



*Phase 1 Update*

*Environmental  
Investigation*

*for*

*Stone Boat Yard  
Alameda, California*

---

*Prepared For*

*Dan Reynolds  
Power Engineering  
1501 Viking Street #200  
Alameda, CA 94501*

*October 8, 2004*

Civil,  
Environmental  
& Water  
Resources

*Phase 1 ESA Update*

*Environmental  
Investigation  
for  
Stone Boat Yard  
Alameda, California*

---

*Prepared For*

*Dan Reynolds  
Power Engineering  
1501 Viking Street #200  
Alameda, CA 94501*

*Project #240165*

*Prepared By*

*Questa Engineering Corporation  
1220 Brickyard Cove Road, Suite 206  
Point Richmond, California 94807  
(510) 236-6114*

*October 08, 2004*

  
Jeffrey H. Peters, REA



## 1.0 SUMMARY

This report updates the Questa Engineering Corporation Phase I Environmental Site Assessment dated November 2, 1999. The site is located at 2517 Blanding Avenue in the City of Alameda, California, and is located on the tidal canal tributary to San Leandro Bay. It consists of a boatyard with an office building, repair shops, and work layout shop or loft, covered painting area, paint storage shed, and three work barges, one of which is also used to temporarily store customer fuel pumped off of vessels while being repaired. Virtually the entire site is paved with concrete.

This update covers the same area investigated in 1999 and is shown on **Figure 1**. The site also includes an approximately 1 ¼-acre lease area located between Blanding Avenue and the tidal canal waterfront to the northeast. This parcel includes a small sliver of land tapering from three feet to as wide as 15 feet, landward of the concrete waterfront bulkhead. Most of the lease area is open water in a parcel about 80 feet wide by 680 feet long. An approximately 600-foot long floating dock is located in the center of the lease area. The landward sliver parcel of the lease area is also covered by a thick concrete slab. The leased parcel is owned or controlled by the City of Alameda

The investigation was performed following the Standard Practice E 1527-97 for Environmental Site Assessments (ESA), developed by the American Society for Testing and Materials (ASTM). The processes used for the ESA or Phase I investigation included records review, site reconnaissance and interviews with knowledgeable parties. Some limited soil and sediment samples were also obtained to provide additional characterization of the property. An EDR report is included as **Appendix A**.

This update finds no significant change in land use at the site or vicinity, which would increase the environmental hazard reported in 1999. An area of apparent metals contaminated fill soil (stainless steel metal shavings mixed with fill) was identified as occurring adjacent to the property on the northwest, owned by Allied Engineering and Production Company. This went un-noticed and unreported in the 1999 Phase I. It is possible that a thin sliver of contaminated soil extends a few feet onto the property along the property boundary here along a small short length tidal ditch or cut that is the approximate property boundary. Since Allied's operation postdates Stone Boatyard, it is not believed that the metals contamination extends under the Boatyard. It is likely that high levels of metals also occur in the sediment in this area. Any future re-use or re-development of the Allied property will likely trigger a Phase II investigation and clean-up of the Allied property. Allied (or the new owner) should be responsible for cleanup of this area.

The Underground Storage Tank (UST) identified in the initial Phase I was closed in-place by backfilling the tank with a 3-sack cement slurry on December 16, 1999. In response to the closure and a subsurface investigation completed by Blymer Engineers the Alameda County Health Care Services Agency (ACHCSA) declared no further investigation was warranted at the site in a letter dated January 25, 2000. Reports of the subsurface investigation, tank closure and closure letter are included as **Appendix B**.

The business has not changed at the site since 1999, but the offices and shops at the site have been repainted and remodeled in the intervening years. No significant quantities of hazardous substances were located at or on the subject site from either current or past uses of the subject property. However, an assortment of scraps, including metal filings, hull blast grit, and paint chips, has accumulated in certain areas on top of the concrete. Also noted was a sliver fill consisting of metal

shavings embedded in soil adjacent to the northeast corner of the property on land used by Allied Engineering and Production Company. Based upon conversations with Mr. Cryer at the Stone Boat Yard the metal is thought to be predominantly 316L Stainless Steel, which explains the absence of rust despite exposure to tidal waters.

A sheen is present on the water next to the channel, but no evidence was found of any significant releases of hazardous substances or contamination on neighboring properties that might affect the subject site and use of the property. The sheen apparently reflects the overall concentration of industrial and commercial activity along the inner harbor rather than release from the site itself. As part of the site investigation, several grab samples were taken that document relatively high levels of copper and zinc locally in sediment, as well as dust, paint chips and blast grit swept off the concrete. A dumpster used to clean the yard and office area also occurs on site, but we understand that this, as well as storage containers located along the eastern property line, will be removed in the near future.

No evidence of contamination of soil beneath the concrete is indicated from a sample of sandy material recovered between concrete slabs. A sediment sample taken from the end of the dock indicates relatively low metal concentrations at that location, which appear to be within the background range of metal for the entire harbor. A sample collected from the pile of metal adjacent to the property revealed concentrations of chromium, lead and nickel that exceed the total threshold limit concentrations (TTLC) for hazardous waste. These high concentrations likely reflect the composition of 316L stainless steel. Due to high concentrations of these metals the sliver fill containing the metal may need to be removed in the future. Since the boatyard predates Allied Industries this may involve a simple excavation with limited impact to the subject site.

## **2.0 INTRODUCTION**

### ***Purpose***

The purpose of this environmental site assessment is:

1. To determine if there are any apparent sites on the property or on adjacent parcels which may require remediation or further investigation;
2. To determine if there were any past practices relating to storage, use and disposal of hazardous materials or hazardous wastes which were not in compliance with applicable local, state and federal rules and regulations, with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA);
3. To assess the probable magnitude, likely extent and degree of seriousness of any encountered areas of concern; and
4. If necessary, to acquaint the property owner with proper toxic materials and waste handling, use, storage, and disposal guidelines and practices.

Involved Parties:

- Stone Boat Yard - Ms. Grace C. Bodle and Mr. William Bodle, sellers
- Power Engineering - Mr. Dan Reynolds, buyer
- Questa Engineering Corporation - Mr. Jeffrey H. Peters, R.E.A., and Mr. Joseph Farrow, staff geologist -- environmental assessors

*Special Terms and Conditions*

The following is a list of acronyms and terms used in this practice:

AST:	Aboveground Petroleum Storage Tank Facilities
CALSITES:	Information pertaining to State (CA) Hazardous Waste Sites
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CERCLIS:	Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA).
CHMIRS:	California Hazardous Material Incident Report System
ERNS:	Emergency Response Notification System
FR:	Federal Register
HAZNET:	Hazardous Waste Information System
HMIRS:	Hazardous Materials Information Reporting System
LUST:	Leaking Underground Storage Tank
MLTS:	Materials Licensing Tracking System
NPDES:	National Pollution Discharge Elimination System
NPL:	National Priorities List
PCBs:	Polychlorinated Biphenyls
RAATS:	RCRA Administrative Action Tracking System
RCRA:	Resource Conservation and Recovery Act

RCRIS:	Resource Conservation and Recovery Information System
SWIS:	Solid Waste Information System
TPC:	Toxic Pits Clean-Up Act
TSD:	Treatment, Storage or Disposal
UST:	Underground Storage Tank
WDS:	Waste Discharge System

### *Limitations and Exceptions of Assessment*

In conjunction with this study, the consultant can not and does not certify to non-contamination of the subject property and can not and will not indemnify the client against all direct or indirect loss or damage that may occur should contamination exist which is not disclosed in this report. To provide such certification or indemnification would require testing and analysis of all natural and man-made substances at the subject property, which is technically impracticable and economically infeasible. This investigation, while it cannot eliminate all risks, is intended to minimize risks consistent with the nature of the study, which the client authorizes, and current accepted (state-of-the-art) techniques and procedures. This study assumes that the client has fully disclosed to the consultant all pertinent information regarding the subject property known to or available to the client with reasonable investigation and inquiry by the client.

### *Limiting Conditions and Methodology Used*

- Review all available agency files and records to collect pertinent information regarding the subject site and adjacent sites.
- Perform site inspection and interview knowledgeable parties, including current owners, occupants, and local government officials.
- Review and interpret historical aerial photos and file information regarding prior site uses.
- Prepare report of findings and recommendations.

### **3.0 SITE DESCRIPTION**

#### *Location and Legal Description*

The one acre site is located at 2517 Blanding Avenue in the City of Alameda in Alameda County. The site is situated near the northeast end of Alameda Island and borders the Tidal Canal, which connects San Francisco Bay with San Leandro Bay (see **Figure 1**). The site consists of one parcel identified as Alameda County Assessor's Parcel No. 70-196-24. The 1 ¼-acre lease area is adjacent to the Boatyard on the waterfront of Fernside Shopping Center. This parcel is identified as Alameda County Assessor's Parcel No. 70-196-28.

#### *Site and Vicinity Characteristics*

The subject property is completely flat and sits approximately seven to eight feet above the Alameda Harbor Tidal Canal. The entire facility has been paved since 1987, with much of it paved beginning in the late 1930s. As described in the summary section, the lease area is mostly open water, except the narrow sliver of land, landward of the concrete bulkhead line.

The surrounding area is primarily commercial and light industrial with mostly small businesses, including auto repair and body shops, electric supply, dry cleaners, film manufacturer, and printing shop. The most prominent business is the Fernside Shopping Center on Blanding Avenue, which borders the subject property on the east.

#### *Descriptions of Structures and Other Improvements on The Site*

Structures on the site consist of the following: (see **Figure 2**)

- Single Story Office Building
- Construction building which houses a machine shop (where vessels of limited dimensions can be repaired or built);
- Store room;
- Pattern loft (where patterns are laid out for construction of vessels);
- Two floating barge/shops;
- Several 30-foot containers which are used for storage;
- Toilet facilities;
- Office trailer;
- 600-ton marine railway;
- 50-ton Travel Lift (to dry dock vessels)
- Paint storage trailer

### *Information Regarding Environmental Liens*

As can be reasonably ascertained through checking of title records and interviews with the property owner and manager, no environmental liens against the property have been identified.

### *Current Uses of the Property*

The Stone Boat Yard facility has been used for new construction and major repair of marine vessels. The site serviced the Bay Area and West Coast of North America. Much of the repair work at the facility is done aboard the vessel in the water. The 600-ton marine railway and 50-ton travel lift are used to dry dock vessels when required by the scope of work. Site work includes interior and exterior structural repair of boats and ships, engine and mechanical system repair, and occasional hull cleaning and painting. The hull cleaning and hydro-washing is completed over a concrete slab, with all runoff collected inside a containment system, and runoff directed to a on-site filtering and treatment system. The treatment system is "home-made and includes a settling basin and sand filter. Although suitable at the time of its construction, commercial treatment systems that can achieve a higher level of treatment are now available. County and Regional Board requirements and Best Management Practices are that all debris from hull cleaning be regularly swept up and collected and placed in drums which are periodically tested and hauled off to appropriate landfills by specialty hazardous waste contractors. However some debris including paint chips and blast-grit, totaling perhaps 2 or 3 cubic yards has accumulated in places on the concrete surface and in cracks. Oil, solvents and other fuels and commercial chemicals are stored in paint trailer, with spent and used materials collected and stored in drums for off-haul by recyclers. Some (2 or 3) 5 gallon containers of sealant and marine paint were observed on the concrete pads and not properly stored, although this is a minor issue.

### *Past Uses of the Property*

The earliest record available, the 1897 Sanborn Fire Insurance map indicates subject site was vacant; property to the immediate west occupied by a hay barn. Prior to 1939 (and according to the property owner, since the early 1900s) the site was used as a construction site for wooden barges. Stone Boat Yard has occupied the site since 1939. The boat yard was used solely for new construction until 1948, when a marine railway was constructed. Most of the site prior to that time consisted of two inclined boat ramps which were used for in-water boat construction. Small to medium sized naval vessels were constructed during World War II. Following the war, the facility has constructed barges, tugboats, yachts, and world class racing sailing ships. No boats were dry docked on the facility until 1948. Most of the site work area was capped with concrete during the 1960s and 1970s, one large slab next to the travel lift is inscribed 78, indicating placement in 1978. By 1987 the entire facility had been capped.



### *Current and Past Uses of Adjoining/Nearby Properties*

Adjacent property to the east was occupied by Loop Lumber Company from approximately 1900 until the early 1970s when the Fernside Shopping Center was built on the property. The former Albertsons grocery store is currently being demolished and replaced with a new grocery store. The Loop Lumber Company received timber and lumber by schooner at the lease area waterfront where the timber was off-loaded and stored for milling. According to Stone Boatyard personnel, the on-site sawmill was entirely fueled by steam power generated from wood waste. Part of the property to the west belonged to Stone Boat Yard until 1950, and was used exclusively for new boat construction. It was sold to National Metals (now Allied Engineering and Production Company) (adjacent property owners) in the mid 1950s. Allied has used it since then as a storage space for steel. The other property to the west was occupied by Alameda Rug Co. and was used as a storage facility for carpets. It was sold to Clamp Swing Co. in the late 1950s, which manufactures metal labels used in grocery stores. Across the street is a small auto repair business. Sanborn Fire Insurance maps of 1948 and 1950 indicate the presence of a brass foundry directly across Blanding Avenue from the subject site.

## **4.0 RECORDS REVIEW**

### *Standard Environmental Record Sources*

Records of adjacent and nearby properties were researched to determine if problems with hazardous materials existed at any of these properties, which could significantly affect the subject site.

One of the primary sources of information used in this research was the Environmental Data Resources (EDR) report and radius map of September 15, 2004 (see **Appendix A**), a compilation of Federal and California State Agency environmental data which identifies environmental/hazardous materials problem sites specifically in relation to the subject property. The sources checked included NPL, CERCLIS, RCRIS, Federal Enforcement Docket System, ERNS, CALSITES, Cortese, UST, LUST, TPC, and SWIS. The search parameter targeted sites located within a one-mile radius of the subject site, as well as within the same zip code.

There were no complaints or actions regarding the subject site pertaining to hazardous materials in the records search conducted, which also included files of the Alameda County Department of Health Services and the San Francisco Bay Regional Water Quality Control Board.

The most common off-site source of contamination that can affect uses of a property are from nearby leaking underground storage tanks (LUSTS). Basically all the sites nearby listed on LUST database that could reasonably be expected to impact the property have either been remediated or closed. It appears there were or are no seriously contaminated sites in the immediate vicinity. Most of the

moderately serious sites are in Oakland, across the Tidal Canal, and would not be expected to impact uses of the property.

### *Physical Setting Sources*

A USGS 7.5 Minute Topographic Map (Oakland East quadrangle, 1959, photo-revised 1980) was reviewed along with USGS Geologic Map for the Oakland East Quadrangle, and the USDA Soil Survey for Alameda County to obtain information about the geologic, hydrogeologic and topographical characteristics of the site and surrounding area.

### *Historical Use Information*

Historic aerial photos, that included the subject site, were inspected by Questa personnel. The objectives were to verify whether or not fill-areas, sumps, aboveground storage tanks or any other signs of hazardous materials were evident. Photos were examined covering the years of 1950, 1971, 1983, 1990, 1998, 2002, and 2004. Except for the two most recent photos, aerial photos were enlargements of existing file photos from Pacific Aerial Surveys of Oakland with a scale of approximately 1:600. High-resolution color aerial photos dated June 19, 2002 and February 27, 2004 were obtained from the Internet at [teraserver.com](http://teraserver.com).

Historical Sanborn Fire Insurance maps, which covered the years 1897, 1948, 1950 and 1987, were used as additional sources of information regarding the site and surrounding area. These maps cover six square blocks in area and show types of businesses and/or site use, construction materials, tanks and other physical features existing at that time. The property owner and several site employees have worked at the property since the mid-1940s and also provided valuable historical information on property and adjacent area history.

### *Additional Record Sources*

Other record sources checked included the California Waste Discharger System (WDS) Report, which lists active and regulated facilities which discharge hazardous waste into surface water or groundwater. No sites were listed within a 1-mile radius of the target site.

## **5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS**

Questa personnel visited the site on September 28, 2004 and spoke with Mr. Daniel Reynolds of Power Engineering, who is purchasing the property. This visit updates the reconnaissance on September 15, 1999 at which time Mr. William Bodle (owner/ manager, of Stone Boatyard Inc.) provided Questa personnel with information and access to the site. The subject property buildings and grounds were inspected for any signs of hazardous materials or hazardous waste. There was no visual or other physical evidence of any significant leaks or spills from hazardous materials. There

was some dust, apparent blast grit and paint chips from operations on top of the concrete. A dumpster was partially filled with regular non-toxic refuse generated at the site.

As previously indicated, the entire site is covered by a thick concrete cap, which is in generally good condition. Any potential contaminants from prior uses of the property (none are known) are isolated from the environment by the concrete cap, which includes a concrete bulkhead at the waters edge.

Previously, additional and corroborating information was obtained through telephone interviews with local government officials. The City of Alameda Fire Department was contacted by phone on October 25, 1999; at that time Ms. Eunice Thomas of the Alameda Fire Department indicated that the agency had no record of any violations associated with the subject site or neighboring parcels. This was verified by Alameda Fire Department records of inspection which were provided to Questa by the property owner. Based on that conversation it was discovered that two underground storage tanks may be at the site. It was then confirmed that one storage tank is located underneath the sidewalk in front of the office. The empty underground storage tank was filled on December 16, 1999.

Previously Mr. Rob Weston of the Alameda County Environmental Health Hazardous Waste/Underground Tanks (which oversees hazardous waste/contamination issues) was also interviewed by phone on October 25, 1999. Mr. Weston corroborated the information contained in the EDR report. He indicated that his agency had no records of any investigations or complaints regarding the subject property. In a letter dated January 25, 2000, Mr. Weston declared no further investigation was warranted at the site in regard to the UST.

The San Francisco Bay Regional Water Quality Control Board has responsibility for overseeing uses of the site that might impact surface water and groundwater. The Regional Board has focused on Boatyards since the early 1990s as a potential threats to bay water, mainly because of boat hull cleaning and preparation work for painting. The Regional Board requires that Boatyard operators prepare and implement a Best Management Practices (BMP) program to minimize surface runoff contaminants, and collect and treat boatyard runoff from active work areas, particularly hull cleaning areas. Stone Boatyard has prepared and has on file an approved BMP program. The Regional Board and City Fire Department make periodic inspections of the facilities to insure compliance with the BMP's. To date Stone Boatyard is in compliance with the Regional Board's program requirements, and does not have any citations or clean-up notices on file.

Copies of an environmental questionnaire completed by the current property owners, Olson Properties, as well as permits, certificates, and a storm water report from the SWRCB are included in **Appendix C**.

### *Hazardous Substances in Connection with Identified Uses*

Grab samples of sediment sludge, native sandy material, dust and grit, as well as mixed soil and metal shavings were collected on September 28 and 30, 2004 by Questa Engineering Corporation. Grab samples were tested for cadmium, chromium, copper, lead, nickel, and zinc, which are the primary metals associated with boatyard operations. This is often a concern because boat hull paints contain toxic quantities of these materials as anti-fouling material. When the boat hull washing operations remove marine organisms, some quantity of paint can be washed into the nearby waters.

Sandblasting operations often have used grit materials from mine waste slag, some of which are high in copper. Because of this, bay mud near boatyard work areas often contains elevated to significantly contaminated levels of toxic metals. Samples were also tested for cadmium, chromium, and nickel.

The samples were analyzed by Micro Analytical Laboratories of Emeryville, California. Results of the analysis are summarized in **Table 1**. Laboratory test reports are presented in **Appendix D**. The analysis results indicate concentrations exceed the TTLC for hazardous waste for copper in sediment samples taken at Sites 1 and 4, and zinc for sediment at Site 1. The sample at Site 6 contained concentrations exceeding the TTLC for hazardous waste levels for total chromium, nickel and lead. These values exceed the California Title 22 Hazardous Waste Regulation levels. Lower metal concentrations below the TTLC concentrations, but exceeding the Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Commercial and Industrial Land Use were found at Site 1 for chromium and at Site 4 for chromium and zinc. Site 6 also exceeded the ESLs for cadmium, copper and zinc.

Only small quantities of hazardous substances have been identified as being used and stored on site. There are no records of violations in the handling, storage or disposal of hazardous waste.

### *Storage Tanks*

Since the original Phase 1 ESA report in 1999, the major remedial action in response to recommendations from the original report was to abandon a 500-gallon gasoline underground storage tank (UST) located in the sidewalk in front of the office building at the site. Closure of the former gas tank is the subject of a December 30, 1999 report by Blymer Engineers, Inc. Abandonment of the tank by plugging or filling with concrete was selected since excavation and removal of the tank was considered likely to undermine the foundation for the existing office building. Based on a site reconnaissance on November 23, 1999 it was determined that the tank has an approximate diameter of 33-inches and is three feet long with a nominal storage capacity of 250 gallons. In addition, a subsurface investigation consisting of a single soil bore to a depth of 11 feet bgs was completed to assess conditions.

The subsurface investigation revealed groundwater at a depth of 10.5 feet bgs, beneath the UST excavation. Elevated photo ionization detector (PID) readings indicating organic chemical contamination were present in UST backfill at a depth of 5.5 feet bgs, but are apparently limited to fill in proximity to the fill port. TPH as gasoline, TPH as diesel and benzene, toluene, ethylbenzene and xylenes (BTEX) were not detected above the method detection limit at a depth of 1.5 to 2 feet below the bottom of the UST.

The underground storage tank was closed in-place by backfilling the tank with a 3-sack cement slurry on December 16, 1999. In response to the closure and a subsurface investigation completed by Blymer Engineers the Alameda County Health Care Services Agency (ACHCSA) declared no further investigation was warranted at the site in a letter dated January 25, 2000.

### *Asbestos*

There was no immediately apparent evidence during the site inspection of any asbestos-containing materials. Furthermore, an environmental questionnaire completed by the current owner, Olson Properties, indicates no asbestos is known to exist at the site. However, a more thorough building inspection, including sampling of ceiling tiles and other building materials in the office building, should be completed by prospective property purchasers.

### *Indications of PCBs*

No known source of PCBs or evidence of past PCBs use on site was evident. In addition, the PCB Activity Database System, which tracks generators, transporters, commercial stores, and disposers of PCBs, has no listings within the search radius of the subject site. An environmental questionnaire completed by the current owner, Olson Properties, indicates no PCB's are known to exist at the site. The site reconnaissance revealed the presence of an abandoned electrical line and box which is submerged along the northwest property line, apparently just off-site.

### *Indications of Solid Waste Disposal*

The only evidence of solid waste disposal is the pile of metal shavings that borders the northeast corner of the property on land belonging to Allied Engineering and Production Company, which apparently consist of 316L Stainless Steel. This mixed metal and soil fill postdates the Stone Boatyard and therefore likely does not extend under the Boatyard. Future cleanup of the Allied site should be anticipated along with any change in ownership use, or redevelopment. Aside from that, there are no indications from the records review, site reconnaissance, or interviews that the site or surrounding properties were ever used for solid waste disposal. Current waste disposal practices at the subject site appear to be performed in accordance with proper testing and manifesting when required. According to the environmental questionnaire completed by the property owner, Olson Properties, sandblasting grit, paint waste, and oily water/waste oil is disposed of in accordance with State Law by licensed subcontractors. Drums are used to store liquid waste temporarily, prior to disposal, which are stored on drum safety pallets on the west side of the property. Waste paints and thinners are stored in a paint container on the east side of the property.

### *Physical Setting Analysis*

The 1999 subsurface investigation indicates the site is underlain by clayey sand soils near Blanding Avenue. A soil sample taken from between concrete cracks on the east side of the boat ramp also found sandy soil and therefore clayey sand soil likely underlies much of the site. The boat ramp wall exposes several layers of concrete at the site. Reportedly, prior to concrete covering the site there was much red rock (brick) at the site. Groundwater was encountered at a depth of at least 11 feet below the ground surface in front of the office and is likely tidally influenced since the site is

adjacent to a tidal canal connected to the bay. Based on these observations it is expected that the concrete cover has effectively eliminated infiltration of contaminants directly into soil underneath the site for at least 20 years. While any contaminant that found its way below the concrete would likely have reached the brackish groundwater fairly quickly and dispersed. Results from the UST investigation indicate insignificant residual contamination of petroleum at that site which was low enough to receive a declaration of no further action from the ACHCSA.

### *Other Conditions of Concern*

There were no signs of stressed vegetation, barren soil, sumps, pits, or ponds that might indicate hazardous materials use or waste. No strong or unusual odors were noted at the site or in the general area. As previously indicated, virtually the entire property is under concrete.

## **6.0 FINDINGS AND CONCLUSIONS**

Since the 1999 investigation, the most significant change at the site has been the final closure of the UST underneath the sidewalk in front of the site by filling with concrete. Olson properties has continued to dispose of waste in accordance with state law by licensed subcontractors. Contamination of the subsurface has likely been effectively eliminated by the concrete pads which cover the site.

Perhaps the most significant new issue is the area of metal shavings contaminated soil adjacent to the northeast corner of the property on land belonging to Allied Engineering and Production Company. This zone of probable contamination extends from approximately Mean Lower Low Water to the top of the bank (approximately 8 feet vertical distance) and about 30 feet along the bank slope above the cut or ditch that forms the approximate property line. Testing of a grab sample from this area reveals very high concentrations of chromium and nickel, a slightly lower concentration of lead, and moderately high concentrations of cadmium and zinc. Some of the elevated chromium and nickel may be due to digestion of stainless steel shavings which occur in the soil, rather than the actual occurrence of soluble and biologically mobile and available metallic compounds attached to soil particles. Elevated levels of lead, cadmium and zinc may also reflect other material (beside the stainless steel shavings) disposed of by Allied in the fill of this area. The total volume of these metals contained in the bank does not appear to be large, but it is difficult to ascertain how far into the bank the metal shavings material extends along the waterfront. The site is included on the LUST and CA SLIC list provided to EDR, but no current actions are proposed.

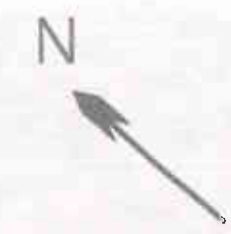
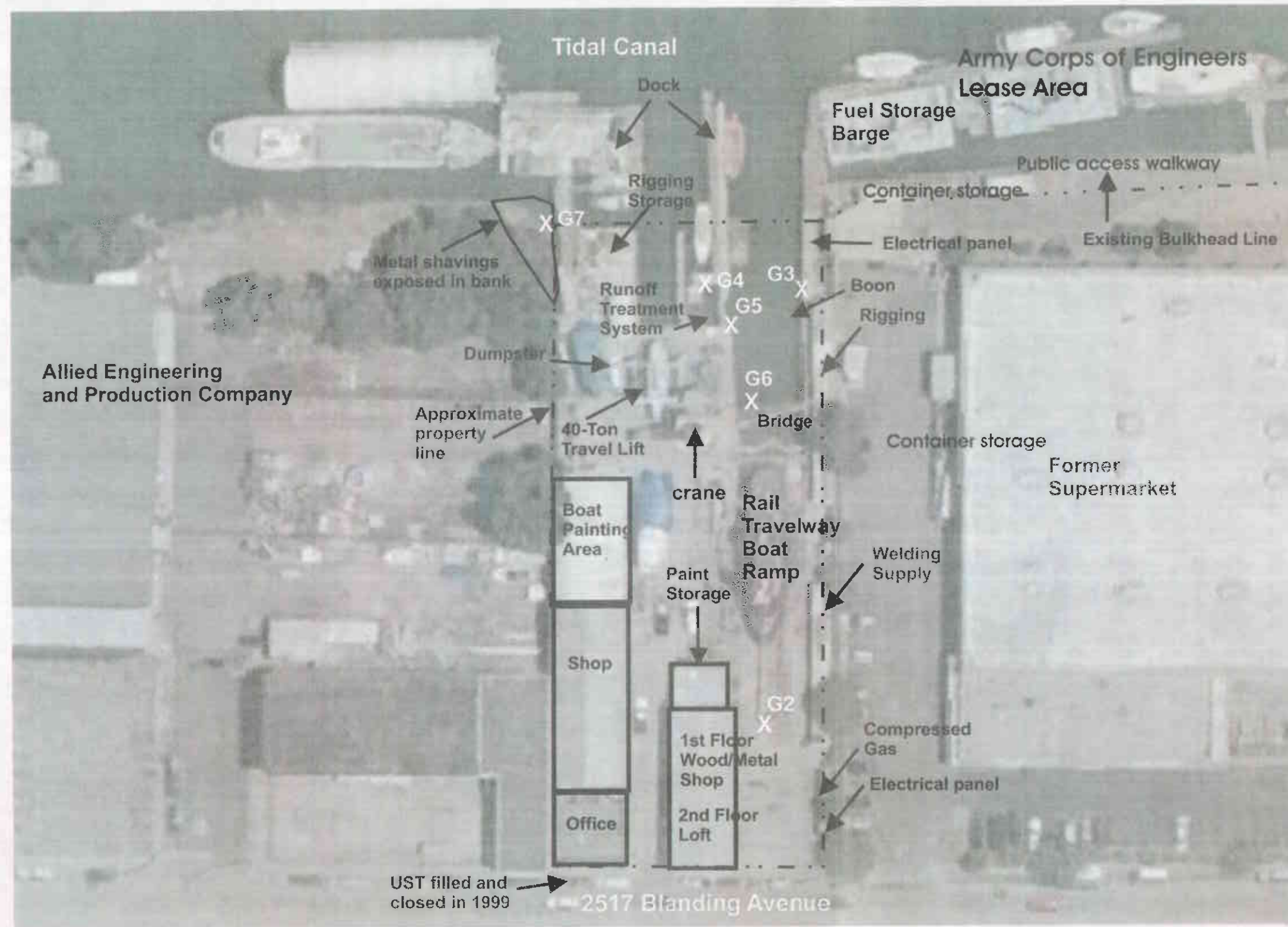
Another potentially significant environmental condition which might affect the subject property due to current or past uses is the occurrence of sediment (Bay Mud) with elevated levels of metals. The three sediment samples taken near the dock and boat ramp indicate that local concentrations of copper and zinc are elevated. This is a common concern in boatyards. This is an area of potential future environmental liability that prospective property purchasers need to be aware of. There are currently no firm criteria with which to judge action levels for low level contaminated sediments, only for highly contaminated sediments. Currently neither the County or Regional Board have an active program to routinely investigate or clean-up contaminated sediments, or sediments with

slightly to moderately elevated levels of metals. In part this is due to uncertainty over the criteria and clean-up standards that should apply, and partly this is due to the realization that it may be better to let the mildly contaminated sediments lie undisturbed, rather than re-suspend them in the water column during dredging and removal.

Our assessment did not discover any other evidence or information of spills or other release incidents relating to storage, use and disposal of hazardous materials. Based on the inspection of the facility and subsequent interviews with knowledgeable parties, there were no indications of any significant recent use of hazardous materials at or immediately adjacent to the property aside from the remnant metals containing fill material on the Allied property.

Based on our analysis of available reports, aerial photos and other information, it is unlikely that any of the sites listed in the environmental databases could affect the site. We do not recommend a Phase II investigation be conducted, provided the site continues in a commercial or industrial land use. Additional investigations should be conducted if there is a proposed change in land use to residential and removal of the concrete slabs is planned.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-97 of 2517 Blanding Avenue, Alameda, California. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.



G2 Location of Grab Sample  
X



Date: 10/07/04  
 Drawn: JF  
 Apprd: JP  
 Dwg. No: 240165sleplanv2



Stone Boat Yard  
 Phase 1 Update  
 Alameda, California

FIGURE  
 1



## EXECUTIVE SUMMARY

RCRIS-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>ANALYSTS INCORPORATED</i>	<i>2910 FORD ST</i>	<i>1/8 - 1/4 N</i>	<i>K47</i>	<i>53</i>

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 15 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CLASSIC CLEANERS</i>	<i>2631 BLANDING AVE</i>	<i>0 - 1/8 SSE</i>	<i>C7</i>	<i>12</i>
<i>ICONOCO CALIFORNIA INC</i>	<i>303 DERBY AVE</i>	<i>0 - 1/8 NE</i>	<i>D9</i>	<i>16</i>
<i>SHELL OIL CO OAKLAND PLANT</i>	<i>315 DERBY AVE</i>	<i>0 - 1/8 NE</i>	<i>D10</i>	<i>20</i>
<i>SIMMONS TERMINAL CORP</i>	<i>315 DERBY AVE</i>	<i>0 - 1/8 NE</i>	<i>D13</i>	<i>21</i>
<i>M &amp; J BODY &amp; PAINT SHOP</i>	<i>1925 EVERETT STREET</i>	<i>1/8 - 1/4 WSW</i>	<i>F17</i>	<i>24</i>
<i>U C HOUSEHOLD SHIPPING CO</i>	<i>333 LANCASTER ST</i>	<i>1/8 - 1/4 ENE</i>	<i>27</i>	<i>33</i>
<i>CONSOLIDATED ENGINEERING LABS</i>	<i>415 PETERSON ST</i>	<i>1/8 - 1/4 N</i>	<i>G30</i>	<i>35</i>
<i>ALAMEDA AUTO BODY</i>	<i>1814 EVERETT ST</i>	<i>1/8 - 1/4 SW</i>	<i>41</i>	<i>47</i>
<i>F &amp; F SURFACE GRINDING</i>	<i>510 DERBY AVE</i>	<i>1/8 - 1/4 NE</i>	<i>I43</i>	<i>50</i>
<i>GILRO STAMPING CO.</i>	<i>2915-37 FORD ST</i>	<i>1/8 - 1/4 N</i>	<i>K44</i>	<i>50</i>
<i>RON GOODE TOYOTA</i>	<i>2424 CLEMENT AVE</i>	<i>1/8 - 1/4 W</i>	<i>L48</i>	<i>54</i>
<i>EXXON CO USA ALAMEDA BULK PLT</i>	<i>2001-A VERSAILLES</i>	<i>1/8 - 1/4 SE</i>	<i>N53</i>	<i>60</i>
<i>GOODE MITSUBISHI</i>	<i>1918 PARK ST</i>	<i>1/8 - 1/4 W</i>	<i>59</i>	<i>64</i>
<i>ALAMEDA COLLISION REPAIR INCOR</i>	<i>1911 PARK STREET</i>	<i>1/8 - 1/4 W</i>	<i>L61</i>	<i>66</i>
<i>ALAMEDA USD ISLAND CONTINUATIO</i>	<i>2437 EAGLE AVE</i>	<i>1/8 - 1/4 WSW</i>	<i>74</i>	<i>78</i>

### STATE ASTM STANDARD

**AWP:** California DTSC's Annual Workplan, formerly known as BEP, identifies known hazardous substance sites targeted for cleanup. The source is the California Environmental Protection Agency.

A review of the AWP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 AWP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PORT OF OAKLAND, BERTH 25 AND</i>	<i>2700 7TH STREET</i>	<i>1/4 - 1/2 NNW</i>	<i>AB107</i>	<i>124</i>

**Table 1: Summary of Environmental Samples  
Stone Boatyard Phase I**

	Site Location	metal concentration (mg/kg)					
		Cadmium	Chromium (total)	Copper	Nickel	Lead	Zinc
G2	Site 1 – Cable spool detritus	26	82	8600	37	86	13,000
G3	Site 2 – Exposure in channel concrete wall	4.5	16	75	14	6.4	93
G4	Site 3* – Sediment - end of dock	3.5	37	150	34	25	140
G5	Site 4* – Sediment - side of dock	6.0	<120	6900	28	42	3000
G6	Site 5* – Sediment - end of ramp	3.0	33	220	27	41	140
G7	Site 6 - Soil bank cut w/metal turnings	27	12,000	1100	5400	1100	600
	Title 22 TTLC for soil <sup>a</sup>	100	2,500	2,500	2,000	1,000	5,000
	Effective Range Median for soil (ERM) <sup>b</sup>	9.6	370	270	NDA	218	410
	US EPA Region 9, PRG's for Commercial/Industrial sites <sup>c</sup>	450	450	41,000	20,000	750	100,000
	Environmental Screening Level (ESLS) <sup>d</sup> (SFRWQCB) Commercial /Industrial Land Use Only	7.4	58	230	750	150	600

<sup>a</sup> Total Threshold Limit concentration. <sup>b</sup> Effective Range Median from State Water Resources Control Board, March 1998. <sup>c</sup> Draft Functional Equivalent Document, Water Quality Control Policy for Guidance on the Development of Regional Toxic Hot Spot Cleanup Plans” <sup>d</sup> Preliminary Remediation Goals. <sup>e</sup> San Francisco Regional Water Quality Control Board, July 2003, ESL Summary Table B. \* Samples taken from top of sediment at low tide.

*Appendix A*

*EDR – Executive Summary and Radius Map*



**EDR™** Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Stone Boat Yard  
2517 Blanding Avenue  
Alameda, CA 94501**

**Inquiry Number: 01269910.1r**

**September 15, 2004**

## **The Standard in Environmental Risk Management Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06460**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	6
Orphan Summary .....	152
EPA Waste Codes .....	EPA-1
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting Source Map .....	A-9
Physical Setting Source Map Findings .....	A-10
Physical Setting Source Records Searched .....	A-23

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. It can not be concluded from this report that coverage information for the target and surrounding properties does not exist from other sources. Any analyses, estimates, ratings or risk codes provided in this report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Any liability on the part of EDR is strictly limited to a refund of the amount paid for this report.

Copyright 2004 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

2517 BLANDING AVENUE  
ALAMEDA, CA 94501

#### COORDINATES

Latitude (North): 37.769800 - 37° 46' 11.3"  
Longitude (West): 122.234000 - 122° 14' 2.4"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 567464.6  
UTM Y (Meters): 4180345.5  
Elevation: 7 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 37122-G2 OAKLAND EAST, CA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
2517 BLANDING AVE 2517 BLANDING AVE ALAMEDA, CA	ERNS	N/A
2517 BLANDING AVE. 2517 BLANDING AVE. ALAMEDA, CA	CHMIRS	N/A
STONE BOAT YARD INC 2517 BLANDING AVE ALAMEDA, CA 94501	HAZNET CA WDS EMI	N/A
STONE BOAT YARD 2517 BLANDING AVE ALAMEDA, CA 94501	FINDS	110010486483

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
RCRIS-TSD	Resource Conservation and Recovery Information System

### STATE ASTM STANDARD

Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
VCP	Voluntary Cleanup Program Properties
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

### FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
UMTRA	Uranium Mill Tailings Sites
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
FUDS	Formerly Used Defense Sites
INDIAN RESERV.	Indian Reservations
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
DEED	List of Deed Restrictions
NFA	No Further Action Determination
REF	Unconfirmed Properties Referred to Another Agency

## EXECUTIVE SUMMARY

SCH..... School Property Evaluation Program  
NFE..... Properties Needing Further Evaluation

### EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

### BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites  
VCP..... Voluntary Cleanup Program Properties

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### FEDERAL ASTM STANDARD

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>AMERICAN NATIONAL CAN CO</i></b>	<b><i>3801 EAST 8TH ST</i></b>	<b><i>1/2 - 1 E</i></b>	<b><i>121</i></b>	<b><i>139</i></b>

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1



## EXECUTIVE SUMMARY

**CAL-SITES:** Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 3 Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF OAKLAND, BERTH 25 AND	2700 7TH STREET	1/4 - 1/2NNW	AB707	124
PORT OF OAKLAND - EMBARCADERO	DENNISON AND EMBARCADER	1/2 - 1 NW	126	147
850 FORTY SECOND ST L L C	850 42ND AVE	1/2 - 1 E	127	148

**CORTESE:** This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 39 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ICONOCO CALIFORNIA INC	303 DERBY AVE	0 - 1/8 NE	D9	16
SIMMONS OIL CORPORATION	315 DERBY AVE	0 - 1/8 NE	D11	20
CAMISA BROS ROOFING	1901 BROADWAY	1/8 - 1/4 SSW	E14	22
ALPHA BETA	2691 BLANDING AVE	1/8 - 1/4 SSE	16	24
GLASCOCK AVE WAREHOUSE	2901 GLASCOCK AVE	1/8 - 1/4 N	G24	30
DOLORES STAUNDENRAUS	2424 BLANDING AVE	1/8 - 1/4 WNW	H28	33
ALAMEDA ELECTRIC	2420 BLANDING AVE	1/8 - 1/4 WNW	H32	39
DEL MONTE PLANT #26	400 LANCASTER ST	1/8 - 1/4 ENE	J40	44
ALAMEDA UNIFIED SCHOOL DI	2615 EAGLE	1/8 - 1/4 SSW	M50	57
CLIFFORD E MAPPES INC	2001 VERSAILLES AVE	1/8 - 1/4 SE	N54	61
ALAMEDA COLLISION REPAIR INCOR	1911 PARK STREET	1/8 - 1/4 W	L61	66
FACILITY 475-1	333 23RD	1/8 - 1/4 NNW	P67	74
RON GOODE RAMBLER & TOYOTA	1825 PARK ST	1/4 - 1/2 W	S77	80
RHODES & AMIESON BATCH P	333 KENNEDY	1/4 - 1/2 NNW	T78	84
RIGHT AWAY READY MIX INC	401 KENNEDY ST	1/4 - 1/2 NNW	T80	86
UNKNOWN	1800 PARK ST	1/4 - 1/2 WSW	S81	87
CHEVRON	1801 PARK ST	1/4 - 1/2 WSW	S82	88
OHN B HENRY ESTATE	1726 PARK ST	1/4 - 1/2 WSW	U83	90
EXXON REGAL	1725 PARK ST	1/4 - 1/2 WSW	U84	91
EBMUD	UNKNOWN 7TH ST / 29TH	1/4 - 1/2 N	86	93
BAY AREA DIABLO PETROLEUM	421 23RD AVE	1/4 - 1/2 NNW	V87	94
RIGHT AWAY READY MIX INC	435 23RD AVE	1/4 - 1/2 NNW	V88	95
PARK ST LANDING	2301 BLANDING AVE	1/4 - 1/2 WNW	89	97
XTRA OIL COMPANY	1701 PARK ST	1/4 - 1/2 WSW	U90	97
CAVANAUGH MOTORS	1700 PARK ST	1/4 - 1/2 WSW	U92	99
LEMOINE GOLD STORAGE	630 29TH	1/4 - 1/2 N	W94	103
PX SERVICE STATION (POM A	501 23RD	1/4 - 1/2 NNW	X96	105
ALAMEDA FORD	1650 PARK ST	1/4 - 1/2 WSW	Y97	106
AN FO MANUFACTURING COMPA	3129 ELMWOOD	1/4 - 1/2 NE	Z99	109
EXCHANGE LINEN SERVICE	527 23RD AVENUE	1/4 - 1/2 NNW	X100	111
FILLMORE MARKS PROPERTY	534 23RD AVE	1/4 - 1/2 NNW	X102	114
GOOD CHEVROLET	1630 PARK ST	1/4 - 1/2 WSW	Y103	116
SAV ON DRUG 3714	3100 E NINETH ST	1/4 - 1/2 NNE	AA105	121
OAKLAND PORT OF	2700 7TH ST	1/4 - 1/2 NNW	AB106	123
GTE CALIFO NIA	2241 CLEMENT	1/4 - 1/2 WNW	AC109	126

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CLEMENT AVENUE PRO ECT</b>	2235 CLEMENT	1/4 - 1/2 WNW	AC111	128
<b>STATE SHINGLE</b>	880 FRUITVALE AVE	1/4 - 1/2 NE	114	130
<b>BP</b>	1541 PARK ST	1/4 - 1/2 WSW	AD116	132
<b>FIDELITY PACKAGING CORP</b>	646 KENNEDY ST	1/4 - 1/2 NNW	117	133

**NOTIFY 65:** Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 7 Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN	2235 CLEMENT AVENUE	1/4 - 1/2 WNW	101	114
BLMYER ENGINEERS, INC.	1829 CLEMENT AVE.,	1/4 - 1/2 W	113	130
SHELL SELF SERVICE	630 HIGH STREET	1/2 - 1 ESE	122	142
<b>ED'S AUTO WRECKERS</b>	<b>752 HIGH STREET</b>	<b>1/2 - 1 E</b>	<b>125</b>	<b>145</b>
Not reported	1033 44TH AVENUE	1/2 - 1 E	128	150
SERVICE STATION	2200 EAST 12TH STREET	1/2 - 1 NNW	129	150
SENNA AUTOMOTIVE	2301 EAST 12TH STREET	1/2 - 1 NNW	130	151

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 48 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FIRST SAMOAN CONGREGATIONAL CH	2526 BLANDING AVE	0 - 1/8 WSW	B5	10
<b>WILFRED &amp; WILMA GARFINKLE</b>	<b>2515 BLANDING AVE</b>	<b>0 - 1/8 W</b>	<b>B6</b>	<b>11</b>
ICONOCO CALIFORNIA INC	303 DERBY AVE	0 - 1/8 NE	D9	16
CAMISA BROS ROOFING	1901 BROADWAY	1/8 - 1/4 SSW	E14	22
GLASCOCK AVE WAREHOUSE	2901 GLASCOCK AVE	1/8 - 1/4 N	G24	30
DOLORES STAUNDENRAUS	2424 BLANDING AVE	1/8 - 1/4 WNW	H28	33
ALLIED ENGINEERING AND PROD CO	2421 BLANDING AVE	1/8 - 1/4 WNW	H31	37
ALAMEDA ELECTRIC	2420 BLANDING AVE	1/8 - 1/4 WNW	H32	39
DEL MONTE PLANT #26	400 LANCASTER ST	1/8 - 1/4 ENE	J40	44
A.U.S.D. MAINTENANCE YARD	2615 EAGLE AVE	1/8 - 1/4 SSW	M51	58
CLIFFORD E MAPES INC	2001 VERSAILLES AVE	1/8 - 1/4 SE	N54	61
ALAMEDA COLLISION REPAIR INCOR	1911 PARK STREET	1/8 - 1/4 W	L61	66
OAKLAND YARD	333 23RD AVE	1/8 - 1/4 NNW	P64	70
CHEVRON	333 23RD AVE	1/8 - 1/4 NNW	P66	71
RON GOODE RAMBLER & TOYOTA	1825 PARK ST	1/4 - 1/2 W	S77	80
RIGHT AWAY REDY MIX INC	401 KENNEDY ST	1/4 - 1/2 NNW	T79	84
RIGHT AWAY READY MIX INC	401 KENNEDY ST	1/4 - 1/2 NNW	T80	86
CHEVRON	1801 PARK ST	1/4 - 1/2 WSW	S82	88
OHN B HENRY ESTATE	1726 PARK ST	1/4 - 1/2 WSW	U83	90
EXXON REGAL	1725 PARK ST	1/4 - 1/2 WSW	U84	91
EXXON #7-0104	1725 PARK ST	1/4 - 1/2 WSW	U85	93
BAY AREA DIABLO PETROLEUM	421 23RD AVE	1/4 - 1/2 NNW	V87	94
RIGHT AWAY READY MIX INC	435 23RD AVE	1/4 - 1/2 NNW	V88	95

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>PARK ST LANDING</b>	<b>2301 BLANDING AVE</b>	<b>1/4 - 1/2 WNW 89</b>		<b>97</b>
<b>XTRA OIL COMPANY</b>	<b>1701 PARK ST</b>	<b>1/4 - 1/2 WSW U90</b>		<b>97</b>
XTRA OIL	1701 PARK ST	1/4 - 1/2 WSW U91		99
<b>CAVANAUGH MOTORS</b>	<b>1700 PARK ST</b>	<b>1/4 - 1/2 WSW U92</b>		<b>99</b>
<b>CAVANAUGH MOTORS INC</b>	<b>1700 PARK ST</b>	<b>1/4 - 1/2 WSW U93</b>		<b>101</b>
LEMOINE COLD STORAGE	630 29TH AVE	1/4 - 1/2 N W95		103
<b>ALAMEDA FORD</b>	<b>1650 PARK ST</b>	<b>1/4 - 1/2 WSW Y97</b>		<b>106</b>
ANFO MANUFACTURING COMPANY	3129 ELMWOOD AVE	1/4 - 1/2 NE Z98		109
<b>AN FO MANUFACTURING COMPA</b>	<b>3129 ELMWOOD</b>	<b>1/4 - 1/2 NE Z99</b>		<b>109</b>
<b>EXCHANGE LINEN SERVICE</b>	<b>527 23RD AVENUE</b>	<b>1/4 - 1/2 NNW X100</b>		<b>111</b>
<b>FILLMORE MARKS PROPERTY</b>	<b>534 23RD AVE</b>	<b>1/4 - 1/2 NNW X102</b>		<b>114</b>
<b>GOOD CHEVROLET</b>	<b>1630 PARK ST</b>	<b>1/4 - 1/2 WSW Y103</b>		<b>116</b>
DEL MONTE PLANT #37	3100 9TH ST	1/4 - 1/2 NNE AA104		121
<b>SAV ON DRUG 3714</b>	<b>3100 E NINETH ST</b>	<b>1/4 - 1/2 NNE AA105</b>		<b>121</b>
<b>OAKLAND PORT OF</b>	<b>2700 7TH ST</b>	<b>1/4 - 1/2 NNW AB106</b>		<b>123</b>
<b>PORT OF OAKLAND, BERTH 25 AND</b>	<b>2700 7TH STREET</b>	<b>1/4 - 1/2 NNW AB107</b>		<b>124</b>
CLEMENT AVENUE PROJECT	2241 CLEMENT AVE	1/4 - 1/2 WNW AC108		125
CLEMENT AVENUE PROJECT	2241 CLEMENT AVE	1/4 - 1/2 WNW AC110		127
<b>CLEMENT AVENUE PRO ECT</b>	<b>2235 CLEMENT</b>	<b>1/4 - 1/2 WNW AC111</b>		<b>128</b>
<b>STATE SHINGLE</b>	<b>880 FRUITVALE AVE</b>	<b>1/4 - 1/2 NE 114</b>		<b>130</b>
BP #11266	1541 PARK ST	1/4 - 1/2 WSW AD115		132
<b>BP</b>	<b>1541 PARK ST</b>	<b>1/4 - 1/2 WSW AD116</b>		<b>132</b>
<b>FIDELITY PACKAGING CORP</b>	<b>646 KENNEDY ST</b>	<b>1/4 - 1/2 NNW 117</b>		<b>133</b>
TRANSGLOBAL	2411 WEBB ST	1/4 - 1/2 SW AE118		137
LAU PROPERTY	2411 WEBB AVE	1/4 - 1/2 SW AE119		137

**BEP:** Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, has revealed that there are 3 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>EKOTEK LUBE</b>	<b>4200 ALAMEDA AVENUE</b>	<b>1/2 - 1 E</b>	<b>123</b>	<b>143</b>
THE CLOROX COMPANY	850 42ND AVENUE	1/2 - 1 E	124	145
<b>PORT OF OAKLAND - EMBARCADERO</b>	<b>DENNISON AND EMBARCADER</b>	<b>1/2 - 1 NW</b>	<b>126</b>	<b>147</b>

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/12/2004 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>RMC LONESTAR</b>	<b>333 23RD AVENUE</b>	<b>1/8 - 1/4 NNW</b>	<b>P65</b>	<b>71</b>

## EXECUTIVE SUMMARY

**CA FID:** The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 9 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SIMMONS OIL CORPORATION</b>	<b>315 DERBY AVE</b>	<b>0 - 1/8 NE</b>	<b>D11</b>	<b>20</b>
<b>ALAMEDA ELECTRIC</b>	<b>2420 BLANDING AVE</b>	<b>1/8 - 1/4 WNW</b>	<b>H32</b>	<b>39</b>
INDUSTRIAL STEAM	2985 FORD ST	1/8 - 1/4 NE	I35	42
<b>DEL MONTE PLANT #26</b>	<b>400 LANCASTER ST</b>	<b>1/8 - 1/4 ENE</b>	<b>J40</b>	<b>44</b>
<b>ANALYSTS INCORPORATED</b>	<b>2910 FORD ST</b>	<b>1/8 - 1/4 N</b>	<b>K47</b>	<b>53</b>
<b>RON GOODE TOYOTA</b>	<b>2424 CLEMENT AVE</b>	<b>1/8 - 1/4 W</b>	<b>L48</b>	<b>54</b>
<b>A.U.S.D. MAINTENANCE YARD</b>	<b>2615 EAGLE AVE</b>	<b>1/8 - 1/4 SSW</b>	<b>M51</b>	<b>58</b>
ALAMEDA COUNTY MOSQUITO ABATE.	3024 E 007TH ST	1/8 - 1/4 NE	Q70	76
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OAKLAND YARD	333 023RD AVE	1/8 - 1/4 NW	63	70

**HIST UST:** Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PETRO-STOP, INC.	315 DERBY AVE	0 - 1/8 NE	D12	21
<b>SIMMONS TERMINAL CORP</b>	<b>315 DERBY AVE</b>	<b>0 - 1/8 NE</b>	<b>D13</b>	<b>21</b>
INDUSTRIAL STEAM	2985 FORD ST	1/8 - 1/4 NE	I37	43
DEL MONTE-PLANT #26	400 LANCASTER ST	1/8 - 1/4 ENE	J39	44
<b>ANALYSTS INCORPORATED</b>	<b>2910 FORD ST</b>	<b>1/8 - 1/4 N</b>	<b>K47</b>	<b>53</b>
ALAMEDA CITY DISPOSAL COMPANY	2424 CLEMENT AVE	1/8 - 1/4 W	L49	56
ALAMEDA UNIFIED SCHOOL DISTRICT	2615 EAGLE AVE	1/8 - 1/4 SSW	M52	60
<b>OAKLAND YARD</b>	<b>333 23RD AVE</b>	<b>1/8 - 1/4 NNW</b>	<b>P64</b>	<b>70</b>

### STATE OR LOCAL ASTM SUPPLEMENTAL

**DRYCLEANERS:** A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 04/21/2004 has revealed that there are 2 CLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CLASSIC CLEANERS</b>	<b>2631 BLANDING AVE</b>	<b>0 - 1/8 SSE</b>	<b>C7</b>	<b>12</b>
<b>AMERICAN SPEEDY PRINTING</b>	<b>2327 BLANDING AVE STE F</b>	<b>1/8 - 1/4 WNW</b>	<b>60</b>	<b>64</b>

## EXECUTIVE SUMMARY

**CA SLIC:** SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 6 CA SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ALLIED ENGINEERING AND PROD CO</b>	<b>2421 BLANDING AVE</b>	<b>1/8 - 1/4 WNW H31</b>		<b>37</b>
FORMER INDUSTRIAL STEAM PROPER	2985 FORD STREET	1/8 - 1/4 NE	I36	43
ATWOOD INDUSTRIES INC	2915 FORD ST	1/8 - 1/4 N	K45	51
<b>CHEVRON</b>	<b>333 23RD AVE</b>	<b>1/8 - 1/4 NNW P66</b>		<b>71</b>
<b>NELSON MARINE</b>	<b>2229 CLEMENT</b>	<b>1/4 - 1/2 WNW AC112</b>		<b>128</b>
ALAMEDA AUTO ENHANCERS	2327 LINCOLN AVE	1/4 - 1/2 WSW	120	138

**HAZNET:** The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2002 has revealed that there are 39 HAZNET sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>WILFRED &amp; WILMA GARFINKLE</b>	<b>2515 BLANDING AVE</b>	<b>0 - 1/8 W</b>	<b>B6</b>	<b>11</b>
<b>CLASSIC CLEANERS</b>	<b>2631 BLANDING AVE</b>	<b>0 - 1/8 SSE</b>	<b>C7</b>	<b>12</b>
FUGI TRUCOLOR, INC	2639 BLANDING AVE	0 - 1/8 SSE	C8	14
<b>ICONOCO CALIFORNIA INC</b>	<b>303 DERBY AVE</b>	<b>0 - 1/8 NE</b>	<b>D9</b>	<b>16</b>
MRS C DELANOY	1901 BROADWAY	1/8 - 1/4 SSW	E15	23
<b>M &amp; BODY SHOP</b>	<b>1925 EVERETT ST</b>	<b>1/8 - 1/4 WSW F18</b>		<b>25</b>
SAMANTHA LANDY	1925 EVERETT ST	1/8 - 1/4 WSW	F19	26
ENGINE MACHINING & OVERHAULING	1912 EVERETT ST	1/8 - 1/4 WSW	F20	27
TED & OES TOWING	1901 EVERETT ST	1/8 - 1/4 WSW	F21	28
TRADERS PARADISE	2904 GLASCOCK	1/8 - 1/4 N	G22	28
ICONCO CORP	2901 GLASCOCK RD	1/8 - 1/4 N	G23	29
GLASCOCK PARTNERS	2901 GLASCOCK STREET	1/8 - 1/4 N	G25	31
GLASCOCK ST PROP	2901 GLASCOCK ST	1/8 - 1/4 N	G26	32
FIRST SAMOAN CONGREGATION CHUR	2425 BLANDING AVE	1/8 - 1/4 WNW	H29	35
<b>CONSOLIDATED ENGINEERING LABS</b>	<b>415 PETERSON ST</b>	<b>1/8 - 1/4 N</b>	<b>G30</b>	<b>35</b>
<b>ALLIED ENGINEERING AND PROD CO</b>	<b>2421 BLANDING AVE</b>	<b>1/8 - 1/4 WNW H31</b>		<b>37</b>
OAKLAND METAL TREATING CO INC	450 DERBY AVE	1/8 - 1/4 NE	33	40
INDUSTRIAL STEAM CORP.	2985 FORD ST.	1/8 - 1/4 NE	I34	42
DEL MONTE FOODS	400 LANCASTER ST	1/8 - 1/4 ENE	J38	43
<b>ALAMEDA AUTO BODY</b>	<b>1814 EVERETT ST</b>	<b>1/8 - 1/4 SW</b>	<b>41</b>	<b>47</b>
ANALYSTS, INC	2910 FORD ST	1/8 - 1/4 N	K46	51
<b>RON GOODE TOYOTA</b>	<b>2424 CLEMENT AVE</b>	<b>1/8 - 1/4 W</b>	<b>L48</b>	<b>54</b>
<b>ALAMEDA UNIFIED SCHOOL DI</b>	<b>2615 EAGLE</b>	<b>1/8 - 1/4 SSW</b>	<b>M50</b>	<b>57</b>
CITY OAKLAND/ENVIRONMENTAL SER	3041 FORD ST	1/8 - 1/4 NE	O55	62
CITY OF OAKLAND PUBLIC WORKS	3041 FORD ST	1/8 - 1/4 NE	O56	63
MODERN CLASSIC MOTORS	3042 FORD ST	1/8 - 1/4 NE	O57	63
DORTHY M RAMSEY-PETREE	2412 CLEMENT AVE	1/8 - 1/4 W	L58	64
<b>AMERICAN SPEEDY PRINTING</b>	<b>2327 BLANDING AVE STE F</b>	<b>1/8 - 1/4 WNW 60</b>		<b>64</b>
<b>ALAMEDA COLLISION REPAIR INCOR</b>	<b>1911 PARK STREET</b>	<b>1/8 - 1/4 W</b>	<b>L61</b>	<b>66</b>
LINCOLN AUTO	1907 PARK ST	1/8 - 1/4 W	L62	69
SEAWORKS INC	333 23 RD AVE	1/8 - 1/4 NNW	P68	74
RMC PACIFIC MATERIALS INC	333 23RD AVENUE	1/8 - 1/4 NNW	P69	74

## EXECUTIVE SUMMARY

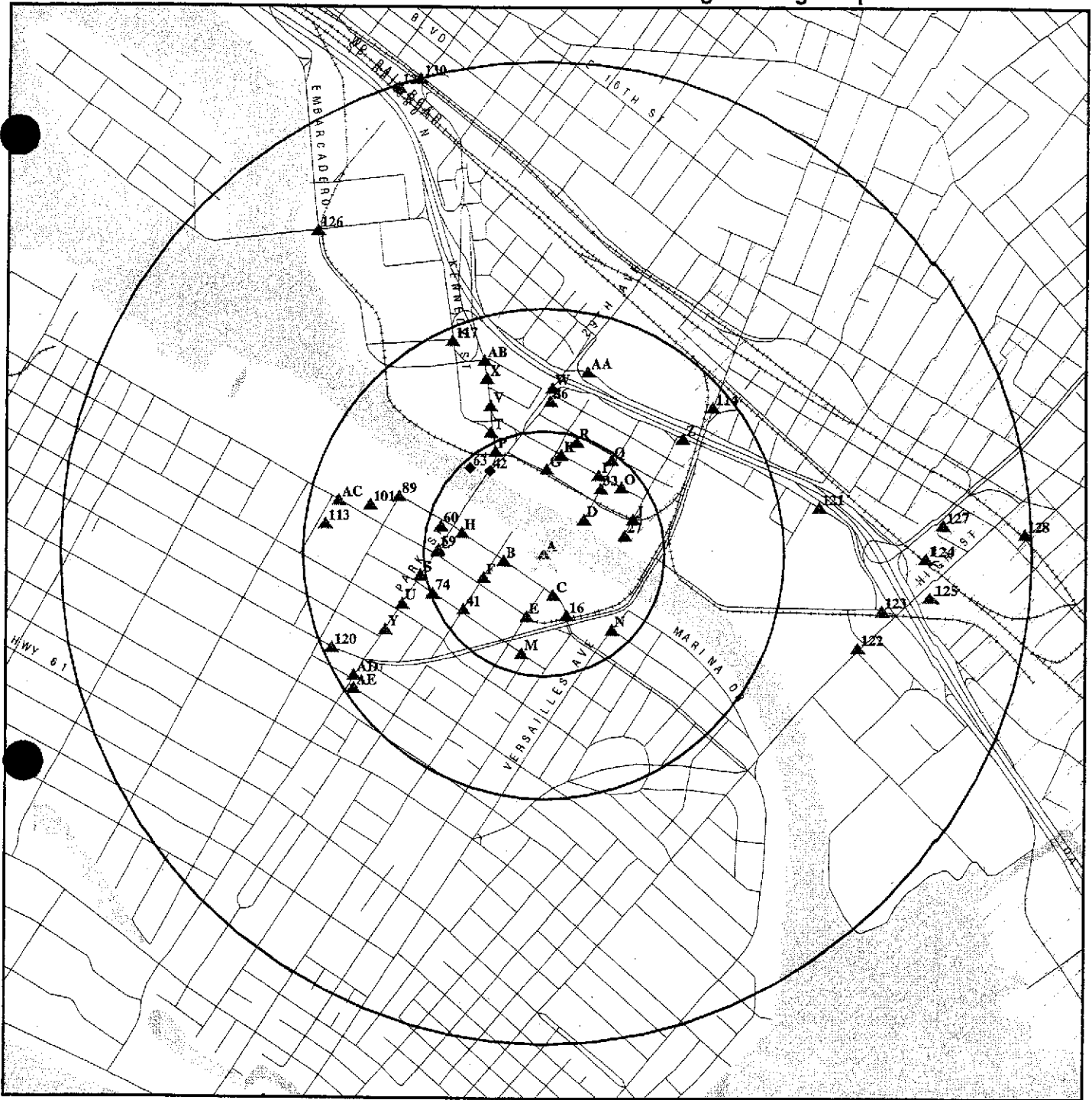
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
1X PORT OF OAKLAND/HANGER 9	7683 EARHART ROAD	1/8 - 1/4NNE	R71	76
1X THE CLAREMONT RESOT		1/8 - 1/4NNE	R72	76
1X LAKE MERRITT UNITED METHOD!		1/8 - 1/4NNE	R73	78
<b>ALAMEDA USD ISLAND CONTINUATIO</b>	<b>2437 EAGLE AVE</b>	<b>1/8 - 1/4WSW</b>	<b>74</b>	<b>78</b>
MCNEIL MANUFACTURING	3014 CHAPMAN ST	1/8 - 1/4NE	Q75	79
MCNEILL MANUFACTURING	3014 CHAPMAN ST	1/8 - 1/4NE	Q76	79
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEAWORKS INC-WAREHOUSE	333 29TH AVENUE	1/8 - 1/4NNW	42	49

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
MARINA BOAT YD GENERAL ELECTRIC CO	FINDS, FTTS INSP Cal-Sites, PADS, RCRIS-SQG, FIND S, LUST, Cortese, RCRIS-TSD, AWP, CA SLIC, CORRACTS, CERC-NFRAP, DE ED Cal-Sites, AWP HAZNET, CHMIRS, Cortese HAZNET, CHMIRS LUST, CHMIRS LUST, CHMIRS CERC-NFRAP CERC-NFRAP CERC-NFRAP HAZNET, SWF/LF SWF/LF LUST LUST LUST LUST LUST UST RCRIS-SQG, FINDS, HAZNET HAZNET HAZNET HAZNET HAZNET HAZNET HAZNET HAZNET HAZNET RCRIS-SQG, FINDS ERNS ERNS ERNS ERNS ERNS US BROWNFIELDS SCH SCH
UNITED STATES COAST GUARD SCR- ALAMEDA NAS SKEET & T ALAMEDA COUNTY STORM DAMAGE 1580 AT NORTH LIVERMORE EXIT UNION PACIFIC NATIONAL LEAD CO PORT OF OAKLAND 54 EMBARCADERO CITY OF ALAMEDA / DPW ALAMEDA POINT OU4A (FORMER NAS ALAMEDA) FISCA ALAMEDA BLDG 10, IR5 WILANCO INC SOUTHERN PACIFIC TRANSPORT COMPANY SOUTHERN PACIFIC SOUTHERN PACIFIC TRANS COMPANY PACIFIC COAST HARDWARE CALTRANS SAN LEANDRO BAY BRIDGE BAY VIEW APTS HALCYON/503-855 1X ALAMEDA UNIFIED SCHOOL DIST COULTER PHARMACEUTICAL INC COMPASS ROSE YATCH CHARTERS SHIP METEOR NO 986933 AIRCRAFT CARRIER HORNET F D N ALAMEDA COUNTY/CLANDESTINE DRUG LABS US NAVY - NAVY TRANSITION OFFICE CROOP ENTERPRISES INC AIRCRAFT CARRIER HORNET F D N BOAT LAUNCH AT HAGENBURGER RD AND DOOLITTLE DRIVE CRYERS BOAT YARD AND UNION POINT MARINA GRAND MARINA BOAT HARBOR STONE BOAT YD/2700 BLANDING AVE. SVENSENS BOAT YARD URBAN PROMISE ACADEMY - OAKLAND UNIFIED SCHOOL DISTRICT FORMER EAST HOUSING AREA SCHOOL URBAN PROMISE ACADEMY SITE	

# OVERVIEW MAP - 01269910.1r - Questa Engineering Corp.



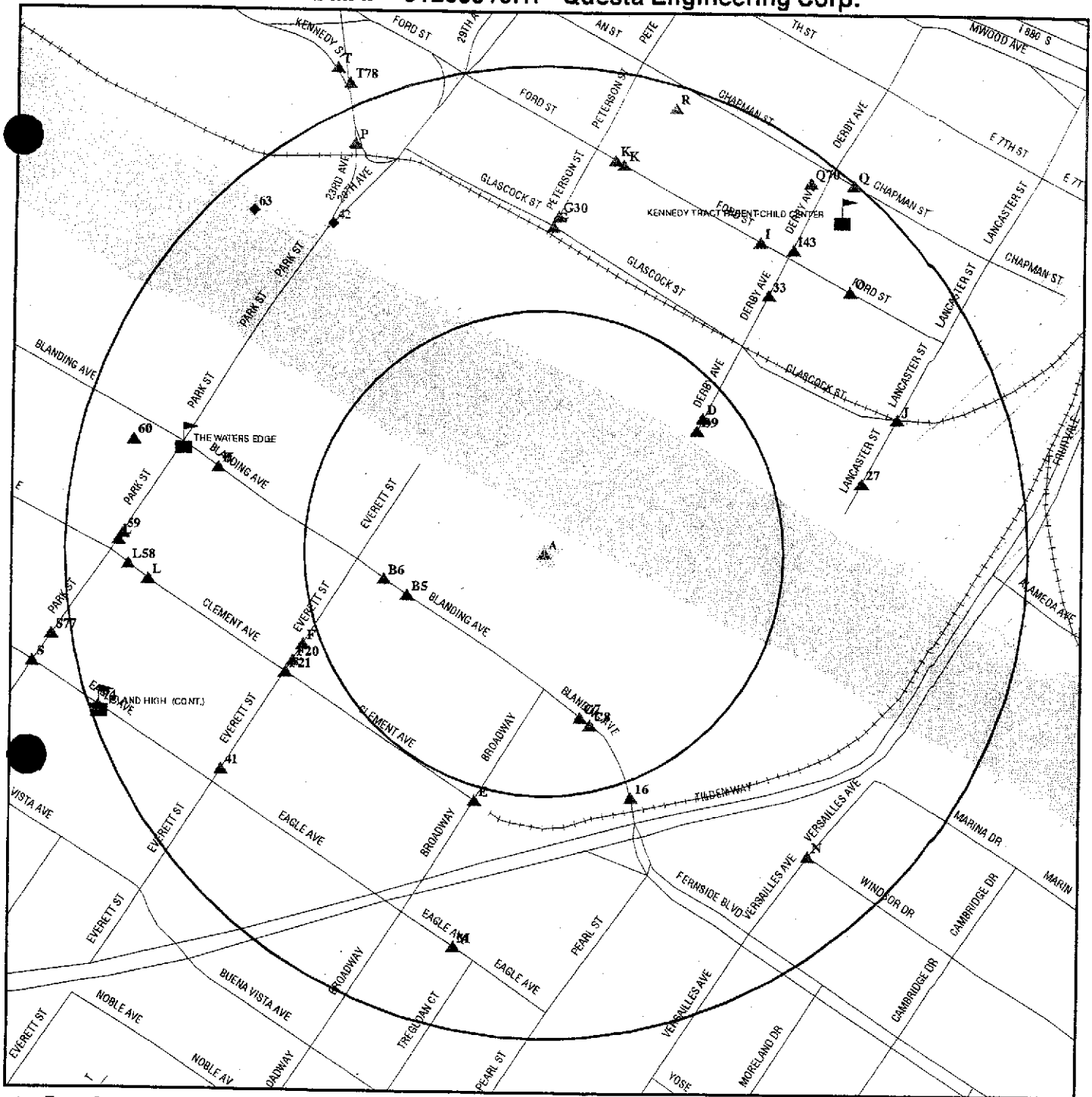
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern

**TARGET PROPERTY:** Stone Boat Yard  
**ADDRESS:** 2517 Blanding Avenue  
**CITY/STATE/ZIP:** Alameda CA 94501  
**LAT/LONG:** 37.7698 / 122.2340

**CUSTOMER:** Questa Engineering Corp.  
**CONTACT:** Joe Farrow  
**INQUIRY #:** 01269910.1r  
**DATE:** September 15, 2004 8:09 pm



# DETAIL MAP - 01269910.1r - Questa Engineering Corp.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- △ Sites at elevations lower than the target property
- Coal Gasification Sites
- ◆ Sensitive Receptors
- ▨ National Priority List Sites
- ▧ Landfill Sites
- ▩ Dept. Defense Sites
- ▤ Indian Reservations BIA
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- ▧ Federal Wetlands
- ▩ Areas of Concern

**TARGET PROPERTY:** Stone Boat Yard  
**ADDRESS:** 2517 Blanding Avenue  
**CITY/STATE/ZIP:** Alameda CA 94501  
**LAT/LONG:** 37.7698 / 122.2340

**CUSTOMER:** Questa Engineering Corp.  
**CONTACT:** Joe Farrow  
**INQUIRY #:** 01269910.1r  
**DATE:** September 15, 2004 8:10 pm

*Appendix B*  
*UST Tank Closure*

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

January 25, 2000

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700

Ms. Grace Bodle  
2517 Blanding Avenue  
Alameda California 94501

**Subject: Tank closure activities at Stone Boat Yard, 2517  
Blanding Avenue, Alameda CA 94501**

Dear Ms. Bodle:

This office is in receipt of the January 13, 2000 report prepared by Blymyer Engineers, Inc., detailing the activities surrounding the in-place closure of one tank, formerly containing gasoline, at the subject site. The report has been reviewed and it is the opinion of this office that no further investigation is warranted at the site.

This opinion is based upon the available information and with the provision that the information provided to this Agency was accurate and representative of site conditions.

Please contact me at (510)567-6781 should you have any questions regarding this matter.

Sincerely,

Robert Weston  
Sr. Hazardous Materials Specialist

c: Tom Peacock, ACDEH

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
ENVIRONMENTAL HEALTH SERVICES  
1131 HARBOR BAY PARKWAY, RM 250  
ALAMEDA, CA 94502-6577  
PHONE # 510/567-6700

ACCEPTED

Underground Storage Tank Closure Permit Application  
Alameda County Division of Hazardous Materials  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plan indicated by this Department are to assure compliance with State and local laws. The project proposed hereby is now reviewed by issuance of any required building permits for construction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

Removal of Tank(s) and Piping  
Sampling  
Final Inspection

Issuance of a permit to operate, by permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR  
NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

*R. Weston*

DEC 07 1999

UNDERGROUND TANK CLOSURE PLAN

\* \* \* Complete plan according to attached instructions \* \* \*

- Name of Business STONIZ BOAT YARD  
Business Owner or Contact Person (PRINT) GRACE BODINE
- Site Address 2517 BLANDING AVE  
City ALAMEDA Zip 94501 Phone 510 523-3030
- Mailing Address AS ABOVE  
City \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_
- Property Owner AS ABOVE  
Business Name (if applicable) \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_ Zip \_\_\_\_\_
- Generator name under which tank will be manifested  
TANK TO BE CLOSED IN PLACE  
EPA ID# under which tank will be manifested CA NA

c) Tank and Piping Transporter

Name N-A EPA I.D. No. \_\_\_\_\_  
Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

d) Tank and Piping Disposal Site

Name N-A EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. Sample Collector

Name \_\_\_\_\_  
Company Blymyer  
Address 1829 Clement  
City ALAMEDA State CA Zip 95401 Phone 521-3773

12. Laboratory

Name ANALYTICAL SCIENCES  
Address 110 LIBERTY STREET  
City PETAUMA State CA Zip 94952  
State Certification No. 2118

13. Have tanks or pipes leaked in the past? Yes [ ] No [ ] Unknown

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank(s) inert:

TANK WILL BE PUMPED OF PRODUCT AND THEN  
RINSED WITH WATER

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Gasoline MTBE LEAD		EPA 8015/8020 EPA 8015/8020 EPA 7420/6010	

18. Submit Worker's Compensation Certificate copy

Name of Insurer Zurich, American, Fremont, SteadFAST

19. Submit Plot Plan **\*\*\* (See Instructions) \*\*\***

20. Enclose Deposit (See Instructions)

21. Report all leaks or contamination to this office within 5 days of discovery. The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business FOSS ENVIRONMENTAL SERVICES

Name of Individual MARK WILLIAMS

Signature *Mark Williams* Date 11-18-99

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business STONE BOAT YARD

Name of Individual A. WILLIAM BODLE

Signature *A. William Bode* Date 11-22-99



**BLYMYER**  
ENGINEERS, INC.

December 30, 1999  
BEI Job No. 99107

Mr. Mark Williams  
Foss Environmental & Infrastructure, Inc.  
1065 Ferry Point  
Alameda, CA 94501

**Subject: In-Place Closure of Former Gasoline Underground Storage Tank  
Stone Boat Works  
2517 Blanding  
Alameda, California**

Dear Mr. Williams:

Blymyer Engineers, Inc. is pleased to provide this letter report on the in-place closure of the former gasoline underground storage tank (UST) at the subject site (Figures 1 and 2) and the limited subsurface investigation performed by Blymyer Engineers, Inc. in support of the abandonment.

## INTRODUCTION

The property is located in the city of Alameda, Alameda County, California (Figure 1). It is bounded on the northeast by the Oakland-Alameda Estuary, an arm of San Francisco Bay, on the southwest by Blanding Avenue, and on the northwest and southeast by adjacent commercial establishments. Across Blanding Avenue are additional commercial establishments. The portion of the site where the UST was located is fully paved (Figure 2).

## FIELD INVESTIGATION SUMMARY

### Site Reconnaissance

On November 23, 1999, Blymyer Engineers Inc. conducted a site reconnaissance of the facility. Based on discussions with the operator of the facility, Blymyer Engineers understands that the referenced gasoline UST was installed about 1936, was taken out of service about 1941, and has reportedly not been used since that time. Based on discussion with the facility operator, the vent line to the UST had been removed previously as part of a previous modification to the adjacent building. The facility operator indicated that there were about 50 gallons of water in the UST, and that this water had been previously pumped out and disposed of. A copy of the Bill of Lading for the water encountered in the UST is attached (see below). At the time of the site reconnaissance, the fill port for the former UST had been exposed and a limited excavation had been performed to determine the approximate limits of the UST and existing underground utilities in the immediate vicinity of the fill





Mr. Mark Williams  
December 30, 1999  
Page 2

port. No groundwater was observed, and the exposed soils appeared to consist of a clayey sand. Based on visual observations and field measurements, the UST was estimated to have a diameter of about 33 inches and an approximate length of about 36 inches. Based on these dimensions, the UST has a nominal storage capacity less than 250 gallons. The top of the UST was exposed at about 3 feet below grade surface (bgs).

The UST was located in the existing sidewalk immediately adjacent to an existing two-story, wood-framed structure reportedly supported by conventional shallow spread footings. The structure reportedly was built between 1890 and 1900. The exterior faces of the concrete footings were observed to be in poor condition. The age of the building was found to be consistent with the observed condition of the footing. Due to the proximity of the UST relative to the building, Blymyer Engineers recommended that the UST be closed in-place because an excavation to remove the UST would likely undermine the existing footing of the building.

### **Subsurface Investigation**

Prior to performing the field investigation, Blymyer Engineers prepared a health and safety plan covering the field activities. A copy of the health and safety plan was maintained in the field. Blymyer Engineers also obtained necessary drilling permits from the Alameda County Public Works Agency, Water Resource Division. A copy of the drilling permit is included as Attachment A.

Underground Service Alert (USA) had been notified prior to commencement of the underground work by Foss Environmental and Infrastructure, Inc. (Foss). A natural gas line and a water line were noted to run through the excavation, and directly overlaid the UST. The approximate location of these underground utilities are shown on Figure 2.

On December 9, 1999, Blymyer Engineers installed one soil bore to a depth of approximately 11 feet below grade surface (bgs) at the site (Figure 2). The bore was installed within the UST excavation starting at a depth of 3 feet bgs. The soil bore was drilled by Precision Sampling, Inc. (C57 license No. 686387), using a truck-mounted Geoprobe drilling rig. The soil core was continuously collected in 4-foot long butylene sleeves, and soil samples were collected at selected intervals (maximum of 5-foot intervals). Soil samples were field-screened for organic vapors using a Photoionization Detector (PID) and lithologically described using the Unified Soil Classification System. Elevated PID readings were detected at a depth of 5.5 feet bgs, consistent with the maximum depth of UST fill.

Groundwater was encountered in the bore at approximately 10.5 feet bgs. Soil sample S-1 was selected for laboratory analysis based upon a location 1.5 to 2.0 feet below the UST and as directed by Mr. Robert Weston of the Alameda County Health Care Services Agency (ACHCSA). Mr. Weston was onsite to witness the UST closure activities. A groundwater sample was not required by the ACHCSA as groundwater was encountered below the depth of the original UST excavation. Soil descriptions and PID results are shown in the soil bore log, included as Attachment B.



Mr. Mark Williams  
December 30, 1999  
Page 3

Investigation-derived wastes (IDW) included unused soil cores not retained for chemical analysis. Drilling and sampling equipment were decontaminated between borings by washing with Alconox and double rinsing with DI water. Cleaning rinsates and unused soil cores were collected into DOT-approved 5-gallon buckets for later disposal. The IDW will be disposed of by the facility owner.

### **Sample Handling and Analytical Summary**

The ends of the soil sample were covered with a sheet of Teflon, capped with plastic endcaps, sealed with adhesiveless silicon tape, and labeled. A field representative of Foss logged the sample and placed the sample in an ice-chilled cooler for delivery to the analytical laboratory. The sample was transported by Mr. John Holder of Foss to McCampbell Analytical, Inc. (McCampbell), a California-certified laboratory located in Pacheco, California. The soil sample was analyzed on a 1-day turnaround time for Total Petroleum Hydrocarbons (TPH) as gasoline and diesel by Modified EPA Method 8015; benzene, toluene, ethylbenzene, total xylenes, and MTBE (BTEXM) by EPA Method 8020; and total lead by EPA Method 6010. A copy of the laboratory report is included as Attachment C.

TPH as diesel, TPH as gasoline, and BTEXM were not detected above the applicable method detection limits in the soil sample submitted for analysis. Total lead was detected at a concentration of 5.2 milligrams per kilogram.

No sample holding times were exceeded. All laboratory QA/QC results were within the prescribed limits of the analytical laboratory's QA/QC plan. Necessary data qualifiers, where required, are incorporated into the certified analytical report.

### **UST CLOSURE SUMMARY**

On December 16, 1999, a representative of Foss and Mr. Robert Weston of the ACHCSA met onsite for the purposes of abandoning the UST. According to field notes provided by Foss for these operations, the UST was backfilled with a 3-sack cement slurry to the top of the opening after rinsing and verifying that residual petroleum hydrocarbon vapors in the UST were below 10% of the LEL for gasoline. A combustible gas indicator was used and the residual petroleum hydrocarbon vapor concentration was recorded as 0% LEL. Foss has also verbally confirmed that the open UST excavation was backfilled with the cement slurry to several inches below the depth the utilities were installed at. Select backfill was placed to bring the excavation to subgrade. A copy of the Bill of Lading for water found in the UST and the subsequent rinsate is enclosed as Attachment D.



Mr. Mark Williams  
December 30, 1999  
Page 4

## CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the field investigation and data review, Blymyer concludes the following:

- UST backfill appeared to consist of native material reintroduced into the excavation.
- Groundwater was encountered at a depth of approximately 10.5 feet bgs. It was not encountered within the UST excavation and consequently was not required to be sampled.
- Elevated PID readings were present in UST backfill but appear to be limited to fill in proximity to the fill port.
- TPH as gasoline, TPH as diesel, and BTEXM, were not detected at concentrations above the applicable method detection limits at a depth 1.5 to 2 feet vertically below the bottom of the UST.
- The visual observations and analytical data do not indicate that a significant release has occurred. Consequently, Blymyer Engineers recommends that the site be closed and a no further action letter be issued.

## LIMITATIONS

Services performed by Blymyer Engineers, Inc. have been provided in accordance with generally accepted practices for the nature and condition of similar work completed in the same or similar localities, at the time the work was performed. The scope of work for the project was conducted within the limitations prescribed by the client. Chemical analyses were performed by others not under direct supervision by Blymyer. Soil borings and soil sample analyses represent conditions at those locations. Soil conditions can vary between soil borings, and groundwater levels should be expected to vary depending on time of year and weather conditions. This report is not meant to represent a legal opinion. This warranty is in lieu of all other warranties either expressed or implied. This report was prepared for the sole use of the client, Foss Environmental & Infrastructure, Inc.



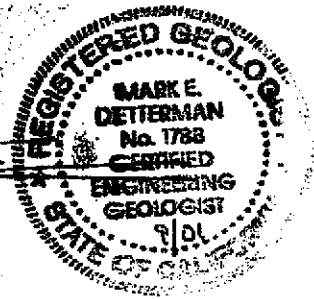
Mr. Mark Williams  
December 30, 1999  
Page 5

If you have any questions, please contact Mark Detterman at (510) 521-3773.

Sincerely,

Blymyer Engineers, Inc.

By: Mark Detterman  
Mark Detterman, C.E.G. 1788  
Senior Geologist



And: Michael S. Lewis  
Michael S. Lewis  
Vice President, Technical Services

- |               |  |              |
|---------------|--|--------------|
| Attachments:  | Figure 1                                 | Vicinity Map |
|               | Figure 2                                 | Site Plan    |
| Attachment A: | ACPW Drilling Permit                     |              |
| Attachment B: | Bore Log                                 |              |
| Attachment C: | Certified Analytical Report              |              |
| Attachment D: | Bill of Lading for UST Water and Rinsate |              |

*Appendix C*  
*Environmental Questionnaire*  
*and*  
*Permit Information*

**ENVIRONMENTAL QUESTIONNAIRE  
AND  
DISCLOSURE STATEMENT**Property Owner: OBSON PROPERTIESProperty Location: 2517 BLANDING AVE ALAMEDA CA 94501**A. Current/Former Uses of the Property**

1. Name of current property owner: SEE ATTACHED
2. Name of former property owner(s): " "
3. Description of all current use(s) of the property (if other than office use, please provide name(s) of current occupant(s) and date(s) of occupancy):
4. Description and date of completion of original construction and any substantial renovations (including tenant improvements):
5. Name(s) of all previous occupant(s):
6. Description of all previous use(s) of the property:
7. Description of uses of adjacent properties (if known)

**B. Asbestos**

1. Is there asbestos currently in any of the construction materials contained in the building(s)?
2. If so, has a survey been conducted to assess the type, amount, location and condition of asbestos? (If so, please attach a copy of any survey report(s).)
3. Have asbestos air samples been taken? If so, what are the results?

**C. Polychlorinated Biphenyls (PCBs)**

1. Have any PCBs been used in electrical transformers, capacitors or other equipment at the property?
2. If so, please describe the use and quantity of PCBs used on the property.

**D. Fuel/Chemical Storage Tanks, Drums and Pipelines**

1. Are there any above ground or underground gasoline, diesel, fuel oil or other chemical storage tanks on the property?
2. If so, please describe substances stored and capacity of tank(s).
3. Have the tanks been inspected or tested for leakage? When was the most recent test? What were the results?
4. Are any other chemicals stored on the property in drums or other containers? If so, please describe the substances, quantities stored, and types of containers:
5. Have there been any spills, leaks, or other releases of chemicals on the property? If so, please describe the chemicals and quantities released, any cleanup measures taken, and the results of any soil and/or groundwater samples performed to detect the presence of the chemicals spilled, leaked or released on the property:
6. Please attach copies of any permits or licenses pertaining to the use, storage, handling, or disposal of chemicals on the property.

**E. Air Emissions**

1. Describe air emissions from each source of air pollutants, including fuel burning equipment (describe type of fuel burned), on the property:
2. Describe air pollution control equipment used to reduce emissions for each source of air emissions.
3. Are air emissions monitored? If so, indicate frequency of monitoring:
4. Please attaché copies of any air permits or licenses pertaining to operations on the property.

**F. Water Discharges**

1. List all sources of waste water discharges to surface waters, septic systems, or holding ponds:
2. List all sources of wastewater discharges to public sewer systems:

3. For each discharge list the average daily flow:
4. Please attach copies of any water discharge permits or licenses pertaining to operations on the property.

**G. Waste Disposal**

1. Describe the types of liquid wastes (other than wastewater described in part F) and solid wastes generated at the property:
2. Describe how the liquid and solid wastes generated at the property are disposed.
3. Please attach copies of any waste disposal permits or licenses pertaining to operations on the property.

**H. If the property has been or is used for industrial purposes, the following information should be provided.**

1. Has the property been used for disposal of any liquid or solid waste? If so, describe the location of all disposal sites, the type of wastes disposed at each site, the results of any soil or groundwater samples taken in the vicinity of each site and the manner in which each site not presently in use was closed.
2. Have evaporation or storage ponds been located on the property. If so, please describe the location of all ponds, the type of wastes placed in each pond, the results of any soil or groundwater samples taken in the vicinity of each pond, and the manner in which each pond not presently in use was closed.
3. Have wastewater treatment facilities, such as acid neutralization vaults, been located on the property. If so, please describe the location of all facilities, the type of wastes treated in each facility, the results of any soil or groundwater samples taken in the vicinity of each facility, and the manner in which each facility not presently in use was closed.
4. Are there raw chemicals or waste chemical storage areas on the property? If so, please describe the location of all such areas, the type of products or wastes stored in each area, the amount of products or wastes stored in each area, the results of any soil or groundwater samples taken in the vicinity of each area, and the manner in which each are not presently in use was closed.



As the \_\_\_\_\_ of the property or as the appropriate officer or a general partner of that person or the duly authorized representative of such owner, I am familiar with all of the operations presently conducted on the property and have made a diligent inquiry into the former uses of the property and hereby certify to and for the benefit of the Buyer that to the best of my knowledge, information and belief the information disclosed above is true and correct.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

1<sup>st</sup> October 2004

Attn: Danny Reynolds  
Power Engineering Contractors, Inc  
1501 Viking Street, suite 200  
Alameda, CA 94501

Danny in answer to the Questa questions.

**A. Current / Former Uses of the Property.**

Answers.

1. OLSON PROPERTIES
2. Bill and Grace Bodle/Richard Faulkner/John Whitsett/Lester Stone.
3. Small ship and Boat repair yard.
4. From 2000 thru 2004/ Buildings shingled and claded/ Air/heating updated /main office renovated. All buildings remaining on property are pre war.
5. Same as question 2
6. Property always has been a boat yard, to the best of our knowledge.
7. West/ Machine shop large and tag manufacture. East/ Shopping center now and previous lumberyard.

**B. Asbestos**

1. NO
2. Not applicable
3. NO

**C. Polychlorinated Biphenyls (PCBs)**

1. Not to our knowledge.
2. Not applicable.

Continued...

**D. Fuel/Chemical Storage Tanks, Drums and Pipelines**

1. No
2. Not applicable
3. Not applicable
4. Yes/ Waste oil/bilge water/coolants/spent diesel. Stored in drums and disposed of in accordance with state law.
5. NO spills have been known or reported under Olson Properties control of the property.
6. Attached.

**E. Air Emissions**

1. Not applicable
2. Not applicable
3. Not applicable
4. Attached.

**F. Water Discharges**

1. Waste water tank to capture wash down of vessels on travel lift/ No holding ponds or septic tanks.
2. Four restrooms with four hand wash sinks.
3. Not known.
4. Attached

**G. Waste disposal**

1. Sandblasting grit disposed of by licensed sub contractors hired to perform contracted work. All liquid wastes such as oily water/waste oil removed by licensed waste contractor. Paint waste removed licensed contractor.
2. Same as 1
3. Not carried due to licensed contractors performing all waste removal.

Continued.

**H. If the property has been used for industrial purposes, the following information should be provided.**

1. Yes. Waste liquids stored ready for collection by licensed contractors on west side of property. All placed on drum safety pallets. Waste paints and thinners stored in paint container on east side of property. All removed by licensed contractor.
2. Non.
3. Non.
4. Non.



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-8000

# COPY

# PERMIT TO OPERATE

Plant# 8502

Page 1

Expires: JUN 1, 2005

This document does not permit the holder to violate any District regulation or other law.

Dave Olson  
Stone Boat Yard  
2517 Blanding Ave  
Alameda, CA 94501

Location: 2517 Blanding Ave  
Alameda, CA 94501

S#	DESCRIPTION	[Schedule]	PAID
1	Spray Area, HVLP gun, 152.49 gal/yr solvent Paint Spray Operation	[E]	128
2	Solvent cleaning Part Cold Cleaner	[exempt]	0

1 Permit Source, 1 Exempt Source

\*\*\* See attached Permit Conditions \*\*\*

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.



**BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT**

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000

**PERMIT  
TO OPERATE**

Plant# 8502

Page: 2

Expires: JUN 1, 2005

This document does not permit the holder to violate any District regulation or other law.

\*\*\* PERMIT CONDITIONS \*\*\*

=====

Source# 1 subject to Condition ID# 9599



**BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT**

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94102  
(415) 771-6000

**PERMIT  
TO OPERATE**

Plant# 8502

Page: 3

Expires: JUN 1, 2005

This document does not permit the holder to violate any District regulation or other law.

\*\*\* PERMIT CONDITIONS \*\*\*

=====

CONDITION ID #9599

1. Net coating usage as applied (coating + reducers + catalyst) shall not exceed 1000 gallons in any consecutive twelve month period.
2. Net surface prep and cleanup solvent usage shall not exceed 150 gallons in any consecutive twelve month period.
3. Catalysts, hardeners, reducers, thinning solvents and other componets shall only be added to coatings in proportions not exceeding manufacturer's recommendation for coatings complying with Reg. 8-43.
4. To demonstrate compliance with the above, plant shall maintain the following DAILY records.
  - a. Products identification numbers, and specialty coating catagory if applicable, of all coatings, catalysts and reducers used,
  - b. Component mix ratio.
  - c. Volatile organic (VOC) content of coating as applied,
  - d. Quantity of coating applied,
5. The plant shall maintain MONTHLY records of quantity and type of all solvent used for surface prep and cleanup:
6. All records shall be retained on site for two years from the date of entry, and be made available for inspection by District staff on request.

-----  
END OF CONDITIONS  
-----

S#	Source Description	Annual Average lbs/day				
		PART	ORG	NOx	SO2	CO
1	Paint Spray Operation	-	3.88	-	-	-
2	Part Cold Cleaner	-	-	-	-	-
T O T A L S			3.88			

\*\* PLANT TOTALS FOR EACH EMITTED TOXIC POLLUTANT \*\*

Pollutant Name	Emissions lbs/day
Toluene	.37
Xylene	1.06



P.13  
0000100000

# CERTIFICATE OF TREATMENT/RECYCLING

PRESENTED TO

***STONE BOAT YARD***

Manifest No: 22855448

Date: 06/15/04

The waste stream(s) received on the above manifest has been treated/handled to standards mandated by the applicable federal and/or state regulations. Waste treatment is performed under permits granted to D/K ENVIRONMENTAL, a California corporation, by the California EPA in coordination with the U.S. Environmental Protection Agency, in the accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations.

When the above described material is accepted by D/K ENVIRONMENTAL, the responsibility for the material becomes that of D/K ENVIRONMENTAL for the treatment/recycling.

Issued By  
**D/K ENVIRONMENTAL**

Signed: *Joseph P. Baljora*

Date: 06/15/04



[www.frogenv.com](http://www.frogenv.com)

31033 73808 P.14  
**Frog Environmental**

PO Box 1368, San Pedro, CA 90733

Toll Free Phone 1-877-FROG-ENV

Local Phone 310-241-0866

Fax 310-241-1442

---

STONE BOAT YARD INC  
2517 BLANDING AVE  
ALAMEDA, CA

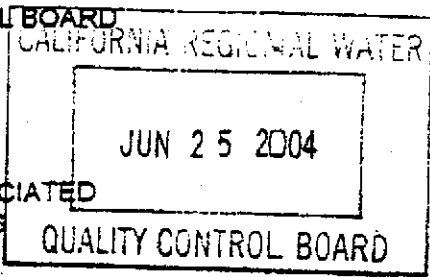
Dear Richard,

Enclosed is the proof-of-filing receipt for the 2003-2004 Annual Report. We at Frog Environmental would like to take this opportunity to thank you for your continued business, and we look forward to visiting your facility in September to set you up for the 2004-2005 Storm Water Year.

Have a great summer, and we'll see you in September!

Thank you,  
The Staff at Frog Environmental

STATE WATER RESOURCES CONTROL BOARD



2003-2004 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

REPORTING PERIOD JULY 1, 2003 THROUGH JUNE 30, 2004

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below differs from the information provided in your Notice of Intent (NOI), encircle or highlight the information that differs from your NOI.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name and telephone number of the contact is indicated on the last page of this Annual Report. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the second line of each Regional Board office.

GENERAL INFORMATION:

A. FACILITY WDID NO: 201S015945

B. FACILITY OPERATOR:

Name: STONE BOAT YARD INC

Contact Person: Richard MacGuire

Mailing Address: 2517 BLANDING AVE

Title:

City: ALAMEDA

State: CA

Zip: 94501

Phone: 5105233030

C. FACILITY INFORMATION:

Facility Name: STONE BOAT YARD INC

Mailing Address: 2517 BLANDING AVE

City: ALAMEDA

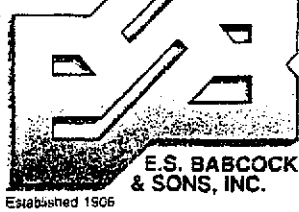
State: CA

Zip: 94501

Phone: 5105233030

Contact Person: Richard MacGuire

Standard Industrial Classification (SIC) Code(s): 3731



NELAP #02101C-A ELAP#1156  
6100 Quail Valley Court Riverside, CA 92507-0704  
P.O. Box 432 Riverside, CA 92502-0432  
PH (909) 653-3331 FAX (909) 653-1662  
www.babcocklabs.com

Client Name: Frog Environmental  
Contact: Terry J. Balog  
Address: 485 W. 22nd Street  
San Pedro, CA 90731-5967

Analytical Report: Page 3 of 8  
Project Name: Frog Env.-Stormwater Analys  
Project Number: [non e]  
Work Order Number: A4A0615  
Report Date: 26-Jan-2004

Laboratory Reference Number  
**A4A0615-02**

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Stone Boat Yard Stormwater	Liquid	01/06/04 06:15	01/12/04 10:20

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Aggregate Properties							
Specific Conductance	25	1.0	umhos/cm	SM 2510	01/12/04 21:02	aa	
Solids							
Total Suspended Solids	ND	5	mg/L	SM 2540D	01/12/04 16:30	aeH	
Aggregate Organic Compounds							
Oil & Grease (HEM)	ND	5	mg/L	EPA 1664	01/20/04 11:30	jme	
Metals and Metalloids							
Zinc	84	10	ug/L	EPA 200.8	01/25/04 14:52	ieo	

Stone Boat Yard  
pH 8.61





# Frog Environmental

PO Box 1368, San Pedro, CA 90733

Toll Free Phone 1-877-FROG-ENV

Local Phone 310-241-0866

Fax 310-241-1442

[www.frogenv.com](http://www.frogenv.com)

STONE BOAT YARD INC  
2517 BLANDING AVE  
ALAMEDA

Dear Richard,

Attached are your storm water runoff sampling results. The table below illustrates EPA acceptable ranges for parameters applicable to your industry.

Parameter Name	Need To Investigate
pH	<6 or >9
Total Suspended Solids	>100 mg/L
Specific Conductance	>200 umhos/cm
Oil / Grease	>15 mg/L
Zinc	>117 ug/L

If any of the parameters from your sampling results exceed the EPA acceptable range, an investigation should be conducted to determine and address the cause of the problem. Please contact us with any questions.

Sincerely,

Annette Mares  
Office Manager

*Appendix D*

*Lab Reports*

1004-64066.pdf

**MICRO ANALYTICAL LABORATORIES, INC.**

5900 Hollis Street, Suite M  
Emeryville, CA 94608  
(510) 653-0824 (510) 653-1361 FAX

Client Number:

**1004**

FACSIMILE COVER PAGE

Micro Log In #:

**64066**

To: Questa Engineering Coporation

FAX Number: (510) 236-2423

Attn: Jeff Peters / JOE Fallow

Subject: METALS-SOIL

From: Mark Disbury

Total Number of Pages (Including Cover Page): 12

WEB UPLOADED

Copy To: \_\_\_\_\_

SCANNED

Instructions/Comments: Samples 64066-1 and especially 64066-6 were  
problematic. It is difficult to homognize them  
effectively in order to take a representative  
subsample for digestion and analysis.

Thank you.

Date: 10/5/2004

Statement of Confidentiality: All pages of this Fax transmission contain confidential or proprietary information that is intended only for the use of the organization (s) or person (s) listed on this page. If you have received this transmission in error, or if you are not the intended recipient, any use, reproduction, dissemination of any of the enclosed information is prohibited. Please notify Micro Analytical laboratories, Inc. immediately if you have received this Fax in error.

**MICRO ANALYTICAL LABORATORIES, INC.****METALS IN SOLID WASTE**

Page 1 of 7

1004

Questa Engineering Corporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:

**STONE BOAT YARD**  
**PROJECT NO. 240165**

Micro Log In **64066**

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/29/2004

Date Analyzed 10/04/2004

**SAMPLE ID / DESCRIPTION**

Micro Sample No. Client Sample No.

64066-01

24165-G2

CABLE SPOOLS

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	26	12	
Cobalt (Co)			
Chromium (Cr)	82	25	
Copper (Cu)	8600	120	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	37	12	
Lead (Pb)	86	25	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	13000	500	
Mercury (Hg)*			

Technical Supervisor: Mark Disbury

10/5/2004

Analyst: MD

Mark Disbury, Senior Analytical Chemist

Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.



**MICRO ANALYTICAL LABORATORIES, INC.****METALS IN SOLID WASTE**

Page 2 of 7

1004

Questa Engineering Corporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:  
**STONE BOAT YARD**  
PROJECT NO. 240165

Micro Log In 64066

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/29/2004

Date Analyzed 10/04/2004

**SAMPLE ID / DESCRIPTION**

Micro Sample No. Client Sample No.

64066-02

24165-G3

SAND IN CONCRETE CK.

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	4.5	2.5	
Cobalt (Co)			
Chromium (Cr)	16	4.9	
Copper (Cu)	75	12	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	14	2.5	
Lead (Pb)	6.4	4.9	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	93	49	
Mercury (Hg)*			

Technical Supervisor:

*Mark Disbury*

10/5/2004

Analyst:

MD

Mark Disbury, Senior Analytical Chemist

Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

**MICRO ANALYTICAL LABORATORIES, INC.****METALS IN SOLID WASTE**

Page 3 of 7

1004

Questa Engineering Corporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:  
**STONE BOAT YARD**  
PROJECT NO. 240165

Micro Log In 64066

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/29/2004

Date Analyzed 10/04/2004

**SAMPLE ID / DESCRIPTION**

Micro Sample No. Client Sample No.

64066-03

24165-G4

END DOCK

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.5	2.4	
Cobalt (Co)			
Chromium (Cr)	37	4.8	
Copper (Cu)	150	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	34	2.4	
Lead (Pb)	25	4.8	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	140	10	
Mercury (Hg)*			

Technical Supervisor:

*Mark Disbury*

10/5/2004

Analyst:

MD

Mark Disbury, Senior Analytical Chemist

Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

**MICRO ANALYTICAL LABORATORIES, INC.****METALS IN SOLID WASTE**

Page 4 of 7

1004

Questa Engineering Coporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:

**STONE BOAT YARD**  
**PROJECT NO. 240165**

Micro Log In **64066**

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/29/2004

Date Analyzed 10/04/2004

**SAMPLE ID / DESCRIPTION**

Micro Sample No. Client Sample No.

64066-04

24165-G5

SIDE DOCK

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	6.0	2.4	
Cobalt (Co)			
Chromium (Cr)	< 120	120	
Copper (Cu)	6900	60	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	28	2.4	
Lead (Pb)	42	4.8	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	3000	240	
Mercury (Hg)*			

Technical Supervisor:

*Mark Disbury*

10/5/2004

Analyst:

MD

Mark Disbury, Senior Analytical Chemist

Date Reported

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

**MICRO ANALYTICAL LABORATORIES, INC.****METALS IN SOLID WASTE**

Page 5 of 7

1004

Questa Engineering Coporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:

**STONE BOAT YARD**  
**PROJECT NO. 240165**

Micro Log In **64066**

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/29/2004

Date Analyzed 10/04/2004

**SAMPLE ID / DESCRIPTION**

Micro Sample No. Client Sample No.

64066-05

24165-G6

END BOAT RAMP

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	3.0	2.4	
Cobalt (Co)			
Chromium (Cr)	33	4.7	
Copper (Cu)	220	2.4	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	27	2.4	
Lead (Pb)	41	4.7	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	140	9.4	
Mercury (Hg)*			

Technical Supervisor:

  
 Mark Disbury, Senior Analytical Chemist

10/5/2004

Date Reported

Analyst:

MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
 This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
 Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

## MICRO ANALYTICAL LABORATORIES, INC.

## METALS IN SOLID WASTE

Page 6 of 7

1004

Questa Engineering Coporation  
P.o. Box 70356  
1501 Viking Street, #200  
Alameda, CA 94501

PROJECT:

STONE BOAT YARD  
PROJECT NO. 240165

Micro Log In 64066

Total Samples 7

Date Sampled 09/28/2004

Date Received 09/30/2004

Date Analyzed 10/04/2004

## SAMPLE ID / DESCRIPTION

Micro Sample No. Client Sample No.

64066-06

24165-G7

SOIL

ANALYTE	Analysis Results mg/kg (ppm)	Detection Limit mg/kg (ppm)	Comments
Silver (Ag)			
Aluminum (Al)			
Arsenic (As)			
Barium (Ba)			
Beryllium (Be)			
Calcium (Ca)			
Cadmium (Cd)	27	20	
Cobalt (Co)			
Chromium (Cr)	12000	40	
Copper (Cu)	1100	20	
Iron (Fe)			
Magnesium (Mg)			
Manganese (Mn)			
Molybdenum (Mo)			
Nickel (Ni)	5400	20	
Lead (Pb)	1100	40	
Antimony (Sb)			
Selenium (Se)			
Tin (Sn)			
Titanium (Ti)			
Thallium (Tl)			
Vanadium (V)			
Zinc (Zn)	600	79	
Mercury (Hg)*			

Technical Supervisor:

  
 Mark Disbury, Senior Analytical Chemist

10/5/2004

Date Reported

Analyst:

MD

Explanation: ppm = Parts per Million; mg / kg = micrograms per kilogram (same as ppm). NA = Not Applicable. ND = Not Detected (below detection limit).  
 This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed.  
 Metals analyzed using EPA Method 6010B, except Mercury analyzed using EPA Method 7470.

## ICP QC REPORT

10/04/2004

Method 6010  
 Date Prepared 10/04/2004  
 Date Analyzed 10/04/2004  
 Analyst MD

Lab ID: [REDACTED] Matrix: Soil

Analyte	Unit	Blank	Lab Control Sample			Control Limit	Sample	S1	S2	True Value	Mean Spike Recovery	Control Limit	Dup Spike RPD	
			Conc.	True Value	% Recovery								RPD	Control Limit
[REDACTED]	ppm	< 0.05	71.6	81.1	[REDACTED]	80 - 120%	5.2	101	101	99.4	Int (88.6)	100±25	0.6	20%
[REDACTED]	ppm	< 0.1	83.0	93.9	[REDACTED]	80 - 120%	16.5	607	172	99.4	Int (92.9)	100±25	112	20%
[REDACTED]	ppm	< 0.05	68.1	68.6	[REDACTED]	80 - 120%	172	170	195	99.4	NA	100±25	14	20%
[REDACTED]	ppm	< 0.05	80.7	97.6	[REDACTED]	80 - 120%	7.5	374	120	99.4	Int (86.9)	100±25	103	20%
[REDACTED]	ppm	< 0.1	116	126	[REDACTED]	80 - 120%	17.1	153	147	99.4	Int (91.8)	100±25	4.0	20%
[REDACTED]	ppm	< 0.2	265	307	[REDACTED]	80 - 120%	269	280	278	99.4	NA	100±25	0.7	20%

## CORRECTIVE ACTION

NA = Not applicable since the sample concentration is greater than 4 times the spike concentration. Sample results reported from a 1/50 dilution.

Precision for Cd, Cu, Pb and Zn is acceptable while that of Cr and Ni is outside the established control limits.

The sample was thoroughly mixed, so there may be debris containing Cr and Ni that is not evenly distributed throughout the sample.

Int = Matrix effects suspected. Sample results reported from a 1/5 dilution and confirmed with a post-digestion spike. Recoveries shown in parentheses.

A 1/5 serial dilution of sample 64066-2 agrees within 10 % of the original analysis.

Method 6010  
 Date Prepared 10/04/2004  
 Date Analyzed 10/04/2004  
 Analyst MD

**ICP QC REPORT**  
 10/04/2004

Lab ID: [REDACTED] Matrix: Sludge

Analyte	Unit	Blank	Lab Control Sample			Sample	S1	S2	Mean Spike		Dup Spike RPD			
			Conc.	True Value	% Recovery				Control Limit	True Value	% Recovery	Control Limit	% Recovery	Control Limit
[REDACTED]	ppm	< 0.05	77.1	81.1	[REDACTED]	80 - 120%	3.49	89.3	89.0	89.6	96	100±25	0.3	20%
[REDACTED]	ppm	< 0.1	89.9	93.9	[REDACTED]	80 - 120%	37.1	137	137	89.6	111	100±25	0.0	20%
[REDACTED]	ppm	< 0.05	70.4	68.6	[REDACTED]	80 - 120%	152	244	240	89.6	101	100±25	1.6	20%
[REDACTED]	ppm	< 0.05	86.5	97.6	[REDACTED]	80 - 120%	33.5	119	119	89.6	95	100±25	0.1	20%
[REDACTED]	ppm	< 0.1	123	126.0	[REDACTED]	80 - 120%	25.5	111	114	89.6	97	100±25	2.3	20%
[REDACTED]	ppm	< 0.2	280	307.0	[REDACTED]	80 - 120%	137	222	221	89.6	94	100±25	0.6	20%

009/010

MICRO ANALYTICAL

10/05/2004 13:43 FAX 5105471323

# Micro Log in #: 64066

Analyte	Conc	Sample Weight	Final Vol.	Dilution	Final Vol.	Conc.	RL	Sample RL	Regulatory Limits
	mg/L	(g)	(ml)		(L)	mg/Kg	mg/L	mg/kg	mg/kg
<b>64066-6</b>									
Cd	0.0677	1.2642	50.0	10	0.500	27	0.050	20	100
Cr	29.4970	1.2642	50.0	10	0.500	11666	0.100	40	500
Cu	2.7717	1.2642	50.0	10	0.500	1096	0.050	20	2500
Ni	13.6266	1.2642	50.0	10	0.500	5389	0.050	20	2000
Pb	2.7010	1.2642	50.0	10	0.500	1068	0.100	40	1000
Zn	1.5229	1.2642	50.0	10	0.500	602	0.200	79	5000

Analyte	Conc	Sample Weight	Final Vol.	Dilution	Final Vol.	Conc.	RPD	RL	Sample RL	Regulatory Limits
	mg/L	(g)	(ml)		(L)	mg/Kg		mg/L	mg/kg	mg/kg
<b>64066-6 Dup</b>										
Cd	0.0624	1.2135	50.0	10	0.500	26	4.0	0.050	20.6	100
Cr	13.6620	1.2135	50.0	10	0.500	5629	70	0.100	41.2	500
Cu	1.9674	1.2135	50.0	10	0.500	811	30	0.050	20.6	2500
Ni	6.1164	1.2135	50.0	10	0.500	2520	73	0.050	20.6	2000
Pb	4.1886	1.2135	50.0	10	0.500	1726	-47	0.100	41.2	1000
Zn	1.3569	1.2135	50.0	10	0.500	559	7.4	0.200	82	5000



Client: <i>Quanta Power Engineering</i>	Report To: <i>Quanta</i>	Site Name: <i>Stone Boatyard</i>
Address: <i>1501 Viking St. #200 Alameda, CA 94501</i>	Bill To: <i>Quanta</i>	Project Manager: <i>Jeff Peters</i>
	Billing Reference: <i>240165</i>	Requested Due Date: <i>Normal Turnaround (5 days)</i>
Phone: <i>510 236 6114</i>	Project No.: <i>240165</i>	

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT TYPE	PRESERVATIVES					ANALYSES REQUEST						REMARKS			
					NO. OF CONTAINERS	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VGA	Cold (Ice)	Cd	U	Cu	Pb	Ni		Zn		
1.	<i>24165-G1</i>	<i>1020</i>	<i>Soil</i>	<i>4oz Glass</i>															
2.	<i>24165-G2</i>	<i>1030</i>																	<i>Only - 10g Sample, Testing Cable Spills</i>
3.	<i>24165-G3</i>	<i>1035</i>																	<i>Send in Curt. Ck.</i>
4.	<i>24165-G4</i>	<i>1820</i>																	<i>Cut Deck</i>
5.	<i>24165-G5</i>	<i>1825</i>																	<i>Side Deck</i>
6.	<i>24165-G6</i>	<i>1830</i>																	<i>End Boat Ramp</i>
7.																			
8.																			
9.																			

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
				<i>2-6</i>	<i>Jeff Ferron / Quanta</i>	<i>W. Peters / Quanta</i>	<i>9/29/04</i>	<i>1418</i>
Additional Comments:								

### Quanta Engineering Corporation

1220 Brickyard Cove Road  
Point Richmond, CA 94807

P.O. Box 70356  
Phone: (510) 236-6114  
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD  
ANALYTICAL REQUEST

Client: <b>Power Engineering</b>	Report To: <b>Questa</b>	Site Name: <b>Stone Boatyard</b>
Address: <b>1501 Viking St., Suite 200 Alameda, CA 94501</b>	Bill To: <b>Questa</b>	Project Manager: <b>Jeff Peters</b>
	Billing Reference: <b>240165</b>	Requested Due Date: <b>Normal Turnaround (5 days)</b>
	Project No.: <b>240165</b>	

Phone: **510 236 6114**

Sampled by (Print): **Joe Farrow**

Sampler Signature: *Joseph Farrow*

Date Sampled: **9/30/04**

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	PRESERVATIVES					ANALYSES REQUEST						REMARKS	
					NO. OF CONTAINERS	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Cd	Cr	Cu	Pb	Ni	Zn		
1.	24165-G7	1020	Soil	4oz glass	1	X					X	X	X	X	X	X	metal and sludge N/C Cont.
2.	24165-G8	1025	Soil	4oz glass	1	X					X	X	X	X	X	X	metal and sludge N/C Cont.
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
				1-2	<i>Joseph Farrow</i>	<i>thmmy</i>	9-30-04	11:59

Additional Comments:

<p><b>Questa Engineering Corporation</b></p> <p>1220 Brickyard Cove Road Point Richmond, CA 94807</p> <p>P.O. Box 70356 Phone: (510) 236-6114 FAX: (510) 236-2423</p>	<p><b>CHAIN-OF-CUSTODY RECORD</b></p> <p><b>ANALYTICAL REQUEST</b></p>
---	--