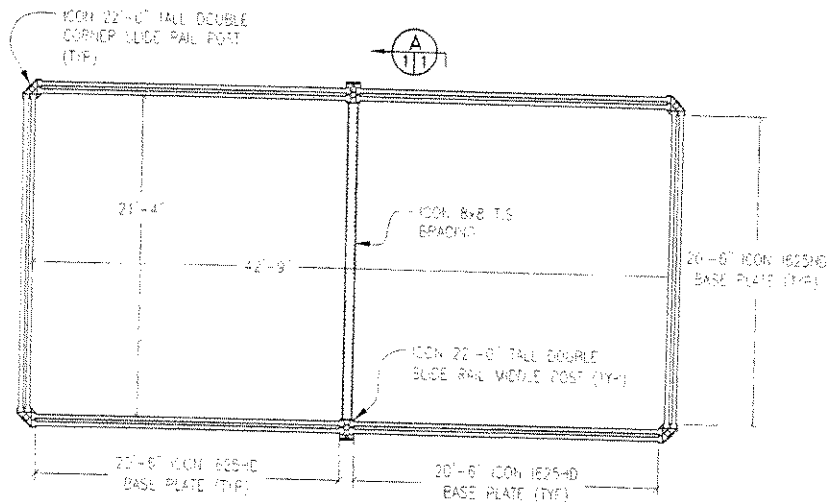
XX. ANNUAL PUBLICATION

As required by the Federal Pretreatment Regulations (40 CFR 403.8(f)(2)(vii)) the District shall comply with the public participation requirements of 40 CFR Part 25. Subsequently, any industrial/commercial user determined to be in "Significant Noncompliance" with applicable pretreatment requirements at any time during the last twelve (12) months shall be published in the largest newspaper circulated in the District's service area. Appendix C defines the criteria used to determine "Significant Noncompliance".

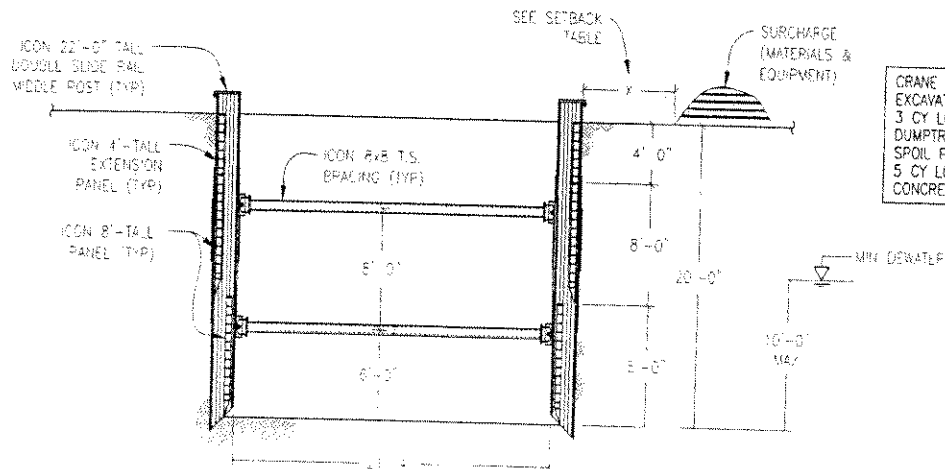
EXCAVATION SHORING PLAN
 DOLAN TRUST SOIL & GROUNDWATER REMEDIATION
 6393 SCARLETT COURT
 DUBLIN, CA
 MARCOR REMEDIATION INC.

NOTES:

- TABULATED DATA FOR SLIDE RAIL SYSTEM TO BE USED SHALL BE PROVIDED AT THE JOBSITE.
- MANUFACTURER'S TABULATED DATA APPLIES EXCEPT AS NOTED HERE.
- PROVIDE ACCESS AND BARRICADING PER OSHA REQUIREMENTS.
- SHORING MUST BE PROPERLY INSTALLED PRIOR TO WORKERS ENTERING EXCAVATION.
- SLIDE RAIL SYSTEM SHALL BE ICON SLIDE RAIL SYSTEM, OR APPROVED EQUAL.
- ALL STEEL BEAMS USED FOR PILES, WALES AND STRUTS SHALL BE IN GOOD CONDITION AND SHALL BE FREE OF ANY HOLES OR VISUAL DEFECTS IN THE FLANGES AND WEBS, UNLESS APPROVED IN WRITING BY THE SHORING ENGINEER.
- ALL VOIDS BETWEEN THE EXCAVATED SOIL AND THE FACE OF THE SHORING SYSTEM MEASURED GREATER THAN SIX INCHES MUST BE BACKFILLED WITH EXCAVATED SOIL OR OTHER APPROVED BACKFILL PRIOR TO WORKERS ENTERING THE EXCAVATION. FOR EXCAVATIONS ADJACENT TO TRAFFIC LOADING, ALL VOIDS SHALL BE BACKFILLED WITH SAND OR CLASS II AGGREGATE BASE MATERIAL.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING A DEWATERING SYSTEM, IF NECESSARY, AND VERIFYING THAT THE GROUNDWATER LEVEL BEHIND THE SHORING WALLS HAS BEEN LOWERED AT LEAST TO THE MINIMUM LEVEL SHOWN ON THE SECTION VIEW. IF CONTRACTOR IS UNABLE TO LOWER THE GROUNDWATER TO THE LEVEL SHOWN, CONTACT THE SHORING ENGINEER TO CHECK IF THE HIGHER LEVEL IS ACCEPTABLE OR TO REDESIGN THE SHORING SYSTEM, IF NECESSARY.
- D.H. CHARLES ENGINEERING, INC. WILL NOT SUPERVISE, DIRECT, CONTROL OR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS AND REGULATIONS APPLICABLE TO THE FURNISHING OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL VERIFY THAT REQUIRED CLEARANCES ARE OBTAINED PRIOR TO COMMENCEMENT OF THE WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING THE EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS FOR BOTH EXISTING AND PROPOSED WORK.



PLAN VIEW
 SCALE: 1/8"=1'-0"



SECTION A-A
 SCALE: 1/8"=1'-0"

SETBACK TABLE

CRANE TO 30 TON	X = 8'
EXCAVATOR	X = 6'
3 CY LOADER	X = 4'
DUMPTRUCK	X = 4'
SPOIL PILE	X = 4'
5 CY LOADER	X = 5'
CONCRETE TRUCK	X = 10'

REVISIONS

NO.	DATE

EXCAVATION SHORING PLAN
 DOLAN TRUST SOIL &
 GROUNDWATER REMEDIATION
 6393 SCARLETT COURT
 DUBLIN, CA
 MARCOR REMEDIATION INC.

MARCOR REMEDIATION, INC.

2005 EDISON AVENUE
 SAN LEANDRO, CA 94577
 TEL: (910) 832-9440
 FAX: (910) 832-9303



D.H. CHARLES ENGINEERING, INC.
 4371 Montgomery Drive, Suite B
 Santa Rosa, CA 95409
 Ph: (707) 537-8292 Fax: (707) 537-4338

DATE: 11-14-05

DRAWN BY: JRR

CHECKED BY: RJG

SHEET 1 OF 1

DRAWING NO. 05A-435

REV 0



4527 Montgomery Dr., Suite M
 Santa Rosa, CA 95409
 (707) 537-8282 (Office)
 (707) 537-8338 (Fax)

Excavation Shoring Design

Dolan Trust Remediation, Dublin CA

Marcor Remediation Inc.

Sheet 1 of 3

Date: 11/10/05

Revision: 0

Job No.: 05A-435

Excavation Shoring Design – Soil and Groundwater Remediation:

Contractor to excavate a 20' x 40' x 20'-deep pit for remediation work. The pit will be shored with ICON slide rail system.

$$H_{max} = 20'$$

Soil Pressures

Per the borelogs in the geotechnical report prepared by Kleinfelder and dated 6/13/05, the top 20' of soil consists primarily of a stiff to very stiff fat clay with some layers of loose silty sand near the top. Groundwater varied from 8.5' to 13' below grade. Specify dewatering to at least 10' for the shoring design.

Design the shoring using a stiff clay in accordance with Caltrans Trenching & Shoring Manual:

$$\text{Equivalent } K_a = 0.30$$

$$\gamma = 110 \text{ pcf}$$

$$P_a = 0.8K_a\gamma H$$

↑
Trapezoidal pressure distribution for braced excavations

$$P_{a1} = (0.8)(0.30)(110 \text{ pcf})(10') = 264 \text{ psf}$$

$$P_{a2} = 264 + (0.8)(0.30)(110 \text{ pcf} - 62.4 \text{ pcf})(10') = 378 \text{ psf}$$

Construction Surcharge:

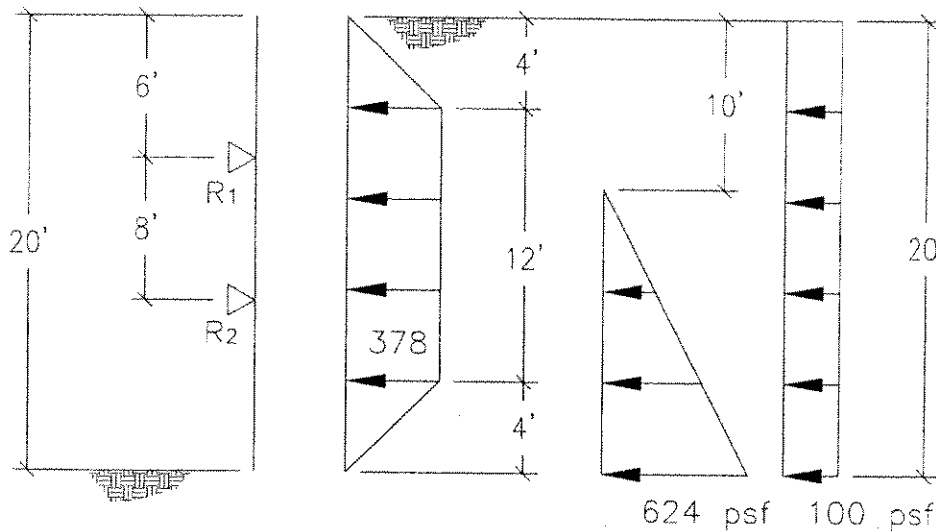
$$P_s = 100 \text{ psf} \quad (\text{based on D.H. Charles Engineering Setback Table})$$

Groundwater:

$$P_{gw} = (20' - 10')(62.4) = 624 \text{ psf}$$

$$0.2H = (0.2)(20') = 4'$$





Check Slide Rail Panels

Check pressures at 4' above cut, where the active soil pressure is maximum and also at bottom of cut where the groundwater pressure is maximum

$$P_1 = 378 \text{ psf} + 100 \text{ psf} + (10' - 4')(62.4) = 852 \text{ psf}$$

$$P_2 = 0 \text{ psf} + 100 \text{ psf} + 624 \text{ psf} = 724 \text{ psf}$$

$$P_{\text{max}} = 852 \text{ psf}$$

Per the attached tabulated data, the ICON slide rail panels have the following allowable pressure ratings (note that pressure ratings for 4'-tall panels are identical to those for 8'-tall at same length):

Size	Plate	Allow. Pressure	Max Pressure	
8x20.5	I625HD	1063 psf	> 852 psf	OK

★★ICON slide rail panels are adequate for the shoring application.



4527 Montgomery Dr., Suite M
Santa Rosa, CA 95409
(707) 537-8282 (Office)
(707) 537-8338 (Fax)

Excavation Shoring Design

Dolan Trust Remediation, Dublin CA

Marcor Remediation Inc.

Sheet 3 of 3

Date: 11/10/05

Revision: 0

Job No.: 05A-435

Check Vertical Rails:

Input the loading diagram from previous page into RISA 3D to obtain the following:
(Filename: R5-MRI-1)

$$R_1 = 3.0 \text{ kip/ft}$$

$$R_2 = 8.2 \text{ kip/ft}$$

$$M_{\max} = 13.9 \text{ k-ft/ft}$$

$$V_{\max} = 4.6 \text{ kip/ft}$$

Tributary width to the middle rail = 21'

$$M = (13.9^{\text{k-ft}})(21') = 292^{\text{k-ft}}$$

$$V = (4.6)(21) = 97^{\text{k}}$$

Per the attached tabulated data, the ICON double slide rail middle posts have the following allowable moment and shear capacities:

$$M_{\text{allow}} = 311.5^{\text{k-ft}} > 292^{\text{k-ft}} \quad \text{OK}$$

$$V_{\text{allow}} = 170^{\text{k}} > 97^{\text{k}} \quad \text{OK}$$

★★ICON double slide rail posts are adequate for this application

Check 8x8 Struts

$$P_{\max} = (8.3 \text{ klf})(21') = 174^{\text{k}}$$

$$L_{\max} = 22.97'$$

Per the attached tabulated data, the TS8x8x1/2 ICON spreaders have the following allowable load rating at a length of 22.97'

$$P_{\text{allow}} = 226^{\text{k}} > 174^{\text{k}} \quad \text{OK}$$

★★TS8x8 struts are adequate to brace middle rails

-END-

PREPARED BY: RAYMOND E. PRYMUS P.C.

FOR: ICON EQUIPMENT DISTRIBUTORS

TABULATED DATA OF ALLOWABLE LOADS
 FOR ICON SHEETING SYSTEM

TABLE "D":	SHORING BASE PLATES				ALLOWABLE SOIL PRESSURE	
	CAT. NO.	PLATE NO.	L FT.	H FT.	W IN.	ASTM 572, GR 50 PSF
ECONO PLATE	I45E	14.76	7.83	4.00	1,216	
STD PLATE	I45S	14.76	7.83	5.00	1,714	
HD PLATE	I45HD	14.76	7.83	5.00	2,051	
XHD PLATE	I45XHD	14.76	7.83	5.00	2,617	
ECONO PLATE	I50E	16.40	7.83	4.00	985	
STD PLATE	I50S	16.40	7.83	5.00	1,388	
HD PLATE	I50HD	16.40	7.83	5.00	1,661	
XHD PLATE	I50XHD	16.40	7.83	5.00	2,120	
ECONO PLATE	I55E	18.04	7.83	4.00	814	
STD PLATE	I55S	18.04	7.83	5.00	1,147	
HD PLATE	I55HD	18.04	7.83	5.00	1,373	
XHD PLATE	I55XHD	18.04	7.83	5.00	1,752	
ECONO PLATE	I625E	20.51	7.83	4.00	631	
STD PLATE	I625S	20.51	7.83	5.00	889	
HD PLATE	I625HD	20.51	7.83	5.00	1,063	
XHD PLATE	I625XHD	20.51	7.83	5.00	1,357	

NOTES:

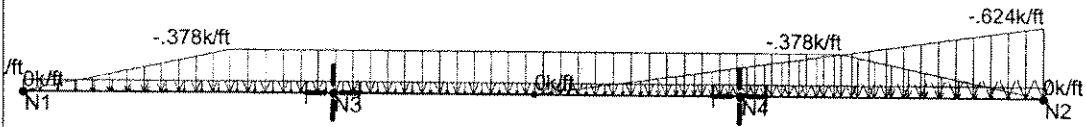
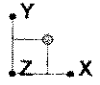
- EXTENSION PLATES (H = 4.00 FT. OR 8.00 FT.) HAVE THE SAME SOIL PRESSURE CAPACITY AS THE BASE PLATES. *
- THE ALLOWABLE SOIL PRESSURES INCLUDE 33 1/3% OVERSTRESS FOR TEMPORARY USE.
- THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING IN NEW CONDITION WITH NO REPAIRS.

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N. J. Professional
 Engineer License 43352

11-19-03



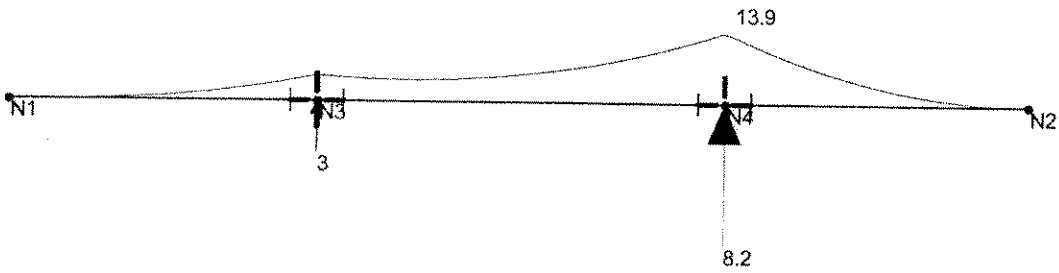
Loads: LC 1, total load
 Results for LC 1, total load

D.H. Charles Engineering
 Randy Girouard

Double Middle Rail

 Loading Diagram

Nov 10, 2005 at 3:42 PM
 R5-MRI-1.r3d



Results for LC 1, total load
Member z Bending Moments (k-ft)
Reaction units are k and k-ft

D.H. Charles Engineering

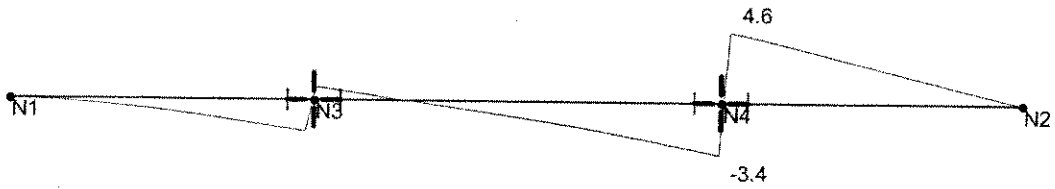
Randy Girouard

Double Middle Rail

Reactions and Moment Diagram

Nov 10, 2005 at 3:42 PM

R5-MRI-1.r3d



Results for LC 1, total load
Member y Shear Forces (k)

D.H. Charles Engineering
Randy Girouard

Double Middle Rail

Shear Diagram

Nov 10, 2005 at 3:54 PM

R5-MRI-1.r3d

PREPARED BY: RAYMOND E. PRYMUS P.C.

FOR: ICON EQUIPMENT DISTRIBUTORS

TABULATED DATA OF ALLOWABLE LOADS
 FOR ICON SHEETING SYSTEM

TABLE "F":	SLIDE RAIL SECTIONS	ASTM 572, GR 50 STEEL	
		Mr	Vr
RAIL SECTION		K-FT.	KIPS
	STANDARD SINGLE SLIDE RAIL	SSR	86.9 91.7
	CORNER SINGLE SLIDE RAIL	CSSR	69.9 64.2
*	STANDARD DOUBLE SLIDE RAIL	DSR	311.5 170.0
	CORNER DOUBLE SLIDE RAIL	CDSR	216.5 103.3
	HEAVY DUTY DOUBLE SLIDE RAIL	HDDSR	385.8 176.7
	EXTRA HEAVY DUTY DOUBLE SLIDE RAIL	XHDDSR	469.2 183.3

NOTES:

- EXTENSION PLATES (H = 4.00 FT. OR 8.00 FT.) HAVE THE SAME SOIL PRESSURE CAPACITY AS THE BASE PLATES.
- THE ALLOWABLE LOADS INCLUDE 33 1/3% OVERSTRESS FOR TEMPORARY USE.
- THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING IN NEW CONDITION WITH NO REPAIRS.



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 PERMISSION OF RAYMOND E. PRYMUS P.C.

N. J. Professional
 Engineer License 43352

11/12/03

PREPARED BY: RAYMOND E. PRYMUS P.C.

FOR: ICON EQUIPMENT DISTRIBUTORS

TABULATED DATA OF ALLOWABLE LOADS
 FOR ICON SHEETING SYSTEM

TABLE "E": TS 8 x 8 X 1/2

EXT. LENGTH	TRENCH WIDTH BETWEEN SLIDE RAILS	(GRADE 50 STEEL)		
		Fa		Pr
FT.	FT.	KSI		KIPS
1.64	3.10	29.17		420.1
3.28	4.74	28.56		411.3
4.92	6.38	27.87		401.3
6.56	8.02	27.10		390.2
8.20	9.66	26.25		378.1
9.84	11.30	25.34		364.9
11.48	12.94	24.36		350.8
13.12	14.58	23.32		335.8
14.76	16.22	22.21		319.9
16.40	17.86	21.04		303.0
18.04	19.50	19.82		285.3
19.69	21.14	18.53		266.8
21.33	22.78	17.17		247.3
22.97	24.42	15.75		226.8
24.61	26.06	14.26		205.4
26.25	27.71	12.71		183.0
27.89	29.35	11.31		162.9

MAXIMUM ALLOWABLE TENSION ON SLIDE RAIL BRACING = 52.9 KIPS

NOTES:

1. THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING IN NEW CONDITION WITH NO REPAIRS.

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N. J. Professional Engineer License 43352

11/19/03

Appendix B

Blaine Tech Services, Inc.
Repair Data Sheet

Repair Data Sheet

Client Blymyer Engineers Inc Date 11-1-05
 Site Address 6393 Scarlett Ct, Dublin
 Job Number 051101AA1 Technician Andrew Adinolfi

Inspection Point (Well ID or description of location)	Well Inspected, Cleared, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										Well Not Inspected (explain in notes)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency					
MW-7																		X	
Notes: Reduced casing height 2.60, replaced wellbox																			
Notes:																			
Notes:																			
Notes:																			
Notes:																			

Appendix C

**Zone 7 Water Agency,
Alameda County Flood Control and Water Conservation District,
Drilling Permits**



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551

PHONE (925) 454-5000

November 29, 2005

RECEIVED

DEC 07 2005

BLYMYER ENGINEERS, INC.

Mr. Mark Detterman
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Dear Mr. Detterman:

Enclosed are drilling permits 25202 to 25204 for a contamination investigation at 6393 Scarlett Court in Dublin for the Estate of Michael Dolan. A description of work for each is listed below:

<u>Permit</u>	<u>Type of Project</u>	<u>No. of borings/wells</u>
25202	Well destruction (excavation)	1 monitoring
25203	Well construction (tank backfill)	2 monitoring
25204	Remediation borings (direct push)	25 borings

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056.

Sincerely,

Wyman Hong
Water Resources Specialist

Enc.



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Dolan Trust Property
6373 Sycamore Ct.
Dublin, CA

California Coordinates Source _____ Accuracy ± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-0550-013-04

CLIENT
Name Shahid, Michael Dolan / o/m: Neal Filipovick
Address 3215 Dana Park Dr. Phone 925/946-1326
City Walnut Creek, CA Zip 94598

APPLICANT
Name Blymyer Engineers, Inc.
c/o Mark Detamunon Fax 510/365-2594
Address 1827 Clement Ave. Phone 510/521-3773
City Alameda, CA Zip 94501

TYPE OF PROJECT:
Well Construction Geotechnical Investigation
Well Destruction Contamination Investigation
Cathodic Protection Other _____

PROPOSED WELL USE:
Domestic Irrigation
Municipal Remediation
Industrial Groundwater Monitoring
Dewatering Other _____

DRILLING METHOD:
Mud Rotary Air Rotary Hollow Stem Auger
Cable Tool Direct Push Other _____

DRILLING COMPANY NA - Destruction by Remediation
DRILLER'S LICENSE NO. _____

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth 20 ft.
Surface Seal Depth _____ ft. Number 1

SOIL BORINGS:
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 11/30/05
ESTIMATED COMPLETION DATE 12/2/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S
SIGNATURE Mark Eng... Date 11/18/05

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 25202
WELL NUMBER 3S/1E-6F11 (MW-2)
APN 941-0550-013-04

PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS
 1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.
- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION. See attached.
- G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 11/28/05
Wyman Hong

November 28, 2005

**Zone 7
Water Resources Engineering
Groundwater Protection Ordinance**

**Estate of Michael Dolan
6393 Scarlett Court
Dublin
Well 3S/1E-6F11
Permit 25202**

Destruction Requirements

1. Sound the well as deeply as practicable and record for your report.
2. Remove the entire well casing, surface seal and gravel pack by excavation.

These destruction requirements as proposed by Mark Detterman of Blymyer Engineers, Inc. meet or exceed Zone 7 minimum requirements.



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Dolan Trust Property
6393 Seaside Ct.
Dublin, CA

PERMIT NUMBER 25203
WELL NUMBER 3S/1E-6F42 & 6F43
APN 941-0550-013-04

California Coordinates Source _____ Accuracy ± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-0550-013-04

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Robert Michael Dolan / Michael Fitzpatrick
Address 3215 Green Park Dr. Phone 925/746-9824
City Walnut Creek, CA Zip 94598

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name Blumeyer Engineers, Inc.
c/o Mark Detemmer Fax 510/265-2594
Address 1929 Clarendon Ave. Phone 510/521-3773
City Alameda, CA Zip 94501

- B. WATER SUPPLY WELLS**
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:
Well Construction Geotechnical Investigation
Well Destruction Contamination Investigation
Cathodic Protection Other _____

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

PROPOSED WELL USE:
Domestic Irrigation
Municipal Remediation
Industrial Groundwater Monitoring
Dewatering Other _____

- D. GEOTECHNICAL.** Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Mud Rotary Air Rotary Hollow Stem Auger
Cable Tool Direct Push Other _____

- E. CATHODIC.** Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY N/A - Tank backfill construction
DRILLER'S LICENSE NO. _____

- F. WELL DESTRUCTION.** See attached.

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 5 ft. Number 2

- G. SPECIAL CONDITIONS.** Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

SOIL BORINGS:
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 11/30/05
ESTIMATED COMPLETION DATE 12/2/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] Date 11/18/05

Approved [Signature] Date 11/28/05
Wyman Hong

ATTACH SITE PLAN OR SKETCH



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Dolan Trust Property
6393 Searsville St.
Dublin, CA

PERMIT NUMBER 25204
WELL NUMBER _____
APN 941-0550-013-04

California Coordinates Source _____ Accuracy ± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-0550-013-04

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Robert D. Michael Dolan 9/0 Michael F. Byrns
Address 3245 Deer Park Dr. Phone 925/946-9326
City Walnut Creek, CA Zip 94598

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name Blymeyer Engineers Inc.
9400 Mark Dr. Fax 510/965-2514
Address 1829 Chabot Ave. Phone 510/521-3773
City Alameda, CA Zip 94501

B. WATER SUPPLY WELLS

1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:

Well Construction Geotechnical Investigation
 Well Destruction Contamination Investigation
 Cathodic Protection Other Remediation Wells

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

PROPOSED WELL USE:

Domestic Irrigation
 Municipal Remediation
 Industrial Groundwater Monitoring
 Dewatering Other _____

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:

Mud Rotary Air Rotary Hollow Stem Auger
 Cable Tool Direct Push Other _____

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY

DRILLER'S LICENSE NO. Resonant Sonic
CEP-302334

F. WELL DESTRUCTION. See attached.

WELL SPECIFICATIONS:

Drill Hole Diameter _____ in. Maximum _____
 Casing Diameter _____ in. Depth _____ ft.
 Surface Seal Depth _____ ft. Number _____

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

OIL BORINGS:

Number of Borings 25 Maximum _____
 Hole Diameter 1.25 in. Depth 30 ft.

ESTIMATED STARTING DATE 12/15/05
ESTIMATED COMPLETION DATE 01/15/06

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] Date 11/28/05

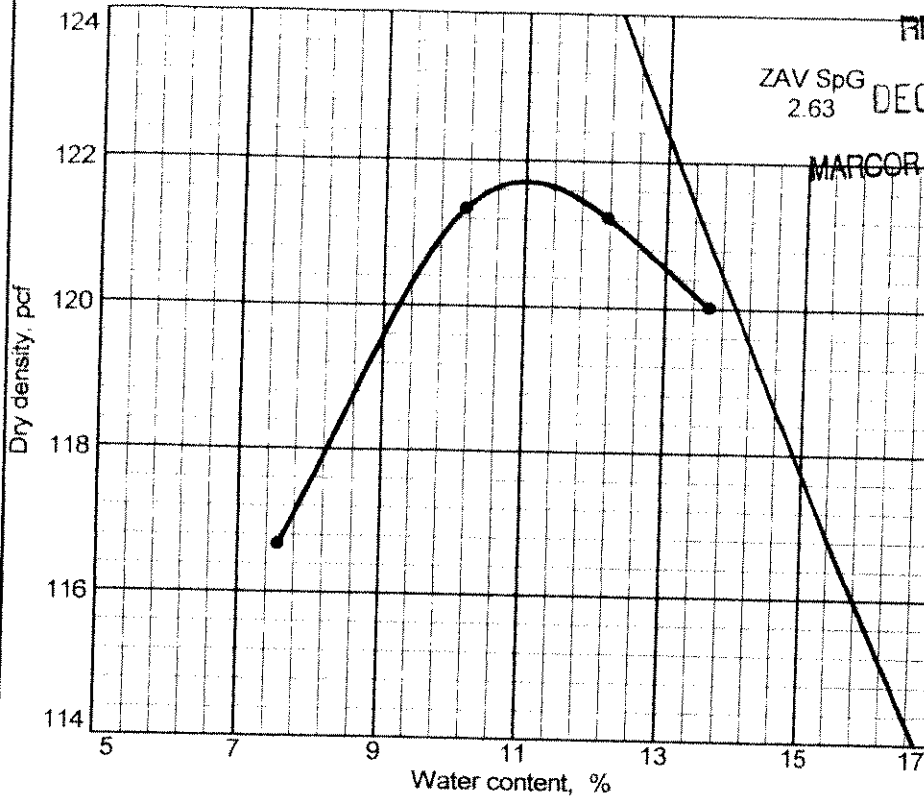
Approved [Signature] Date 11/28/05
Wyman Hong

ATTACH SITE PLAN OR SKETCH

Appendix D

**Compaction Test Report and
Daily Field Report Density Testing**

COMPACTION TEST REPORT



RECEIVED

ZAV SpG
2.63

DEC 22 2005

Curve No.

1

MARCOR Report No. 95

Test Specification:
ASTM D 1557-91 PROCEDURE C
MODIFIED

Hammer Wt.: 10 lb.
Hammer Drop: 18 in.
Number of Layers: five
Blows per Layer: 56
Mold Size: .075 cu.ft.

Test Performed on Material
Passing 3/4 in. Sieve

Soil Data
NM _____ Sp.G. _____
LL _____ PI _____
%>3/4 in. _____ %<#200 _____
USCS _____ AASHTO _____

TESTING DATA

	1	2	3	4	5	6
WM + WS	4269.0	4547.0	4626.0	4639.0		
WM	0.0	0.0	0.0	0.0		
WW + T #1	4269.00	4547.00	4626.00	4639.00		
WD + T #1	3969.00	4128.00	4124.00	4083.00		
TARE #1	0.00	0.00	0.00	0.00		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	7.6	10.2	12.2	13.6		
DRY DENSITY	116.7	121.3	121.2	120.0		

TEST RESULTS

Maximum dry density = 121.7 pcf
Optimum moisture = 11.0 %

Material Description

GRAY RECYCLED AB

Project No. 98491 Client: MARCOR
Project: DOLAN TRUST, 6393 SCARLETT CT., DUBLIN

Remarks:
ASM/BR, 12-13-05

● Location: ON-SITE

COMPACTION TEST REPORT

CONSTRUCTION MATERIALS TESTING INC.

Plate

CMT, INC. DAILY FIELD REPORT

JOB NO. or P.O. NO.
98491
PAGE **1** OF **1**

RECEIVED

PROJECT NAME Dolan Trust	CLIENT OR OWNER Marcor	DAILY FIELD REPORT SEQUENCE NO. 2	
GENERAL LOCATION OF WORK 6393 Scarlett Ct	OWNER OR CLIENT'S REPRESENTATIVE Tim Rylett	DATE DEC 22 2005	DAY OF WEEK Wednesday
GENERAL CONTRACTOR Dublin	GRADING CONTRACTOR Same	PROJECT ENGINEER ASH/OS	
TYPE OF WORK Tra Pit Backfill	CONTRACTOR'S SUPERINTENDENT OR FOREMAN ✓	SUPERVISOR	
SOURCE AND DESCRIPTION OF FILL MATERIAL stockpiles	(IMPORT OR SITE) ○	WEATHER PT CLDY	TECHNICIAN A. MORAN
DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, AND COMPACTING 1 loader 1 vib Sheepsfoot 1 Hose			

TEST NUMBER	TEST LOCATION	ELEV (feet)	FIELD TESTING			REFERENCE CURVE			COMMENTS
			DRY DENSITY lbs/cu. ft.	MOISTURE CONTENT %	% OF MAXIMUM DRY DENSITY	COMP CURVE NO.	MAXIMUM DRY DENSITY lbs/cu. ft.	OPTIMUM MOISTURE CONTENT %	
1	SW Quarter	56-4'	115.7	12.9	95	1	121.7	11.0	UN 95%
2	SE	✓ -3'	115.3	12.4	95	1	✓	✓	
3	NW	✓ -2'	115.9	14.1	95	1	✓	✓	
4	SE	✓ -2'	115.2	12.7	95	1	✓	✓	
5	S	✓ -1'	116.6	11.4	96	1	✓	✓	
6	N	✓ -1'	115.4	13.0	95	1	✓	✓	
7	Center	56	115.5	11.2	95	1	✓	✓	

NOTES (Describe work completed during the day, any problems and their solutions)
 on site at request of Marcor to test pit backfill SW side of site near Scarlett Ct. Pit is approximately 40' x 40'. All tests indicate 95% compaction

TIME BILLED **6** HRS. NO. OF VISITS **1 ASM** TYPED REPORT YES NO CONTINUED

RECEIVED BY _____ COPY GIVEN TO _____

Appendix E

Soil Bore Logs and Well Construction Details

KEY TO BORE/WELL CONSTRUCTION LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		TYPICAL NAMES			
COARSE GRAINED SOILS <small>MORE THAN HALF IS LARGER THAN NO. 200 SIEVE</small>	GRAVEL <small>MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE</small>	CLEAN GRAVEL WITH LESS THAN 5% FINES	GW	WELL GRADED GRAVEL, GRAVEL-SAND MIXTURES	
		GRAVEL WITH OVER 12% FINES	GP	POORLY GRADED GRAVEL, GRAVEL-SAND MIXTURES	
		SAND <small>MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE</small>	CLEAN SAND WITH LESS THAN 5% FINES	SW	WELL GRADED SAND, GRAVELLY SAND
			SAND WITH OVER 12% FINES	SP	POORLY GRADED SAND, GRAVELLY SAND
	FINE GRAINED SOILS <small>MORE THAN HALF IS SMALLER THAN NO. 200 SIEVE</small>	SILT AND CLAY <small>LIQUID LIMIT LESS THAN 50</small>	ML	ML	INORGANIC SILT, ROCK FLOUR, SANDY OR CLAYEY SILT OF LOW PLASTICITY
			CL	CL	INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, OR SILTY CLAY (LEAN)
			OL	OL	ORGANIC SILT AND ORGANIC SILTY CLAY OF LOW PLASTICITY
		SILT AND CLAY <small>LIQUID LIMIT GREATER THAN 50</small>	MH	MH	INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOIL, ELASTIC SILT
CH			CH	INORGANIC CLAY OF HIGH PLASTICITY, GRAVELLY, SANDY OR SILTY CLAY (FAT)	
OH			OH	ORGANIC CLAY, ORGANIC SILT OF MEDIUM TO HIGH PLASTICITY	
HIGHLY ORGANIC SOILS		PT	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	

FILL MATERIALS

C		CONCRETE
F		FILL
A		ASPHALT

WELL CONSTRUCTION MATERIALS

CEMENT GROUT	
BENTONITE	
FILTER SAND	

SEE ABOVE FOR CONCRETE SYMBOL

SOIL CONSISTENCY FROM DRIVE SAMPLER

NON-COHESIVE SOILS*		COHESIVE SOILS*		UNCONFINED COMPRESSIVE STRENGTH TONS/SQ. FT.
SANDS & GRAVELS	BLOWS PER FOOT	SILTS AND CLAYS	BLOWS PER FOOT	
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 1/4
LOOSE	4 - 10	SOFT	2 - 4	1/4 - 1/2
MED. DENSE	10 - 30	MEDIUM STIFF	4 - 8	1/2 - 1
DENSE	30 - 50	STIFF	8 - 16	1 - 2
VERY DENSE	OVER 50	VERY STIFF	16 - 32	2 - 4
		HARD	OVER 32	OVER 4

* ≡ STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2-INCH O.D. (1-3/8-INCH I.D.) SPLIT BARREL SAMPLER 12 INCHES USING A 140-POUND HAMMER FALLING FREELY THROUGH 30 INCHES. THE SAMPLER IS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS ARE RECORDED FOR EACH 6-INCH INTERVAL. THE SUMMATION OF THE FINAL TWO INTERVALS IS THE STANDARD PENETRATION RESISTANCE.

SAMPLE INTERVAL SYMBOLS

	CORED/RECOVERED		CORED/RECOVERED/SAMPLED/ANALYZED
	CORED/ NO RECOVERY	N/A	NON APPLICABLE/NOT AVAILABLE
	CORED/RECOVERED/SAMPLED		



BLYMYER
ENGINEERS, INC.

Well Log: MW9

Hayward Properties, LLC
Former Crescent Trucks
2480 Whipple Road, Hayward, CA

Job Number: : 202016
Date Installed: : December 12, 2005
Logged By: : Mark Detterman
Installation Company: : Marcor Remediation, Inc.
Driller: : NA

Drilling Equipment: : Excavator
Sample Method: : NA
Soil Bore Diameter: : NA
Total Drilled Depth: : NA

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	SOIL GRAPHIC
0					Recycled concrete AB rock (from onsite)	GW	<p>Excavation Backfill Well</p> <p>Bolted and Locked Well Vault</p> <p>10-inch dia. casing</p> <p>Concrete</p> <p>Grout</p> <p>Bentonite</p> <p>4-inch diameter PVC casing</p> <p>Drain Rock</p>
1							
2							
3							
4							
5					Imported 3/4-inch Drain Rock.	GP	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20					Bottom of excavation: 20 feet		
21							
22							

Well Log: MW9



BLYMYER
ENGINEERS, INC.

Well Log: MW8

Hayward Properties, LLC
Former Crescent Trucks
2480 Whipple Road, Hayward, CA

Job Number: : 202016
Date Installed: : December 12, 2005
Logged By : Mark Detterman
Installation Company : Marcor Remediation, Inc.
Driller : NA

Drilling Equipment : Excavator
Sample Method : NA
Soil Bore Diameter : NA
Total Drilled Depth : NA

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	DESCRIPTION	USCS	SOIL GRAPHIC
0					Recycled concrete AB rock (from onsite)	GW	<p>Excavation Backfill Well</p> <ul style="list-style-type: none"> Bolted and Locked Well Vault 10-inch dia. casing Concrete Grout Bentonite 4-inch diameter PVC casing Drain Rock
1							
2							
3							
4							
5					Imported 3/4-inch Drain Rock.	GP	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20					Bottom of excavation: 20 feet		
21							
22							

Well Log: MW8

Appendix F

Well Survey

CSS Environmental Services, Inc.



CSS ENVIRONMENTAL SERVICES, INC.
Managing Cost, Scope and Schedule
100 Galli Drive, Suite 1
Novato, CA 94949
Telephone: (415) 883-6203
Facsimile: (415) 883-6204

Monitoring Well Survey Results

Blymyer Engineers, Inc.:Dublin
Site Address: 6393 Scarlett Court
Dublin, CA 94568
Global ID: TO600101601
CSS Job: 6306

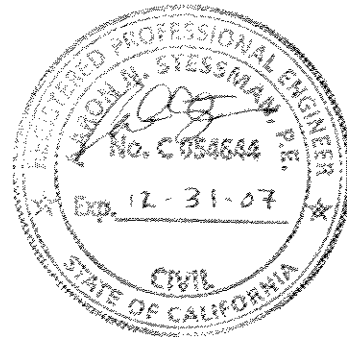
Units: Int. Feet
Coordinate System: North American Datum of 1983-CONUS (NAD83)
Height System: Ortho. Ht. Vertical Datum of 1988-GEOID99 (NAVD88)
Survey Date: 2/7/2006

Location Information:

MW-7
Coordinates: 37.7040577° -121.9080305°
Orthometric Height: 330.25 ft

MW-8
Coordinates: 37.7040944° -121.9079338°
Orthometric Height: 328.93 ft

MW-9
Coordinates: 37.7041537° -121.9079365°
Orthometric Height: 328.67 ft



Appendix G

**Blaine Tech Services, Inc.
Well Development
Standard Operating Procedures**

Blaine Tech Services, Inc.
Standard Operating Procedure

WELL DEVELOPMENT

Use Swab as a plunger to flush out debris from the slots of the screen. Run the Swab up and down through the entire screen interval. The recommended amount of time spent swabbing depends on the length of the screen, usually one minute per foot. If no screened interval is provided, then swab well for 15 minutes.

Using a stainless steel (1.75" diameter) pneumatic pump begin purging at 0.5 – 1.0 GPM. Place the pump near the well bottom and remove the accumulated sediment until the well bottom feels hard and clean. During purging, move pump up and down through the screen interval, continuing to agitate the pump until all the sediment is removed.

Take the required water quality parameter readings at each casing volume removed. At a minimum, water quality measurements include pH, temperature, electrical conductivity (EC), and turbidity (NTU). Measure Depth to Water (DTW) while purging to confirm the height of the water column. If the well begins to de-water, then the pump may have to be slowed or shut off until enough water recharges into the well. Make notes of the recharge rate. Remove the required number of casing volumes. At a minimum, remove at least 10 case volumes of purge-water. After the minimum volume of water has been purged and all the sediment has been removed from the well, take a final Total Depth measurement. If a required turbidity level must be reached, continue purging until the desired reading has been attained.

Appendix H

**Blaine Tech Services, Inc.
Well Development Field Forms
February 27, 2006**

WELL DEVELOPMENT DATA SHEET

Project #: <u>060227-572</u>	Client: <u>Blymyer</u>
Developer: <u>Justin S. Dennis</u>	Date Developed: <u>02/27/06</u>
Well I.D. <u>MW-8</u>	Well Diameter: (circle one) 2 3 <u>4</u> 6
Total Well Depth: Before <u>15.78</u> After <u>19.94</u>	Depth to Water: Before <u>2.38</u> After <u>2.45</u>
Reason not developed:	If Free Product, thickness:
Additional Notations: <u>Surged well 15 minutes prior to purging</u>	

Volume Conversion Factor (VCF): $(12 \times (d^2/4) \times \pi) / 231$ where 12 = in / foot d = diameter (in.) $\pi = 3.1416$ 231 = in ³ /gal	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Well dia.</th> <th style="text-align: left; border-bottom: 1px solid black;">VCF</th> </tr> <tr><td>2" =</td><td>0.16</td></tr> <tr><td>3" =</td><td>0.37</td></tr> <tr><td>4" =</td><td>0.65</td></tr> <tr><td>6" =</td><td>1.47</td></tr> <tr><td>10" =</td><td>4.08</td></tr> <tr><td>12" =</td><td>6.87</td></tr> </table>	Well dia.	VCF	2" =	0.16	3" =	0.37	4" =	0.65	6" =	1.47	10" =	4.08	12" =	6.87
Well dia.	VCF														
2" =	0.16														
3" =	0.37														
4" =	0.65														
6" =	1.47														
10" =	4.08														
12" =	6.87														

<u>8.7</u>	X	<u>10</u>	=	<u>87</u>	gallons.
1 Case Volume		Specified Volumes			

- Purging Device:
- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Bailer | <input type="checkbox"/> Electric Submersible |
| <input type="checkbox"/> Suction Pump | <input checked="" type="checkbox"/> Positive Air Displacement |

Type of Installed Pump _____
 Other equipment used 4' surge block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1230	62.4	9.5	2218	71000	8.7	very silty, gray
1240	63.0	9.5	2139	71000	17.4	" " "
1251	62.2	9.9	2252	71000	26.1	" " "
1302	62.1	9.5	2827	71000	34.8	" " "
1313	62.1	9.5	2677	71000	43.5	hard bottom
1322	61.0	9.8	2739	71000	52.2	silty, gray
1331	60.8	9.7	2781	71000	60.9	" "
1341	61.5	9.9	2786	71000	69.6	" "
1352	61.0	9.4	2857	71000	78.3	" "
1402	59.8	10.0	2897	351	87.0	cloudy
1412	59.0	10.0	2948	81	95.7	" cloudy clear
Did Well Dewater? <u>N</u>	If yes, note above.		Gallons Actually Evacuated:		<u>95.7</u>	

Appendix I

Keller Canyon Soil Disposal Documentation

20 loads - 12-29-05 - OK ~~80~~ 1-5-06

CONTRACTIVITY REPORT
 From: Dec 01, 2005 To: Jan 05, 2006
 Specified Contract: 204Y516751

Dolan - Dublin

01/05/2008 THU 11:34 FAX 209 9 1087 ALLIED WASTE

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
204Y516751						
29 Dec 05	571807-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	19.99 TN	0.00	0.00
29 Dec 05	571807-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571842-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	20.80 TN	0.00	0.00
29 Dec 05	571842-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571831-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.99 TN	0.00	0.00
29 Dec 05	571831-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571859-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.44 TN	0.00	0.00
29 Dec 05	571859-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571862-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.11 TN	0.00	0.00
29 Dec 05	571862-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571858-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.87 TN	0.00	0.00
29 Dec 05	571858-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571870-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.04 TN	0.00	0.00
29 Dec 05	571870-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571892-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	20.34 TN	0.00	0.00
29 Dec 05	571892-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571896-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	18.97 TN	0.00	0.00
29 Dec 05	571896-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571944-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.17 TN	0.00	0.00
29 Dec 05	571944-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571929-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.61 TN	0.00	0.00
29 Dec 05	571929-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571913-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	26.03 TN	0.00	0.00
29 Dec 05	571913-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571942-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.41 TN	0.00	0.00
29 Dec 05	571942-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571860-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	26.44 TN	0.00	0.00
29 Dec 05	571860-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571984-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.92 TN	0.00	0.00
29 Dec 05	571984-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571990-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.10 TN	0.00	0.00
29 Dec 05	571990-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	571998-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.80 TN	0.00	0.00
29 Dec 05	571998-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572025-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.96 TN	0.00	0.00
29 Dec 05	572025-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572033-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.85 TN	0.00	0.00
29 Dec 05	572033-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572027-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.20 TN	0.00	0.00

total
 37 loads 12-29-05 OK ~~80~~ 1-5-06
 20 loads 12-30-05 OK ~~80~~ 1-5-06
 31 loads 1-3-06
 33 loads 1-4-06

3 loads 12-30-05 - OK 1-5-05

CONTRACTIVITY REPORT
 From: Dec 01, 2005 To: Jan 05, 2006
 Specified Contract: 204Y618751

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
29 Dec 05	572027-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572054-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.51 TN	0.00	0.00
29 Dec 05	572054-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572051-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.90 TN	0.00	0.00
29 Dec 05	572051-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572048-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.15 TN	0.00	0.00
29 Dec 05	572048-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572055-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.68 TN	0.00	0.00
29 Dec 05	572055-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572065-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.67 TN	0.00	0.00
29 Dec 05	572065-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572067-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.92 TN	0.00	0.00
29 Dec 05	572067-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572105-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.32 TN	0.00	0.00
29 Dec 05	572105-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572087-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.96 TN	0.00	0.00
29 Dec 05	572087-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572089-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.95 TN	0.00	0.00
29 Dec 05	572089-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572116-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.92 TN	0.00	0.00
29 Dec 05	572116-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572135-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.92 TN	0.00	0.00
29 Dec 05	572135-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572122-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.36 TN	0.00	0.00
29 Dec 05	572122-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572143-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.48 TN	0.00	0.00
29 Dec 05	572143-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572146-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.09 TN	0.00	0.00
29 Dec 05	572146-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572130-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.03 TN	0.00	0.00
29 Dec 05	572130-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572139-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.56 TN	0.00	0.00
29 Dec 05	572139-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
29 Dec 05	572138-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.84 TN	0.00	0.00
29 Dec 05	572138-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572191-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.55 TN	0.00	0.00
30 Dec 05	572191-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572228-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.08 TN	0.00	0.00
30 Dec 05	572228-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572212-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.35 TN	0.00	0.00
30 Dec 05	572212-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00

01/05/2006 THU 11:34 FAX 209 78 1087 ALLIED WASTE

003/010

P. 03

TRA NU. (U)5185408

TRANSPORTATION

CONTRACTIVITY REPORT
 From: Dec 01, 2006 To: Jan 06, 2006
 Specified Contract: 204Y516751

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	BUing Quantity	Minimum Quantity	Maximum Quantity
30 Dec 05	572239-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.59 TN	0.00	0.00
30 Dec 05	572239-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572238-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	26.94 TN	0.00	0.00
30 Dec 05	572238-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572245-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.74 TN	0.00	0.00
30 Dec 05	572245-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572270-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	25.29 TN	0.00	0.00
30 Dec 05	572270-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572296-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	26.03 TN	0.00	0.00
30 Dec 05	572296-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572297-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	19.25 TN	0.00	0.00
30 Dec 05	572297-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572312-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	22.93 TN	0.00	0.00
30 Dec 05	572312-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572292-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.97 TN	0.00	0.00
30 Dec 05	572292-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572304-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.97 TN	0.00	0.00
30 Dec 05	572304-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572327-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.85 TN	0.00	0.00
30 Dec 05	572327-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572348-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.60 TN	0.00	0.00
30 Dec 05	572348-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572367-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	22.97 TN	0.00	0.00
30 Dec 05	572367-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572360-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.71 TN	0.00	0.00
30 Dec 05	572360-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572375-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	25.44 TN	0.00	0.00
30 Dec 05	572375-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572374-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.79 TN	0.00	0.00
30 Dec 05	572374-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572391-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.78 TN	0.00	0.00
30 Dec 05	572391-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572418-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	20.54 TN	0.00	0.00
30 Dec 05	572418-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572429-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	19.70 TN	0.00	0.00
30 Dec 05	572429-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572410-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.76 TN	0.00	0.00
30 Dec 05	572410-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572423-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.56 TN	0.00	0.00
30 Dec 05	572423-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572459-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.18 TN	0.00	0.00

01/05/2008 THU 11:34 FAX 209 98 1087 ALLIED WASTE

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P. 04 FAX NO. 707/585408

INTEGRATED TRANSPORTATION

14 loads - 1-3-06

CONTRACTIVITY REPORT
From: Dec 01, 2005 To: Jan 05, 2006
Specified Contract: 204Y516751

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
30 Dec 05	572459-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572461-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	22.52 TN	0.00	0.00
30 Dec 05	572461-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572512-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	17.47 TN	0.00	0.00
30 Dec 05	572512-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572479-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.85 TN	0.00	0.00
30 Dec 05	572479-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572496-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.86 TN	0.00	0.00
30 Dec 05	572496-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572483-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.23 TN	0.00	0.00
30 Dec 05	572493-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
30 Dec 05	572504-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.45 TN	0.00	0.00
30 Dec 05	572504-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572902-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.96 TN	0.00	0.00
3 Jan 06	572902-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572915-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	18.88 TN	0.00	0.00
3 Jan 06	572915-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572918-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.39 TN	0.00	0.00
3 Jan 06	572918-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572926-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.54 TN	0.00	0.00
3 Jan 06	572926-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572953-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	25.24 TN	0.00	0.00
3 Jan 06	572953-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572950-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	20.48 TN	0.00	0.00
3 Jan 06	572950-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572972-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	22.88 TN	0.00	0.00
3 Jan 06	572972-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572965-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	23.03 TN	0.00	0.00
3 Jan 06	572965-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572964-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	22.53 TN	0.00	0.00
3 Jan 06	572964-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572976-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	26.15 TN	0.00	0.00
3 Jan 06	572976-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	572997-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.70 TN	0.00	0.00
3 Jan 06	572997-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573020-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	20.67 TN	0.00	0.00
3 Jan 06	573020-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573033-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	24.18 TN	0.00	0.00
3 Jan 06	573033-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573039-00	006044-0000	-INTRINSIC TR/ CLASS II SOIL	21.82 TN	0.00	0.00
3 Jan 06	573039-01	006044-0000	-INTRINSIC TR/ ENVIRONMENTAL FEE	1.00 LD	0.00	0.00

SA Jan-05-06

FORWARD INC

01/05/2008 THU 11:34 FAX 209 9 1087 ALLIED WASTE

48003/040

4 loads 1-4-06

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
3 Jan 06	573069-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	26.12 TN	0.00	0.00
3 Jan 06	573069-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573076-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	28.32 TN	0.00	0.00
3 Jan 06	573076-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573096-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.72 TN	0.00	0.00
3 Jan 06	573096-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573098-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	18.30 TN	0.00	0.00
3 Jan 06	573098-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573100-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	26.32 TN	0.00	0.00
3 Jan 06	573100-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573122-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.20 TN	0.00	0.00
3 Jan 06	573122-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573090-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.63 TN	0.00	0.00
3 Jan 06	573090-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573123-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.26 TN	0.00	0.00
3 Jan 06	573123-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573138-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.50 TN	0.00	0.00
3 Jan 06	573138-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573144-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.56 TN	0.00	0.00
3 Jan 06	573144-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573176-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.68 TN	0.00	0.00
3 Jan 06	573176-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573181-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.28 TN	0.00	0.00
3 Jan 06	573181-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573184-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	29.43 TN	0.00	0.00
3 Jan 06	573184-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573174-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.97 TN	0.00	0.00
3 Jan 06	573174-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573175-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.83 TN	0.00	0.00
3 Jan 06	573175-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573198-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	28.15 TN	0.00	0.00
3 Jan 06	573198-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
3 Jan 06	573194-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.68 TN	0.00	0.00
3 Jan 06	573194-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573235-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.22 TN	0.00	0.00
4 Jan 06	573235-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573248-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.42 TN	0.00	0.00
4 Jan 06	573248-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573270-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.86 TN	0.00	0.00
4 Jan 06	573270-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573282-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.90 TN	0.00	0.00
4 Jan 06	573282-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
4 Jan 06	573282-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573310-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.72 TN	0.00	0.00
4 Jan 06	573310-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573314-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	26.39 TN	0.00	0.00
4 Jan 06	573314-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573346-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.26 TN	0.00	0.00
4 Jan 06	573346-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573333-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.25 TN	0.00	0.00
4 Jan 06	573333-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573360-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.84 TN	0.00	0.00
4 Jan 06	573360-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573353-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.65 TN	0.00	0.00
4 Jan 06	573353-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573380-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.54 TN	0.00	0.00
4 Jan 06	573380-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573381-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.26 TN	0.00	0.00
4 Jan 06	573381-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573395-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.98 TN	0.00	0.00
4 Jan 06	573395-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573404-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	27.02 TN	0.00	0.00
4 Jan 06	573404-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573448-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	19.73 TN	0.00	0.00
4 Jan 06	573448-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573423-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.23 TN	0.00	0.00
4 Jan 06	573423-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573431-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.78 TN	0.00	0.00
4 Jan 06	573431-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573465-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.95 TN	0.00	0.00
4 Jan 06	573465-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573467-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.47 TN	0.00	0.00
4 Jan 06	573467-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573457-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.84 TN	0.00	0.00
4 Jan 06	573457-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573484-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.53 TN	0.00	0.00
4 Jan 06	573484-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573515-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	20.48 TN	0.00	0.00
4 Jan 06	573515-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573508-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.53 TN	0.00	0.00
4 Jan 06	573508-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573509-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.68 TN	0.00	0.00
4 Jan 06	573509-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
4 Jan 06	573521-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.31 TN	0.00	0.00
4 Jan 06	573521-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573524-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.36 TN	0.00	0.00
4 Jan 06	573524-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573559-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.20 TN	0.00	0.00
4 Jan 06	573559-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573570-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	18.12 TN	0.00	0.00
4 Jan 06	573570-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573571-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	21.06 TN	0.00	0.00
4 Jan 06	573571-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573564-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22.79 TN	0.00	0.00
4 Jan 06	573564-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573591-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	25.18 TN	0.00	0.00
4 Jan 06	573591-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573594-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	24.94 TN	0.00	0.00
4 Jan 06	573594-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00
4 Jan 06	573595-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	17.53 TN	0.00	0.00
4 Jan 06	573595-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00

CONTRACT TOTALS :

Material Summary

	Inbound		Outbound		Billing Quantity	Contract Ordered	Ordered Variance
	Weight	Volume	Weight	Volume			
11 - CLASS II SOIL	3,054.65 TN	2,370.00 YD	0.00 TN	0.00 YD	3,054.65 TN	0.00	3,054.65
0 - ENVIRONMENTAL FEE	0.00 TN	0.00 YD	0.00 TN	0.00 YD	131.00 LD	0.00	131.00
TOTALS	3,054.65 TN	2,370.00 YD	0.00 TN	0.00 YD			

Appendix J

NRC Environmental Services, Inc.
Hazardous Categorization Field Forms and
Uniform Hazardous Waste Manifest

24-Hour Emergency Response Hotline
1-800-33 SPILL

1/4" x 1/4"

Unknown #1 - 55-gal DM (non-shippable) (full)

- Yellow-brown liquid; bi-layered w/water
- no visible evaporation
- non-oxidizer
- water solubility → bi-layered; lower layer likely water
- combustibility test → slightly combustible ("wicks")
- ketone test → neg.
- copper wire test → negative (non-chlorinated)
- petroleum oil/water

Unknown #2 - 55-gal DM (non-shippable) (< 1/2 full)

- Yellow-brown liquid; water w/ ~~thin~~ thin top layer/sheen
- no visible evaporation
- non-oxidizer
- water solubility test → slightly bi-layered (oil-on-water)
- combustibility test → very slightly combustible (>95% water)
- ketone test → negative
- copper wire test → negative (non-chlorinated)
- petroleum oil/water

Unknown #3 - 55-gal DM (non-shippable; badly damaged) (< 1/2 full)

- Yellow-brown liquid; bi-layered w/ low % water
- no visible evaporation
- non-oxidizer
- water solubility → insoluble top layer; small lower layer of water
- combustibility test → slightly combustible (wicks)
- ketone test → neg.
- copper wire test → neg. (non-chlorinated)
- petroleum oil/water

24-Hour Emergency Response Hotline
1-800-33 SPILL

1/4" x 1/4"

- Unknown #4 - 55-gal DF (shippable)(full)
- black liquid; bi-layered w/water
 - no visible evaporation
 - non-oxidizer
 - water solubility → insoluble top layer
 - combustibility test → positive (wicks)
 - ketone test → neg.
 - copper wire test → neg. (non-chlorinated)
- petroleum oil/water

20102934
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA000259974402934** Manifest Document No. **25102934** 2. Page 1 of 1
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ESTATE OF MICHAEL DOLAN
3215 DEER PARK DR.
WALNUT CREEK, CA 94598
 4. Generator's Phone (925) 946-9326
ATTN: MICHAEL FITZPATRICK

A. State Manifest Document Number
25102934

5. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES
 6. US EPA ID Number **CA R 0 0 0 0 3 0 1 1 4**

B. State Generator's ID

7. Transporter 2 Company Name

C. State Transporter's ID (Reserved)

9. Designated Facility Name and Site Address
CROSBY & OVERTON, INC.
1630 W. 17TH ST.
LONG BEACH, CA 90813
 10. US EPA ID Number **C A D 0 2 8 4 0 9 0 1 9**

D. Transporter's Phone **(510)749-1390**

E. State Transporter's ID (Reserved)

F. Transporter's Phone

G. State Facility's ID **C A D 0 2 8 4 0 9 0 1 9**

H. Facility's Phone **(562)432-5445**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)
 a. **NON-RCRA HAZARDOUS WASTE, LIQUID (OIL / WATER)**

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol 15. Waste Number
002 D M 90110 G State **221**
 EPA/Other **N/A**

b. **NON-RCRA HAZARDOUS WASTE, LIQUID (OIL/WATER)**

001 D F 00055 G State **221**
 EPA/Other **N/A**

c.

State EPA/Other

d.

State EPA/Other

J. Additional Descriptions for Materials Listed Above
11A) 56574 (2x55)
11B) 56574 (1x55)
SITE: 6393 SCARLETT CT. DUBLIN, CA 94568

K. Handling Codes for Wastes Listed Above
 a. b. c. d.

15. Special Handling Instructions and Additional Information
24-HR. EMERGENCY CONTACT: NRC ENVIRONMENTAL (510)749-1390
USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
JOB#: 19808 PO#: 130767

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health available to me and that I can afford.

Printed/Typed Name **MIKE FITZPATRICK** Signature *Mike Fitzpatrick* Month **01** Day **27** Year **06**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **CRAIG CONFORTI** Signature *Craig Conforti* Month **01** Day **27** Year **06**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

Appendix K

**Laboratory Analytical Reports,
McCampbell Analytical, Inc.
December 1, 2005, December 5, 2005,
December 14, 2005, and December 16, 2005**



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Properties	Date Sampled: 11/29/05
	Client Contact: Mark Detterman	Date Received: 11/29/05
	Client P.O.:	Date Reported: 12/01/05
		Date Completed: 12/01/05

WorkOrder: 0511494

December 01, 2005

Dear Mark:

Enclosed are:

- 1). the results of 2 analyzed samples from your #202016; Dolan Properties project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

EPA Method: SW8021B/8015Cm		Extraction: SW5030B				BatchID: 19191			Spiked Sample ID: 0511489-002A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	104	102	1.46	104	104	0	70 - 130	70 - 130
MTBE	ND	0.10	89.5	88.7	0.842	96.3	92.4	4.16	70 - 130	70 - 130
Benzene	ND	0.10	94.7	92.7	2.18	93.6	92.7	0.985	70 - 130	70 - 130
Toluene	ND	0.10	100	96.9	3.52	97.9	97.1	0.881	70 - 130	70 - 130
Ethylbenzene	ND	0.10	109	107	1.96	107	107	0	70 - 130	70 - 130
Xylenes	ND	0.30	110	110	0	110	110	0	70 - 130	70 - 130
%SS:	104	0.10	99	98	1.07	99	98	0.786	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19191 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511494-001A	11/29/05 9:30 AM	11/29/05	11/30/05 3:34 PM	0511494-002A	11/29/05 9:55 AM	11/29/05	11/30/05 4:03 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

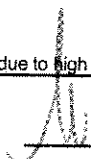
EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19199			Spiked Sample ID: 0511349-016A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	106	103	2.55	112	105	6.49	70 - 130	70 - 130
%SS:	100	50	96	96	0	98	96	1.48	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19199 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511494-001A	11/29/05 9:30 AM	11/29/05	11/30/05 3:02 PM	0511494-002A	11/29/05 9:55 AM	11/29/05	11/30/05 3:02 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

 QA/QC Officer



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19189			Spiked Sample ID: 0511486-009B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	11	50	90.7	86.5	3.84	10	102	97.3	5.04	75 - 125	80 - 120
%SS:	95	250	99	97	2.04	250	95	98	2.90	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19189 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511494-001A	11/29/05 9:30 AM	11/29/05	11/30/05 10:16 AM	0511494-002A	11/29/05 9:55 AM	11/29/05	11/30/05 10:21 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

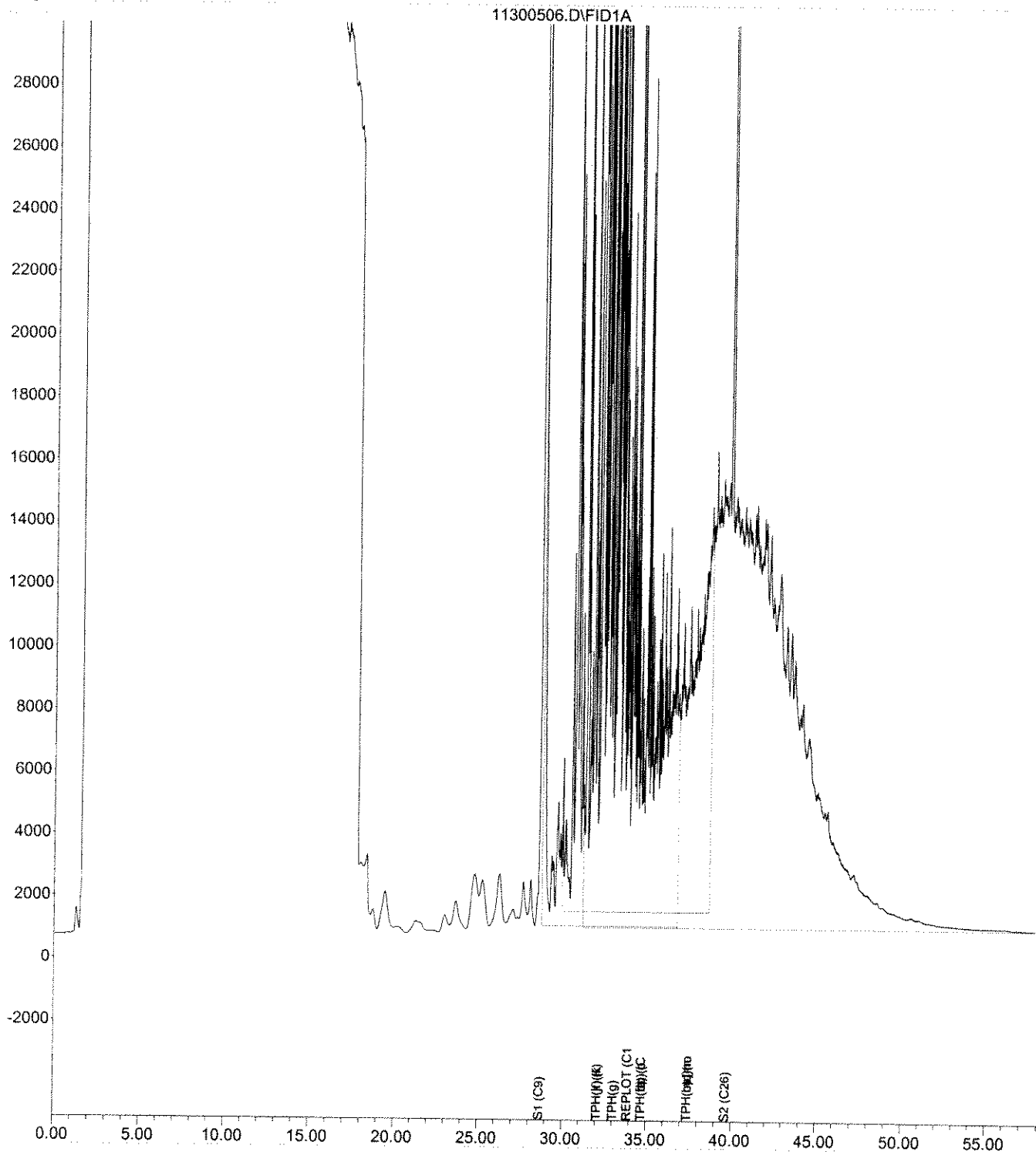
DHS Certification No. 1644

 QA/QC Officer

Data File : D:\HPCHEM\GC6\DATAA\11300506.D Vial: 3
Acq On : 30 Nov 2005 3:02 pm Operator:
Sample : 0511494-001A S RR Inst : GC-6
Misc : TPH(DMO)_S Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 30 16:01 2005 Quant Results File: GC6ANEWM.RES

Quant Method : D:\HPCHEM\GC6\METHODS\GC6ANEWM.M (Chemstation Integrator)
Title : GC-6A
Last Update : Wed Oct 12 13:03:45 2005
Response via : Multiple Level Calibration
DataAcq Meth : GC6ANEWM.M

Volume Inj. :
Signal Phase :
Signal Info :

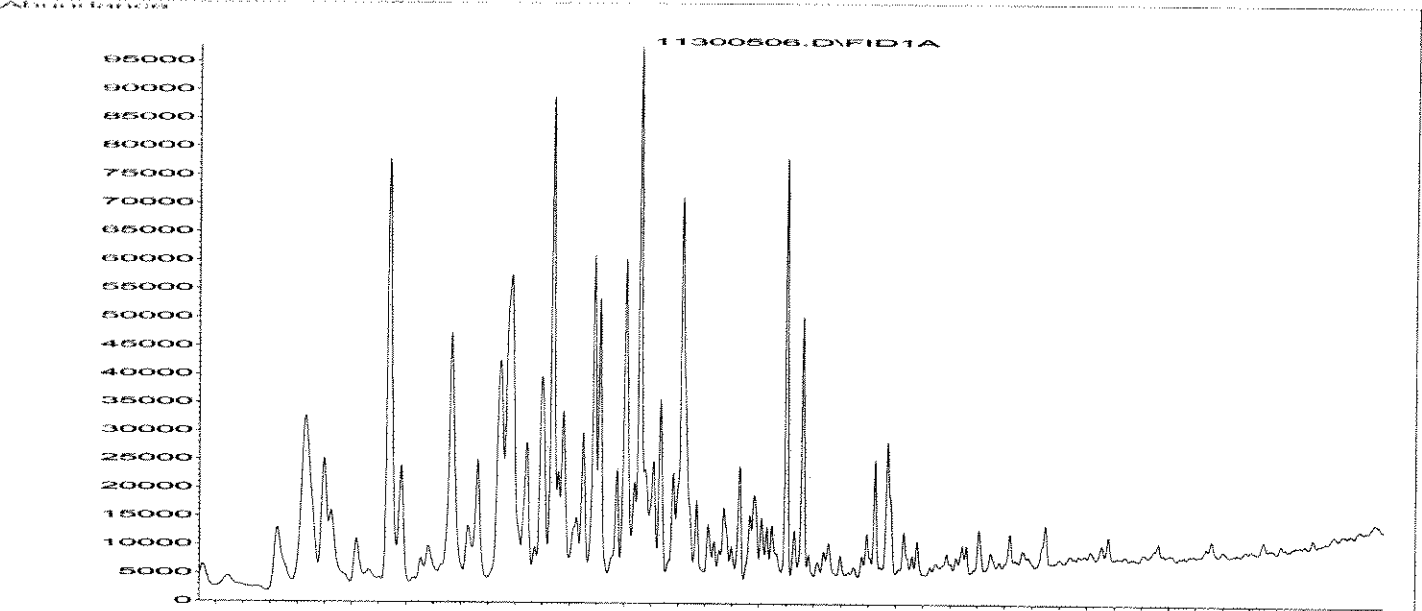


Instrument Name GC-6 DETECTOR A
 Data File Name 11300506.D Sample Name 0511494-001A S RR
 Date Acquired 11/30/2005 3:02 Data File Path D:\HPCHEM\GC6\DATA\11300506.D
 Acq. Method File GC6ANEWM.M Misc Info TPH(DMO)_S
 Vial Number 3 Sample Multiplier 1

NOTE: THE MULTIPLIER IS THE DILUTION FACTOR ONLY, NOT WITH THE EXTRACTION FACTOR
 NOTE: S1 & S2 % recoveries are based on dilution without SS
 NOTE: TPH(d,bo) and TPH(mo) values are based on diesel & motor oil calibrations; TPH(bo) has TPH(mo) RL
 NOTE: Ignore TPH(g) & TPH(k) values from Chem Station; after that they are based on the diesel RF & area

Name	Ret Time	CS (mg/Ls)	Area	Amount Using D &		
				MO RFs only (mg/Ls)	Soil mg/kg	Water (ug/L)
S1 (C9)	28.65	103.3	22994571	103.3	103%	103%
S2 (C26)	39.64	102.0	22951476	102.0	102%	102%
TPH(d)	C10-C23	51.7	45141558	51.7	25.8	1291
TPH(mo)	C18+	52.9	57222908	52.9	26.4	1322
TPH(k)(K)	C10-C18	69.3	50664669	58.0	29.0	1449
TPH(g)	<C12	193.2	33905585	38.8	19.4	970
TPH(bo) (C10+)	C10+	105.0	98359472	105.0	52.5	2626

REPLOTTING (C10-C25)

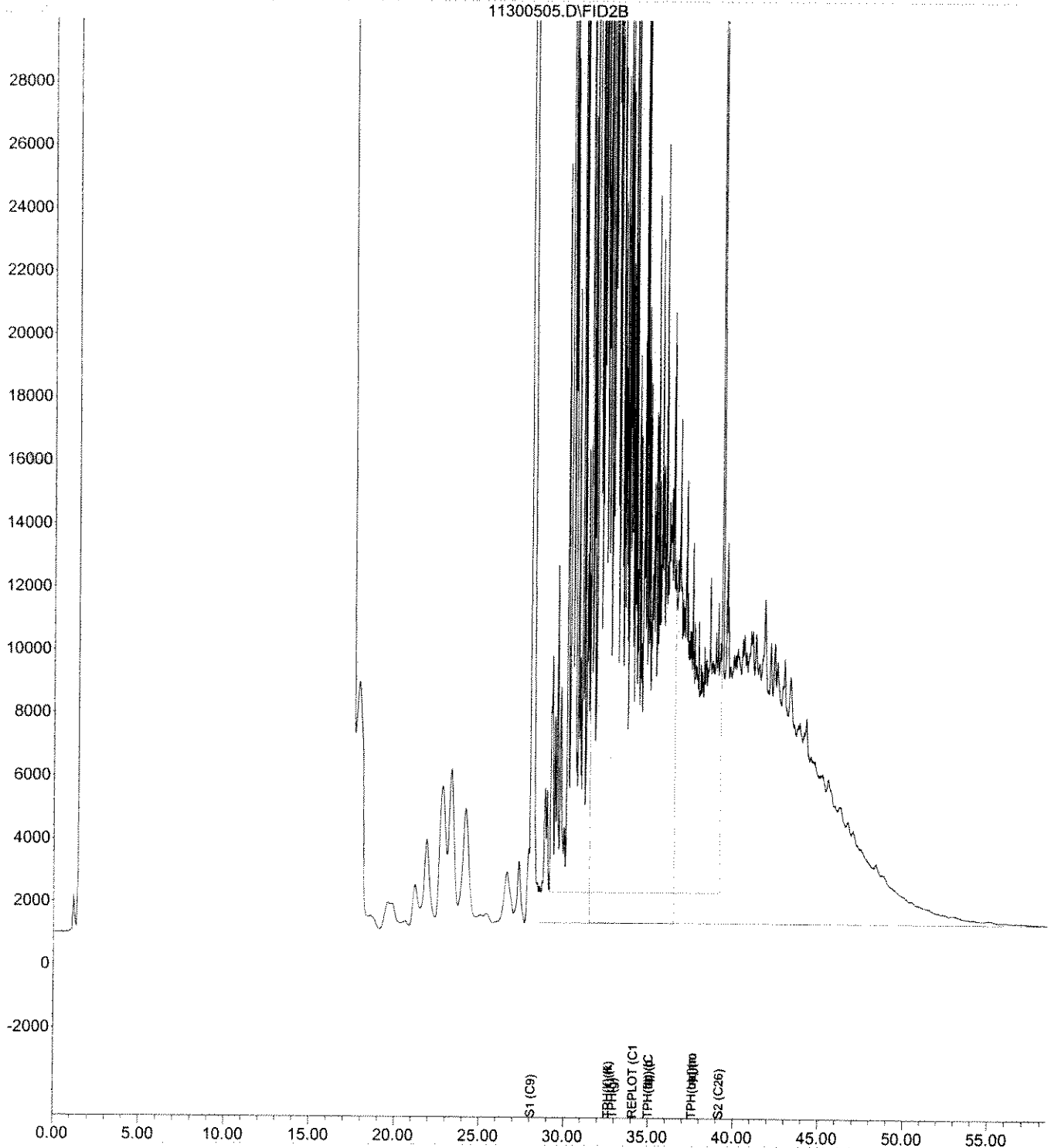


Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\GC6\DATAB\11300505.D Vial: 53
Acq On : 30 Nov 2005 3:02 pm Operator:
Sample : 0511494-002A S RR Inst : GC-6
Misc : TPH(DMO)_S Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 30 16:02 2005 Quant Results File: GC6BNEWM.RES

Quant Method : D:\HPCHEM\GC6\METHODS\GC6BNEWM.M (Chemstation Integrator)
Title : GC-2B
Last Update : Wed Mar 16 10:21:59 2005
Response via : Multiple Level Calibration
DataAcq Meth : GC6ANEWM.M

Volume Inj. :
Signal Phase :
Signal Info :

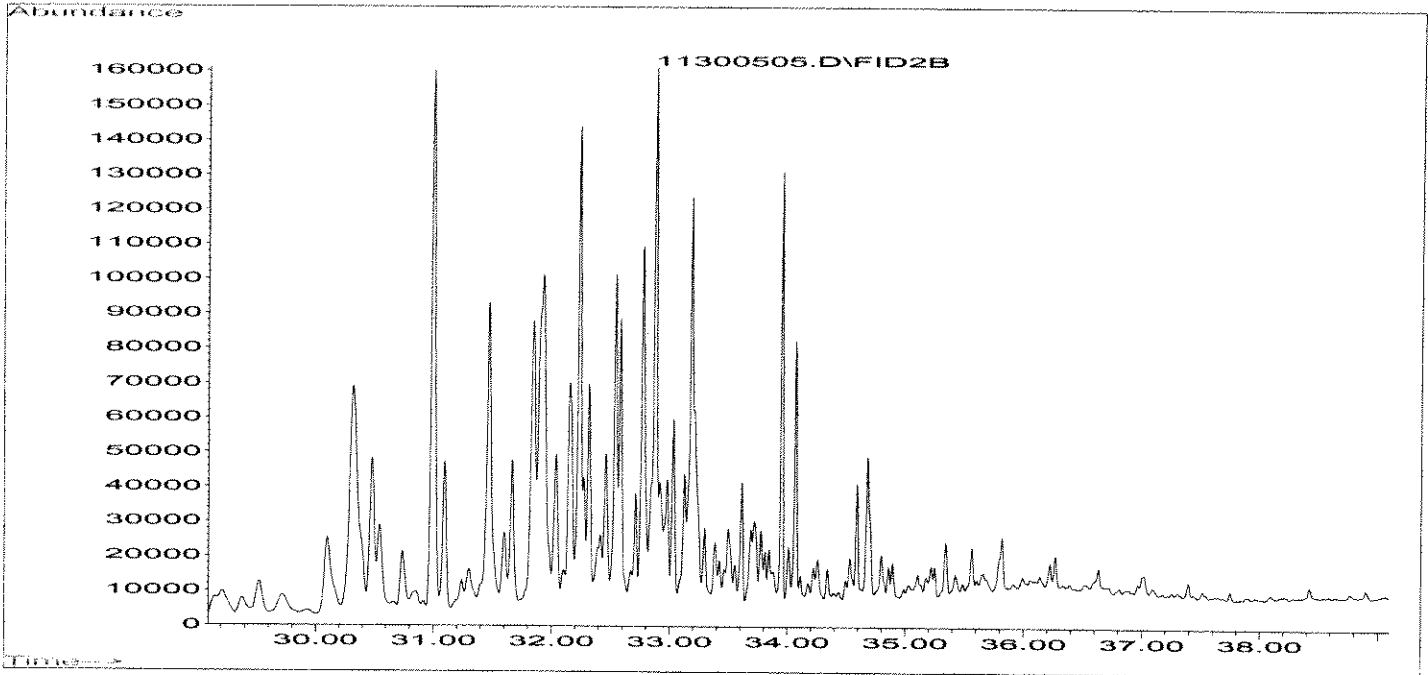


Instrument Name GC-6 DETECTOR B
 Data File Name 11300505.D Sample Name 0511494-002A S RR
 Date Acquired 11/30/2005 3:02 Data File Path D:\HPCHEM\GC6\DATAB\
 Acq. Method File GC6ANEWM.M Misc Info TPH(DMO)_S
 Vial Number 53 Sample Multiplier 1

NOTE: THE MULTIPLIER IS THE DILUTION FACTOR ONLY, NOT WITH THE EXTRACTION FACTOR
 NOTE: S1 & S2 % recoveries are based on dilution without SS
 NOTE: TPH(d,bo) and TPH(mo) values are based on diesel & motor oil calibrations, TPH(bo) and TPH(mo) use the same RL
 NOTE: Ignore TPH(g) & TPH(k) values from Chem Station; after that they are based on the diesel RF & area

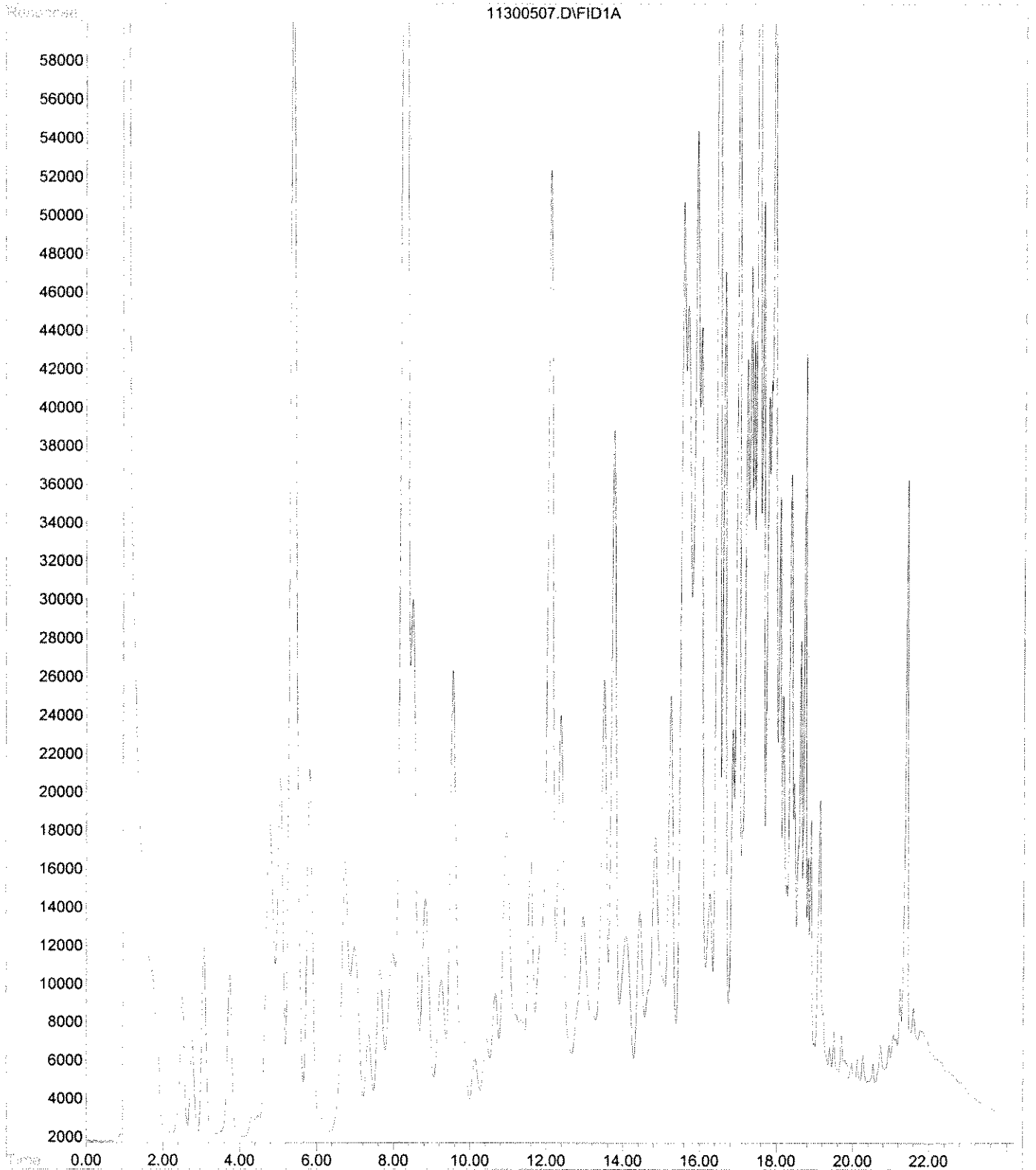
Name	Ret Time	CS (mg/Ls)	Area	Amount Using D &		
				MO RFs only (mg/Ls)	Soil mg/kg	Water (ug/L)
S1 (C9)	28.06	110.5	25525207	110.5	111%	111%
S2 (C26)	39.17	101.4	23528105	101.4	101%	101%
TPH(d)	C10-C23	84.5	73087362	84.5	42.3	2113
TPH(mo)	C18+	54.5	51482727	54.5	27.2	1362
TPH(k)(K)	C10-C18	116.4	87874054	101.6	50.8	2541
TPH(g)	<C12	377.0	73864536	85.4	42.7	2136
TPH(bo) (C10+)	C10+	134.4	118291997	134.4	67.2	3359

REPLOT (C10-C25)

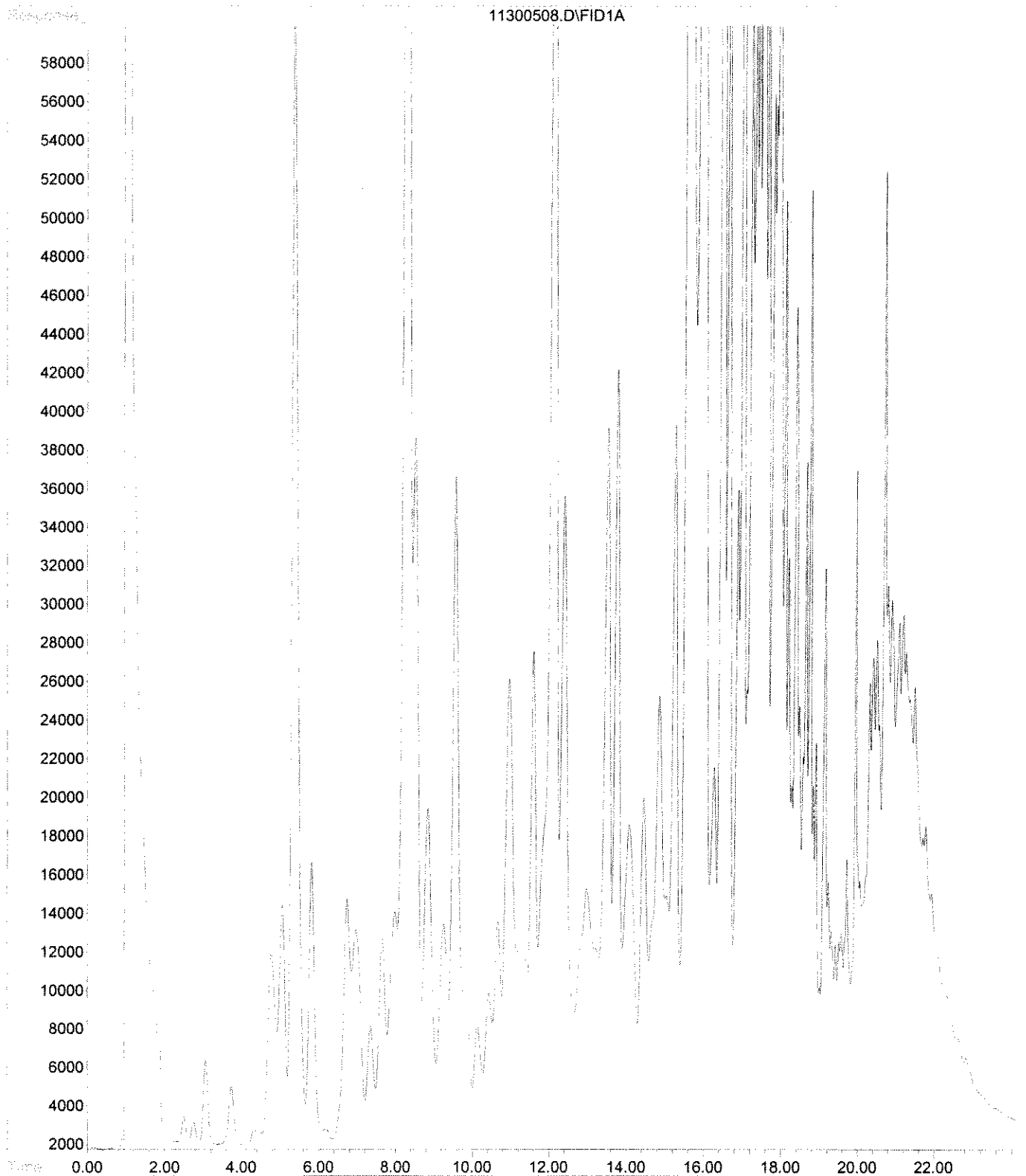


gasoline regular?

File : D:\HPCHEM\GC19\DATA\11300507.D
Operator :
Acquired : 30 Nov 2005 3:34 pm using AcqMethod GC19G.M
Instrument : GC-19
Sample Name : 0511494-001A S RR
Misc Info : G-MBTX-S
Vial Number: 7

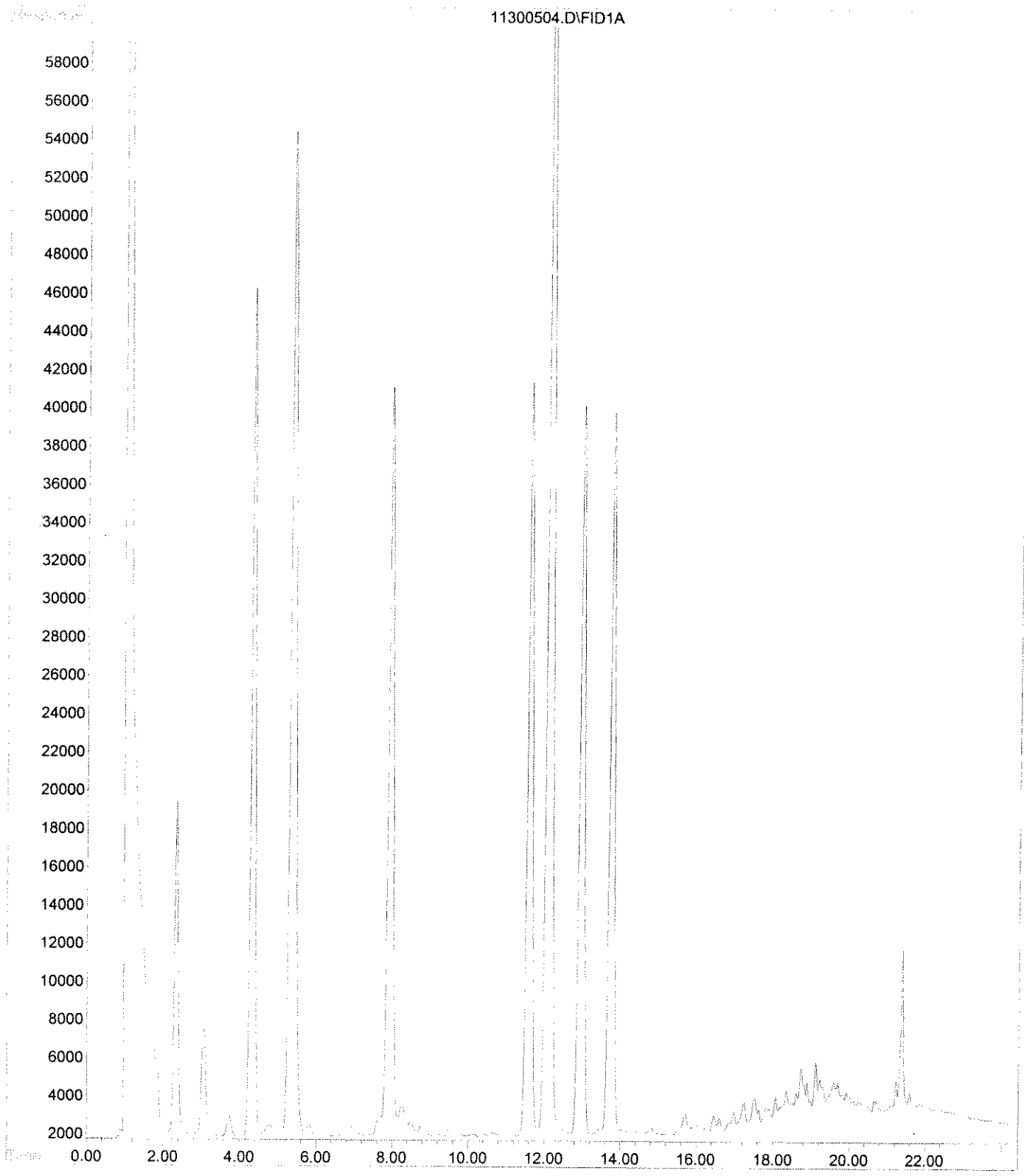


File : D:\HPCHEM\GC19\DATA\11300508.D
Operator :
Acquired : 30 Nov 2005 4:03 pm using AcqMethod GC19G.M
Instrument : GC-19
Sample Name : 0511494-002A S RR
Misc Info : G-MBTX S
Vial Number: 8



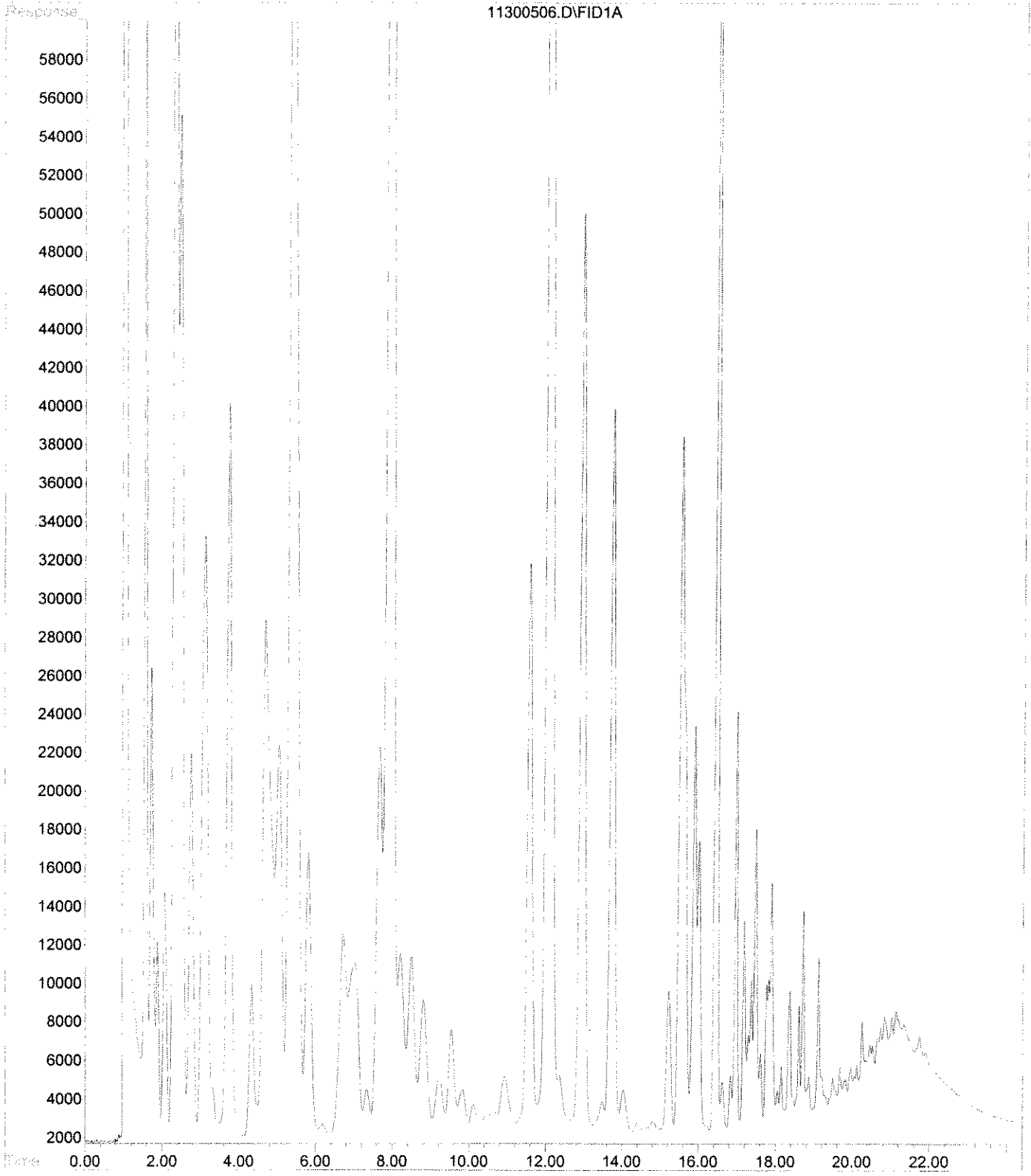
File : D:\HPCHEM\GC19\DATA\11300504.D
Operator :
Acquired : 30 Nov 2005 2:05 pm using AcqMethod GC19G.M
Instrument : GC-19
Sample Name: ICVA
Misc Info : G-MBTEX_w
Vial Number: 4

100 ug BTEX



File : D:\HPCHEM\GC19\DATA\11300506.D
Operator :
Acquired : 30 Nov 2005 3:04 pm using AcqMethod GC19G.M
Instrument : GC-19
Sample Name: ICVB
Misc Info : G-MBTEX_W
Vial Number: 6

5000 ug BTEX





BEI 05/14/04

CHAIN OF CUSTODY RECORD

RUSH

PAGE 1 OF 1

JOB #		PROJECT NAME/LOCATION				# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020) <i>15/12</i>	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	HIC pb added <i>1/29</i>	HOLD	TURNAROUND TIME: <u>3</u> DAY(S)			
SAMPLERS (SIGNATURE)		DATE	TIME	COMP	GRAB										SAMPLE NAME/LOCATION	REMARKS:		
<i>Mark [Signature]</i>		<i>Dolan Properties</i>													<i>2 Samples Total</i>			
		<i>11/20/05</i>	<i>930</i>		<i>X</i>	<i>SP1-1</i>	<i>X</i>	<i>X</i>				<i>X</i>		<i>Lab composite</i>				
			<i>935</i>			<i>SP1-2</i>												
			<i>940</i>			<i>SP1-3</i>												
			<i>945</i>			<i>SP1-4</i>												
			<i>955</i>			<i>SP2-1</i>									<i>Lab composite</i>			
			<i>1000</i>			<i>SP2-2</i>												
			<i>1005</i>			<i>SP2-3</i>												
			<i>1010</i>			<i>SP2-4</i>												
REQUESTED BY:						RESULTS AND INVOICE TO:												
<i>Mark [Signature]</i>						<i>Mark [Signature] / Blymyer Engineers Inc</i>												
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)								
<i>Mark [Signature]</i>		<i>11/20/05 11:30 AM</i>		<i>[Signature]</i>		<i>Mark [Signature]</i>												
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:										
<i>Mark [Signature]</i>																		

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0511494

ClientID: BEIA

EDF: NO

Report to:		Bill to:	Requested TAT:
Mark Detterman	TEL: (510) 521-3773	Accounts Payable	3 days
Blymyer Engineers, Inc.	FAX: (510) 865-2594	Blymyer Engineers, Inc.	
1829 Clement Avenue	ProjectNo: #202016; Dolan Properties	1829 Clement Avenue	<i>Date Received:</i> 11/29/2005
Alameda, CA 94501-1395	PO:	Alameda, CA 94501-1395	<i>Date Printed:</i> 11/29/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0511494-001	SP1-1-4	Soil	11/29/05 9:30:00	<input type="checkbox"/>	A	A	A										
0511494-002	SP2-1-4	Soil	11/29/05 9:55:00	<input type="checkbox"/>	A	A	A										

Test Legend:

1	G-MBTEX_S	2	PB_S	3	TPH(D)_S	4	5
6		7		8		9	10
11		12					

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Properties	Date Sampled: 12/02/05
	Client Contact: Mark Detterman	Date Received: 12/02/05
	Client P.O.:	Date Reported: 12/05/05
		Date Completed: 12/05/05

WorkOrder: 0512049

December 05, 2005

Dear Mark:

Enclosed are:

- 1). the results of 1 analyzed sample from your **#202016; Dolan Properties project**,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Client Project ID: #202016; Dolan Properties
 Client Contact: Mark Detterman
 Client P.O.:

Date Sampled: 12/02/05
 Date Received: 12/02/05
 Date Extracted: 12/02/05
 Date Analyzed: 12/02/05

CAM / CCR 17 Metals*

Lab ID	0512049-001C	Reporting Limit for DF = 1; ND means not detected above the reporting limit	
Client ID	Eff-1		
Matrix	W		
Extraction Type	DISS.		
		S	W
		mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8

Extraction Method: E200.8

Work Order: 0512049

Dilution Factor	1			I	I
Antimony	6.2			NA	0.5
Arsenic	35			NA	0.5
Barium	490			NA	5.0
Beryllium	ND			NA	0.5
Cadmium	ND			NA	0.25
Chromium	ND			NA	0.5
Cobalt	3.2			NA	0.5
Copper	0.72			NA	0.5
Lead	0.52			NA	0.5
Mercury	0.080			NA	0.012
Molybdenum	310			NA	0.5
Nickel	16			NA	0.5
Selenium	1.8			NA	0.5
Silver	ND			NA	0.19
Thallium	ND			NA	0.5
Vanadium	11			NA	0.5
Zinc	6.9			NA	0.5
%SS:	N/A			NA	5.0

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0512049

EPA Method: SW8021B/8015Cm		Extraction: SW5030B				BatchID: 19234			Spiked Sample ID: 0512049-001A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	101	103	1.94	102	100	1.15	70 - 130	70 - 130
MTBE	ND	10	95	103	8.23	81.1	108	28.0	70 - 130	70 - 130
Benzene	ND	10	99.6	91.8	8.22	98.2	95.2	3.16	70 - 130	70 - 130
Toluene	ND	10	107	98.3	8.16	104	102	2.27	70 - 130	70 - 130
Ethylbenzene	ND	10	112	106	6.34	110	108	1.35	70 - 130	70 - 130
Xylenes	ND	30	117	110	5.88	107	110	3.08	70 - 130	70 - 130
%SS:	109	10	106	97	8.67	105	99	5.96	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19234 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512049-001A	12/02/05 9:15 AM	12/03/05	12/03/05 3:34 AM				

MS = Matrix Spike, MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0512049

EPA Method: E200.8		Extraction: E200.8				BatchID: 19254			Spiked Sample ID: 0512064-001D	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Antimony	1.4	10	106	92.7	11.5	97.8	95.2	2.69	75 - 125	85 - 115
Arsenic	14	10	102	89	5.41	96	96.5	0.519	75 - 125	85 - 115
Barium	210	100	NR	NR	NR	99	97	2.09	75 - 125	85 - 115
Beryllium	0.57	10	86.2	92.3	6.43	88	87.8	0.250	75 - 125	85 - 115
Cadmium	0.49	10	98.4	85.2	13.7	99.9	97.5	2.39	75 - 125	85 - 115
Chromium	83	10	NR	NR	NR	94.7	95.4	0.757	75 - 125	85 - 115
Cobalt	15	10	78.9	83.7	2.09	101	98.8	2.17	75 - 125	85 - 115
Copper	62	10	NR	NR	NR	95.2	97	1.89	75 - 125	85 - 115
Lead	34	10	NR	NR	NR	96.5	94.8	1.82	75 - 125	85 - 115
Mercury	0.33	0.50	107	114	3.93	115	112	2.31	75 - 125	85 - 115
Molybdenum	6.3	10	104	90.6	8.36	95.9	94.4	1.53	75 - 125	85 - 115
Nickel	130	10	NR	NR	NR	97.2	98.8	1.60	75 - 125	85 - 115
Selenium	1.4	10	98.6	88	9.90	93.7	95.2	1.59	75 - 125	85 - 115
Silver	0.64	10	90.6	78.7	13.1	94.3	91.8	2.72	75 - 125	85 - 115
Thallium	ND	10	104	90.8	13.8	96.3	96.4	0.125	75 - 125	85 - 115
Vanadium	61	10	NR	NR	NR	93.8	96.3	2.71	75 - 125	85 - 115
Zinc	140	100	95.5	80.2	6.74	99.9	98.6	1.35	75 - 125	85 - 115
%SS:	105	750	116	113	2.95	95	94	1.36	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19254 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512049-001C	12/02/05 9:15 AM	12/02/05	12/02/05 3:13 PM	0512049-001C	12/02/05 9:15 AM	12/02/05	12/02/05 3:21 PM

MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not applicable to this method.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0512049

EPA Method: SW8015C		Extraction: SW3510C				BatchID: 19245			Spiked Sample ID: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	108	110	1.61	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	96	98	1.39	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19245 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512049-001B	12/02/05 9:15 AM	12/02/05	12/02/05 3:55 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer

McC Campbell Analytical, Inc.

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512049

ClientID: BEIA

EDF: NO

Report to:

Mark Detterman
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan Properties
 PO:

Bill to:

Accounts Payable
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Requested TAT:

5 days

Date Received: 12/02/2005

Date Printed: 12/02/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)																	
					1	2	3	4	5	6	7	8	9	10	11	12						
0512049-001	Eff-1	Water	12/2/05 9:15:00 AM	<input type="checkbox"/>	C	A	B															

Test Legend:

1	CAM17(D)MS_W	2	G-MBTEX_W	3	TPH(D)_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolen Properties	Date Sampled: 12/02/05
		Date Received: 12/05/05
	Client Contact: Mark Detterman	Date Reported: 12/15/05
	Client P.O.:	Date Completed: 12/16/05

WorkOrder: 0512076

December 16, 2005

Dear Mark:

Enclosed are:

- 1). the results of **3** analyzed samples from your **#202016; Dolen Properties** project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolen Properties	Date Sampled: 12/02/05
	Client Contact: Mark Detterman	Date Received: 12/05/05
	Client P.O.:	Date Extracted: 12/09/05
		Date Analyzed: 12/12/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0512076

Lab ID	0512076-001A	Reporting Limit for DF =1	
Client ID	NWB-20.5		
Matrix	S		
DF	I		
		S	W

Compound	Concentration				mg/kg	ug/L
	tert-Amyl methyl ether (TAME)	ND				0.005
t-Butyl alcohol (TBA)	ND				0.05	NA
1,2-Dibromoethane (EDB)	ND				0.005	NA
1,2-Dichloroethane (1,2-DCA)	ND				0.005	NA
Diisopropyl ether (DIPE)	ND				0.005	NA
Ethanol	ND				0.25	NA
Ethyl tert-butyl ether (ETBE)	ND				0.005	NA
Methanol	ND				2.5	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA

Surrogate Recoveries (%)


%SS1:	88			
Comments				

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19275			Spiked Sample ID: 0512067-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	98.5	107	7.79	103	106	2.89	70 - 130	70 - 130
MTBE	ND	0.10	91.2	85.3	6.76	89.7	92.5	3.10	70 - 130	70 - 130
Benzene	ND	0.10	96.1	92.3	4.05	93.4	92.2	1.30	70 - 130	70 - 130
Toluene	ND	0.10	98.8	95.8	3.11	96.7	97.4	0.686	70 - 130	70 - 130
Ethylbenzene	ND	0.10	105	107	1.84	107	108	0.940	70 - 130	70 - 130
Xylenes	ND	0.30	107	110	3.08	110	110	0	70 - 130	70 - 130
%SS:	114	0.10	103	97	6.19	98	97	1.00	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19275 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-001A	12/02/05 10:15 AM	12/05/05	12/05/05 7:27 PM	0512076-002A	12/02/05 2:00 PM	12/05/05	12/06/05 7:04 PM
0512076-003A	12/02/05 2:30 PM	12/05/05	12/06/05 8:43 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



McC Campbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19269			Spiked Sample ID: 0512077-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	107	107	0	109	110	1.23	70 - 130	70 - 130
%SS:	100	50	98	98	0	97	100	3.37	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 19269 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-001A	12/02/05 10:15 AM	12/05/05	12/05/05 4:35 PM	0512076-002A	12/02/05 2:00 PM	12/05/05	12/05/05 5:43 PM
0512076-003A	12/02/05 2:30 PM	12/05/05	12/05/05 6:52 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 19359			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	116	111	4.21	112	111	1.12	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	100	97.3	3.17	101	99.7	1.18	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	107	108	0.860	113	106	6.22	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	110	107	2.85	106	106	0	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	108	103	4.62	102	102	0	70 - 130	70 - 130
Ethanol	ND	2.5	97.8	105	6.72	101	107	5.73	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	97.9	3.18	98.5	98.1	0.353	70 - 130	70 - 130
Methanol	ND	12.5	98.8	101	2.14	101	98.4	2.46	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	104	100	3.90	102	99.4	2.31	70 - 130	70 - 130
%SSI:	90	0.050	111	108	2.87	104	106	1.92	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19359 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-001A	12/02/05 10:15 AM	12/09/05	12/12/05 1:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19251			Spiked Sample ID: 0512050-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	7.7	50	78.6	76.9	1.88	10	101	93.8	7.24	75 - 125	80 - 120
%SS:	93	250	95	87	9.15	250	103	103	0	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE											

BATCH 19251 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-002A	12/02/05 2:00 PM	12/05/05	12/06/05 9:04 AM	0512076-003A	12/02/05 2:30 PM	12/05/05	12/06/05 9:07 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not applicable to this method.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19363				Spiked Sample ID: 0512169-002A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE											

BATCH 19363 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-001A	12/02/05 10:15 AM	12/09/05	12/12/05 11:17 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

BLMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501 (510) 521-3773

FAX (510) 865-2594



BEIa 0512076

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

JOB #		PROJECT NAME/LOCATION		# OF CONTAINERS	TPH AS GASOLINE + BTX (MOD EPA 8015/8070) / MXTBC	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTX (EPA 8020/602)	Total Pb	70mg/g	Pb	HOLD	TURNAROUND TIME: <u>5</u> DAY(S)	
SAMPLERS (SIGNATURE)		REMARKS:														
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION												
202016				Dolan Properties												
Mark E. Jeterman																
12/2/05	1015		X	NWB-20.5	1 Grab	X	X					X	X			
	200			SP3-1	1 Sample	X	X				X					4 tot composite
	205			SP3-2		X	X				X					
	210			SP3-3		X	X				X					
	215			SP3-4		X	X				X					
	230			SP4-1	1 Sample	X	X				X					4 tot composite
	235			SP4-2		X	X				X					
	240			SP4-3		X	X				X					
	245			SP4-4		X	X				X					
ICEP <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> PRESERVED IN LAB <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input checked="" type="checkbox"/> PRESERVATION: VOAS <input type="checkbox"/> O&G <input type="checkbox"/> METALS <input type="checkbox"/> OTHER <input type="checkbox"/>																
REQUESTED BY: Mark Jeterman								RESULTS AND INVOICE TO: Blymyer Engineers, c/o Mark Jeterman								
RELINQUISHED BY: (SIGNATURE) Mark Jeterman			DATE / TIME 12/2/05 1030		RECEIVED BY: (SIGNATURE) ME Vall			RELINQUISHED BY: (SIGNATURE)			DATE / TIME		RECEIVED BY: (SIGNATURE)			
RELINQUISHED BY: (SIGNATURE)			DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE / TIME		REMARKS:						

WHITE: Accompany Sample

YELLOW: BEI, After Lab Signs

PINK: Original Sampler

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0512076

ClientID: BEIA

EDF: NO

Report to:
 Mark Detterman
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolen Properties
 PO:

Bill to:
 Accounts Payable
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Requested TAT: 5 days
 Date Received: 12/05/2005
 Date Printed: 12/09/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0512076-001	NWB-20.5	Soil	12/2/05 10:15:00	<input type="checkbox"/>	A	A	A	A										
0512076-002	SP3-1-4	Soil	12/2/05 2:00:00 PM	<input type="checkbox"/>		A	A	A										
0512076-003	SP4-1-4	Soil	12/2/05 2:30:00 PM	<input type="checkbox"/>		A	A	A										

Test Legend:

1	9-OXYS_S	2	G-MBTX_S	3	PB_S	4	TPH(D)_S	5
6		7		8		9		10
11		12						

Prepared by: Melissa Valles

Comments: Total Pb and 9-oxys added 12/09/05 5 day tat per M.D.

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



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Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Properties	Date Sampled: 12/06/05
		Date Received: 12/09/05
	Client Contact: Mark Detterman	Date Reported: 12/14/05
	Client P.O.:	Date Completed: 12/14/05

WorkOrder: 0512169

December 14, 2005

Dear Mark:

Enclosed are:

- 1). the results of 2 analyzed samples from your **#202016; Dolan Properties project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19357			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130
MTBE	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130
Ethylbenzene	ND	0.10	105	106	0.658	103	105	1.84	70 - 130	70 - 130
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130
%SS:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512169-001A	12/06/05 2:45 PM	12/09/05	12/12/05 5:40 PM	0512169-002A	12/06/05 3:10 PM	12/09/05	12/12/05 8:06 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19358			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	104	105	1.30	101	102	1.44	70 - 130	70 - 130
%SS:	99	50	99	99	0	87	89	2.54	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19358 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512169-001A	12/06/05 2:45 PM	12/09/05	12/10/05 7:10 AM	0512169-002A	12/06/05 3:10 PM	12/09/05	12/10/05 8:17 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19363			Spiked Sample ID: 0512169-002A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19363 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512169-001A	12/06/05 2:45 PM	12/09/05	12/12/05 11:19 AM	0512169-002A	12/06/05 3:10 PM	12/09/05	12/12/05 12:24 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer

BLMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501 (510) 521-3773 FAX (510) 865-2594

18e19

0512169



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

JOB #		PROJECT NAME/LOCATION				# OF CONTAINERS	TPH AS GASOLINE + BTX (MOD EPA 8015/8070) / M.TBE	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTX (EPA 8070/602)	TOTAL Pb	HOLD	TURNAROUND TIME: 5 DAY(S)	
SAMPLERS (SIGNATURE)															REMARKS:	
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION												
202016		Dolan Properties													REMARKS: -2 Samples Total (4:1 Composite) Composite 478 362 855 152 Composite 371 112 132 97	
Mark E Jetterson																
12/6/05	245		X	SP05-1	1 brass	X	X									
	250			SP5-2												
	255			SP5-3												
	300			SP5-4												
	310			SP6-1												
	315			SP6-2												
	320			SP6-3												
	325			SP6-4												
REQUESTED BY:		Mark Jetterson				RESULTS AND INVOICE TO:						Blymyer Engineers c/o Mark Jetterson				
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)						
Mark E Jetterson		12/9/05 10:20		ME Vall												
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:								

ICE? GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT PRESERVED IN LAB
 DECHLORINATED IN LAB
 PRESERVATION: VOAS O&G METALS OTHER

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0512169

ClientID: BEIA

EDF: NO

Report to:

Mark Detterman
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan Properties
 PO:

Bill to:

Accounts Payable
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Requested TAT: 5 days

Date Received: 12/09/2005

Date Printed: 12/09/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0512169-001	SP5-1-4	Soil	12/6/05 2:45:00 PM	<input type="checkbox"/>	A	A	A											
0512169-002	SP6-1-4	Soil	12/6/05 3:10:00 PM	<input type="checkbox"/>	A	A	A											

Test Legend:

1	G-MBTX_S	2	PB_S	3	TPH(D)_S	4	5
6		7		8		9	10
11		12					

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense



McC Campbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Properties	Date Sampled: 12/07/05
	Client Contact: Mark Detterman	Date Received: 12/09/05
	Client P.O.:	Date Reported: 12/14/05
		Date Completed: 12/14/05

WorkOrder: 0512170

December 14, 2005

Dear Mark:

Enclosed are:

- 1). the results of 2 analyzed samples from your **#202016; Dolan Properties project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19357			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130
MTBE	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130
Ethylbenzene	ND	0.10	105	106	0.658	103	105	1.84	70 - 130	70 - 130
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130
%SS:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512170-001A	12/07/05 3:00 PM	12/09/05	12/10/05 2:43 AM	0512170-002A	12/07/05 3:40 PM	12/09/05	12/12/05 7:33 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



McC Campbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19358			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	104	105	1.30	101	102	1.44	70 - 130	70 - 130
%SS:	99	50	99	99	0	87	89	2.54	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 19358 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512170-001A	12/07/05 3:00 PM	12/09/05	12/10/05 10:32 AM	0512170-002A	12/07/05 3:40 PM	12/09/05	12/10/05 8:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

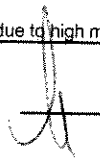
% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



McC Campbell Analytical, Inc.

110 2nd Avenue South, #107, Pacheco, CA 94553-5560
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19363			Spiked Sample ID: 0512169-002A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19363 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512170-001A	12/07/05 3:00 PM	12/09/05	12/12/05 11:21 AM	0512170-002A	12/07/05 3:40 PM	12/09/05	12/12/05 11:23 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.


% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer

BLMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501 (510) 521-3773

FAX (510) 865-2594



1801A 05/21/0

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

JOB #		PROJECT NAME/LOCATION				# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	Total Pb	HOLD	TURNAROUND TIME: 5 DAY(S)	
202016		Delon Properties													REMARKS:	
SAMPLERS (SIGNATURE)																
Mark J. Jettina																
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION												
12/7/05	300		X	SP7-1	1 brass	2	2							Composite 4 to 1 79		
	305			SP7-2												
	310			SP7-3												
	315			SP7-4												
	340			SP8-1	1 brass	2	2						Composite 4 to 1 72			
	345			SP8-2												
	350			SP8-3												
	355			SP8-4												
<p>ICE/* <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input checked="" type="checkbox"/> APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> PRESERVED IN LAB <input checked="" type="checkbox"/></p> <p>PRESERVATION VOAS <input type="checkbox"/> O&G <input type="checkbox"/> METALS <input type="checkbox"/> OTHER <input type="checkbox"/></p>																
REQUESTED BY: Mark Jettina							RESULTS AND INVOICE TO: Blymyer Engineers % Mark Jettina									
RELINQUISHED BY: (SIGNATURE) Mark Jettina			DATE / TIME 12/7/05 10:20		RECEIVED BY: (SIGNATURE) Mpl Vall			RELINQUISHED BY: (SIGNATURE)			DATE / TIME		RECEIVED BY: (SIGNATURE)			
RELINQUISHED BY: (SIGNATURE) Mark Jettina			DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE / TIME		REMARKS:						

WHITE: Accompany Sample

YELLOW: BEI, After Lab Signs

PINK: Original Sampler

McC Campbell Analytical, Inc.

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512170

ClientID: BEIA

EDF: NO

Report to:

Mark Detterman
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan Properties
 PO:

Bill to:

Accounts Payable
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Requested TAT:

5 days

Date Received: 12/09/2005

Date Printed: 12/09/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold:	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0512170-001	SP7-1-4	Soil	12/7/05 3:00:00 PM	<input type="checkbox"/>	A	A	A											
0512170-002	SPP8-1-4	Soil	12/7/05 3:40:00 PM	<input type="checkbox"/>	A	A	A											

Test Legend:

1	G-MBTEX_S	2	PB_S	3	TPH(D)_S	4		5
6		7		8		9		10
11		12						

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Property	Date Sampled: 12/08/05
		Date Received: 12/09/05
	Client Contact: Mark Detterman	Date Reported: 12/16/05
	Client P.O.:	Date Completed: 12/16/05

WorkOrder: 0512171

December 16, 2005

Dear Mark:

Enclosed are:

- 1). the results of 5 analyzed samples from your **#202016; Dolan Property project,**
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

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 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan Property	Date Sampled: 12/08/05
	Client Contact: Mark Detterman	Date Received: 12/09/05
	Client P.O.:	Date Extracted: 12/09/05
		Date Analyzed: 12/12/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0512171

Lab ID	0512171-001A	0512171-002A	0512171-003A	Reporting Limit for DF = 1	
Client ID	SEB-20	SWB-20	NEB-20		
Matrix	S	S	S		
DF	1	1	1		
				S	W

Compound	Concentration			mg/kg	ug/L
	tert-Amyl methyl ether (TAME)	ND	ND	ND	0.005
t-Butyl alcohol (TBA)	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	0.005	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	0.005	NA
Diisopropyl ether (DIPE)	ND	ND	ND	0.005	NA
Ethanol	ND	ND	ND	0.25	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	0.005	NA
Methanol	ND	ND	ND	2.5	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SSI:	89	89	91		
Comments					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 19357			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130
MTBE	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130
Ethylbenzene	ND	0.10	105	106	0.658	103	105	1.84	70 - 130	70 - 130
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130
%SS:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/09/05 7:31 PM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/15/05 1:45 PM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/09/05 10:52 PM	0512171-004A	12/08/05 2:05 PM	12/09/05	12/10/05 2:10 AM
0512171-005A	12/08/05 2:35 PM	12/09/05	12/12/05 6:13 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19358			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	104	105	1.30	101	102	1.44	70 - 130	70 - 130
%SS:	99	50	99	99	0	87	89	2.54	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19358 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/10/05 7:29 AM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/10/05 12:02 PM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/10/05 1:11 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



McC Campbell Analytical, Inc.

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Website: www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 19364			Spiked Sample ID: 0512175-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	101	103	1.54	102	105	2.84	70 - 130	70 - 130
%SS:	103	50	97	99	1.52	87	90	2.87	70 - 130	70 - 130

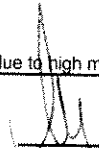
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19364 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-004A	12/08/05 2:05 PM	12/09/05	12/10/05 9:46 AM	0512171-005A	12/08/05 2:35 PM	12/09/05	12/10/05 8:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644


QA/QC Officer



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

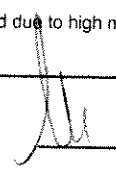
EPA Method: SW8260B		Extraction: SW5030B			BatchID: 19359			Spiked Sample ID: 0512165-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	116	111	4.21	112	111	1.12	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	100	97.3	3.17	101	99.7	1.18	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	107	108	0.860	113	106	6.22	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	110	107	2.85	106	106	0	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	108	103	4.62	102	102	0	70 - 130	70 - 130
Ethanol	ND	2.5	97.8	105	6.72	101	107	5.73	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	97.9	3.18	98.5	98.1	0.353	70 - 130	70 - 130
Methanol	ND	12.5	98.8	101	2.14	101	98.4	2.46	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	104	100	3.90	102	99.4	2.31	70 - 130	70 - 130
%SSI:	90	0.050	111	108	2.87	104	106	1.92	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19359 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/12/05 1:55 PM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/12/05 2:37 PM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/12/05 3:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

 QA/QC Officer



McC Campbell Analytical, Inc.

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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: 6010C		Extraction: SW3050B				BatchID: 19363			Spiked Sample ID: 0512169-002A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 19363 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/12/05 11:05 AM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/12/05 11:07 AM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/12/05 11:10 AM	0512171-004A	12/08/05 2:05 PM	12/09/05	12/12/05 11:12 AM
0512171-005A	12/08/05 2:35 PM	12/09/05	12/12/05 11:14 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not applicable to this method.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer



3419 0512171

CHAIN OF CUSTODY RECORD

JOB #		PROJECT NAME/LOCATION		# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020) / ANTB	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.11)	BTXE (EPA 8020/602)	Total Pb	Fuel Oxyg/Lead Sca.	HOLD	TURNAROUND TIME: 5 DAY(S)	
SAMPLERS (SIGNATURE)		DATE												TIME	COMP
202016		Dolan Property													
Mark [Signature]															
	12/8/05	1000	X	at SEB-20	1 box	X	X				X	X		7.0	
		1030	X	SWB-20		X	X				X	X		10.5	
		1245	X	NEB-20		X	X				X	X		1.7	
		205	X	SP9-1		X	X				X				
		240		SP9-2											
		245		SP9-3											
		220		SP9-4											
		235	X	SP10-1		X	X				X				
		230		SP10-2											
		245		SP10-3											
		250		SP10-4											
ICE? <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input checked="" type="checkbox"/> APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> PRESERVED IN LAB <input checked="" type="checkbox"/> VOAS <input type="checkbox"/> O&G <input type="checkbox"/> METALS <input type="checkbox"/> OTHER <input type="checkbox"/>															
REQUESTED BY: Mark [Signature]				RESULTS AND INVOICE TO: Blymyer Engineers, Inc. % Mark [Signature]											
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)					
Mark [Signature]		12/10/05		M [Signature]		Mark [Signature]									
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:							
Mark [Signature]															

McC Campbell Analytical, Inc.

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512171

ClientID: BEIA

EDF: NO

Report to:

Mark Detterman
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan Property
 PO:

Bill to:

Accounts Payable
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

Requested TAT: 5 days

Date Received: 12/09/2005

Date Printed: 12/09/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0512171-001	SEB-20	Soil	12/8/05 10:00:00	<input type="checkbox"/>	A	A	A	A										
0512171-002	SWB-20	Soil	12/8/05 10:30:00	<input type="checkbox"/>	A	A	A	A										
0512171-003	NEB-20	Soil	12/8/05 12:45:00	<input type="checkbox"/>	A	A	A	A										
0512171-004	SP9-1-4	Soil	12/8/05 2:05:00 PM	<input type="checkbox"/>		A	A	A										
0512171-005	SP10-1-4	Soil	12/8/05 2:35:00 PM	<input type="checkbox"/>		A	A	A										

Test Legend:

1	9-OXYS_S	2	G-MBTEX_S	3	PB_S	4	TPH(D)_S	5
6		7		8		9		10
11		12						

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.