

# ***Phase I Environmental Site Assessment***

## **Kaka'ako Waterfront Redevelopment Property Honolulu, Oahu, Hawaii**

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Clayton Project No. 85-06123.00

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For the benefit of business and people

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## Executive Summary

Alexander & Baldwin, Inc. retained Clayton Group Services, Inc. (Clayton), a Bureau Veritas company, to conduct a Phase I Environmental Site Assessment (ESA) of the Kaka'ako Waterfront Redevelopment property, located in the Kaka'ako District of Honolulu, Oahu, Hawaii (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM, associated with the subject property. This assessment was requested in association with proposed redevelopment of the subject property.

This assessment was performed under the conditions of, and in accordance with Clayton's Proposal Number 85ES06.191, dated October 18, 2005, and ASTM E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Any exceptions to, additions to, or deletions from the ASTM practice are described in the report. Details of the work performed, sources of information, and findings are presented in the report. Limitations of the assessment are described in Sections 1.2 and 1.3.

The subject property, Kaka'ako Waterfront Redevelopment, is an irregular-shaped area containing a total of approximately 65.5 acres. The total acreage includes approximately 36.5 acres of "Fast Lands" and approximately 29 acres of "Submerged Lands" within Kewalo Basin, located within the special Kaka'ako Redevelopment District along the southern coastline of Honolulu, in a mixed business and light industrial setting. According to the City and County of Honolulu Real Property Tax Office, the subject property is comprised of 46 land parcels with designated Tax Map Key (TMK) numbers. These parcels are located within Zone 2, Section 1, and Plats 58 and 60.

For the purposes of this project, the subject property has been divided into four Sites, as designated by the Hawaii Community Development Authority (HCDA) for the planned redevelopment project, and as agreed upon by Alexander & Baldwin, Inc. The planned use for the subject property is redevelopment, including: approximately 150,000 square feet of waterfront commercial development with retail, office and dining space on 10 acres along the Ewa (northwest) side of Kewalo Basin (Site 2); residential development with two multi-level condominium buildings and parking facilities on approximately 6 acres (Sites 1 and 3); an oceanfront public facility with an amphitheater and increased parking and open spaces on approximately 10 acres (Site 1); and continued boat harbor/marina use of Kewalo Basin, with no significant redevelopment on the northeast, southeast, and southwest adjoining land areas (Site 4).

Based on previous environmental work conducted at the subject property, 10 Unit numbers were designated for the various areas within the subject property. Site 4 of the subject property includes additional land area with no designated Unit numbers. Descriptions of current conditions at each of the four Sites are listed as follows:

- **Site 1 (Units 2 and 4)**

Site 1 is approximately 10 acres in area. The northwest portion of Site 1 (Unit 2) includes the City & County of Honolulu, Department of Wastewater Management (DWWM), Division of Collection System Maintenance facility, and a portion of Kaka'ako Waterfront Park. The southeast portion of Site 1 (Unit 4) includes the former Look Laboratory with associated hyperbaric chamber and related structures, and the Pacific Biomedical Research Center.



- **Site 2 (Units 6, 7, 8 and a small portion of Unit 5)**

Site 2 is approximately 10 acres in area. The northeast end of Site 2 (Unit 6) includes two areas. The northeast portion of Unit 6 is an asphalt-paved parking lot located on the northwest side of Fisherman's Wharf Restaurant, which is also included in Site 2. The southwest portion of Unit 6 is an unpaved lot surrounded by chain-link fencing, a portion of which is currently used by the Cutter Ala Moana Volkswagen Mazda car dealership to store new cars. The central portion of Site 2 (Unit 7) is occupied by the Kewalo Shipyard, a commercial boatyard where boats and ships are repaired and maintained. The southwest end of Site 2 (Unit 8) is known as the GRG facility, a former fish and seafood distribution and sales facility that is currently not in use.

- **Site 3 (Units 1 and 3)**

Site 3 is approximately 7.5 acres in area. The northwestern portion of Site 3 (Unit 1) is currently undergoing redevelopment activities and all of the former structures have been removed. Unit 1 was formerly occupied by the City & County of Honolulu, Department of Transportation Services Road Signs and Street Lighting Division, Department of Public Works Survey Division, and Department of Public Works Materials Testing Laboratory. The southeastern portion of Site 3 (Unit 3) is currently unoccupied, but was formerly used as the City & County of Honolulu Corporation Yard. Most of the buildings were observed on Unit 3 during Clayton's initial site inspection, and a temporary water reservoir (for dewatering purposes) is located on the southwest portion of Unit 3. Clayton revisited Unit 3 on January 6, 2006, and all of the buildings/structures had been removed except for the single-story office building at the north corner of Unit 3.

- **Site 4 (Units 9 and 10, and additional land around Kewalo Basin):**

Site 4 is approximately 9 acres in area. Site 4 includes: boat dock areas along the perimeter of the Kewalo Basin boat harbor ("Submerged Lands"); the land area along the northeast side of the harbor, which includes a commercial building; the land area along the southeast side of the harbor, which includes a roadway, parking areas, a restroom building, a fenced-in lot parking lot (Unit 9) and adjacent Mammal Lab facility (Unit 10); and the land area along the southwest side of the harbor, which includes the National Oceanic and Atmospheric Administration (NOAA) facility and the State of Hawaii Net Shed.

The historical research conducted for this assessment has established the use of the subject property since 1897. According to an 1897 topographic map of Honolulu, the entire area of the subject property and most of the adjoining areas were depicted as part of the Pacific Ocean (submerged lands), with the Honolulu coastline depicted along the northeast side of the subject property. By 1927, the northwest portion of the subject property, including Sites 1, 2 and 3, was filled in with land and developed with at least a few roadways. In 1930, an incinerator was constructed on the Ahui Street portion of the subject property, near the present John Dominis Restaurant. This incinerator was subsequently closed and a "new" Kewalo incinerator, located west to southwest of the subject property, was constructed during World War II. Ash from both of the incinerators was used as fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area (current Kaka'ako Waterfront Park).



A 1943 topographic map showed the northwest and northeast portions of the subject property partially developed with buildings/structures. This map showed Kewalo Basin with pier areas along the northeast and southeast sides (Site 4), but the southwest land area was not yet developed and remained under water. This area was depicted with the current land area and the NOAA building on a 1959 topographic map. A 1972 aerial photograph showed increased development on the subject property, with most areas occupied by commercial and industrial buildings/structures. Subsequent historical data showed only minor changes to the subject property, including some removal of structures and redevelopment.

Our historical research shows that the subject property has been used for commercial and industrial purposes since at least the 1940s. The historical data indicates that portions of Units 1, 2, 3, 4, 7, and 8 on the subject property may consist of Kewalo Incinerator ash fill material deposited as part of land reclamation activities. Government databases and previous environmental reports indicate that facilities throughout the subject property formerly included a total of 25 underground storage tanks (USTs) used for fuel storage, all of which have been removed. Several releases have been reported from these USTs and are listed in the Department of Health (DOH) leaking UST (LUST) database. A portion of the LUST sites have received a "Site Cleanup Completed" status from the DOH; however, some of these sites may be still under investigation or recommendations for further investigation and cleanup have not been completed.

This assessment has revealed evidence of numerous *recognized environmental conditions* (RECs), as defined by ASTM, in connection with the subject property. The following lists the evidence of RECs individually for each Site at the subject property, as well as general RECs pertaining to the overall subject property:

#### General

- Historical research indicates that ash from both of the former Kewalo incinerators (one onsite and one immediately adjacent to the subject property) was used as fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area. Previous environmental investigations have documented high concentrations of metals (including lead, arsenic, and chromium) in the anthropogenic ash fill material. In addition, one previous environmental investigation on Unit 8 had detections of dioxin in the ash material.

This finding is considered a REC because there is evidence of high concentrations of metals and possibly dioxin in the ash fill material. Clayton recommends implementing a Soil Management Plan which prescribes the proper handling and disposal (if required) of the ash material when it is encountered during excavation and construction activities.

- Historical research indicates that the disposal of various types of unburned garbage, refuse, and debris occurred in the area of ash fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area. Previous environmental reports have recorded observations of decayed organic matter odor and have recommended surveys to assess the potential for the generation and collection of methane gas within future structures and subsurface utility spaces.



This finding is considered a REC because there is evidence of solid waste disposal of material which may decompose and generate methane gas. Clayton recommends a soil gas survey prior to construction activities to measure the concentrations of methane across the subject property. The soil gas survey should include an assessment for the potential for methane gas intrusion and collection in structures and subsurface utility vaults.

- Storm drains were observed throughout the subject property in proximity to current and former industrial facilities. These storm drains reportedly discharge to the Pacific Ocean and/or Kewalo Basin. Based on a previous limited environmental investigation, contaminants were identified in a portion of the storm drain sediments sampled. These contaminants include metals, pesticides, and petroleum hydrocarbons. In addition, the Kewalo Shipyard facility ( Site 2, Unit 7), includes two subsurface “catch basins” located adjacent to Kewalo Boat Harbor. These structures reportedly contain sediments and may contain petroleum constituents and metals associated with shipyard activities.

This finding is considered a REC because there is evidence of impacts to the sediment within the storm drains and catch basins on the subject property. These impacts include metals, pesticides, and petroleum hydrocarbons. Clayton recommends a comprehensive investigation of the sediments in the storm drain system throughout the property and the catch basins at the Kewalo Shipyard facility. Sediments with elevated contaminant levels should be properly removed and disposed prior to redevelopment of the subject property. In addition, should redevelopment plans include activities that would disturb sediments within Kewalo Basin in areas of storm drain discharges, Clayton recommends conducting an investigation of the sediments to assess the potential impacts by metals, pesticides, and petroleum hydrocarbons.

- Historical fire insurance maps from 1950-51 through 1993 depicted structures of environmental concern on areas adjoining the subject property to the north, northeast, and northwest, which are hydrologically up-gradient to the subject property. These structures included: “Gasol. & Oil,” “Boat Building,” “Oils and Paint,” “City Welding Company,” and “Pflueger Honda sales and service” facilities on the northeast adjoining area; “Gas & Oil” structure, “Auto Repair & Greasing” structure, and “Lab” building on the north-northwest adjoining area (Unit 5); and the “City and County Department of Building” facility (with auto greasing, oil storage, and paint shop), “Tractor Repairing” facility, and “Gas & Oil” structure on the north adjoining area (northeast of Ilalo Street and Site 3). In addition, the former Kewalo Incinerator facility (current Children’s Discovery Center) on the northwest adjoining property includes an open LUST site that has not been cleaned up.

This finding is considered a REC because the adjoining facilities are known to have used petroleum hydrocarbon products and other chemical products, which have the potential to be released into the subsurface and migrate toward the subject property. In addition, the open LUST site on the northwest adjoining property (former Kewalo Incinerator) has the potential to impact the subject property. Clayton recommends conducting subsurface investigations along the north, northeast, and northwest property boundaries to assess potential impacts from offsite sources.



#### Site 1 - Unit 2 and Unit 4

- One LUST site located on Site 1 on Unit 2, identified as Tank B during previous investigations, was closed and the lateral and vertical impacts were partially delineated. Due to the presence of a building in the immediate proximity of the former UST, complete delineation of the lateral extent of the possible impacts could not be assessed.

This finding is considered a REC because the former UST site has had a confirmed release of petroleum constituents to the subsurface that has not been fully delineated. Clayton recommends further investigation of the LUST site following demolition and removal of the buildings on Unit 2.

- Shallow soils and subsurface soils on the current DWWF Facility located on Site 1 on Unit 2 were sampled as part of two limited environmental investigations. Based on these previous investigations, shallow soil and subsurface soil samples contained high lead and arsenic concentrations. In addition, one subsurface soil sample contained volatile organic compounds (VOCs) above action levels. However, it appears that the extent of the metal and VOC impacts has not been fully assessed.

This finding is considered a REC because there is evidence of impacts to soil at the DWWF Facility on Site 1 on Unit 2. These impacts include metals in the surface, as well as metals and VOCs in the subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- A previous limited environmental investigation at the LOOK Laboratory facility on Site 1 on Unit 4 indicated high concentrations of lead in the surface and subsurface soils. In addition, one subsurface soil sample had elevated concentrations of petroleum hydrocarbons.

This finding is considered a REC because there is evidence of impacts to the soil at the LOOK Laboratory facility on Site 1 on Unit 4. These impacts include metals in the surface soils and metals and petroleum hydrocarbons in the subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- A former Hawaiian Electric Company (HECO) transformer site was identified at the PBRC facility, located on Site 1 on Unit 4. According to a previous Phase I ESA report, this transformer leaked PCB-containing dielectric fluid and HECO removed the transformer and contaminated soils. Full cleanup documentation was not available for this report. However, a memorandum indicated that soil samples had non-detectable to 4.7 mg/kg concentration of PCBs which is above the current DOH Environmental Action Level of 1.1 mg/kg.

This finding is considered a REC because there is evidence that the reported PCB release was not fully cleaned up to current DOH Action Levels. Clayton recommends an assessment of the PCB impacts in the area surrounding the spill.



Site 2 – Unit 6, Unit 7, and Unit 8

- One of two LUST sites on Site 2 on Unit 6 was closed and the lateral and vertical impacts partially delineated with additional environmental investigations recommended. The recommendation specifically called for the installation of monitoring wells around the former UST Location A. However, it appears that the recommended additional investigation was not performed.

This finding is considered a REC because the former LUST site had a confirmed release of petroleum constituents to the subsurface that have not been fully delineated. Clayton recommends further investigation of the LUST site at Location A.

- Previous limited environmental investigations at the former Hawaiian Tuna Packers facility on Site 2 on Unit 6 and the former GRG facility on Site 2 on Unit 8 revealed high concentrations of lead and arsenic in the surface and subsurface soils.

This finding is considered a REC because there is evidence of impacts to the surface and subsurface soils on Site 2 at Unit 6 and Unit 8 on the subject property. Extensive delineation activities in these areas have been documented, and preliminary remedial alternative recommendations have been made. Clayton concurs with these recommendations.

- A previous limited environmental investigation at the Kewalo Shipyard facility on Site 2 on Unit 7 revealed high concentrations of lead and arsenic in the surface soils and arsenic in the subsurface soils. Additional delineation activities in this area have been documented, and preliminary remedial alternative recommendations have been made. However, the additional delineation activities were limited in scope (because previous results were below action levels) and did not include pollutant metals (other than lead and arsenic) and solvents commonly associated with shipyard activities.

This finding is considered a REC because there is evidence of impacts to the surface and subsurface soils on Site 2 at Unit 7 of the subject property. The previous investigations did not include testing for all of the chemical constituents of concern associated with shipyard activities, including priority pollutant metals (other than lead and arsenic) and solvents. Therefore, Clayton recommends further investigation of this area prior to redevelopment.

- The Kewalo Shipyard facility, located on the central portion of Site 2 on Unit 7, includes boat sandblasting activities. The boat transfer rail (where most of the sandblasting activities occur) and the surrounding areas were covered with sandblast grit during Clayton's site visit.

This finding is considered a REC because there is evidence that metals and other regulated substances may be included in the sandblast grit. Therefore, Clayton recommends the collection and analysis of samples to determine if the sandblast grit is acceptable for disposal and to assess whether any regulated substances have leached into the underlying soil.

- The former GRG facility at the southwest end of Site 2 on Unit 8 includes a below-grade hydraulic lift, which is located at the center of a concrete slab on the northwest side of the two-story office building. During the onsite inspection, Clayton observed a small, rusted steel plate at the center of the concrete slab, which was the only aboveground portion of the lift that remained. No pertinent information regarding this hydraulic lift was available during Clayton's assessment.





This finding is considered a REC because there is a potential for past releases of hydraulic fluid from this lift. Clayton recommends removing the lift and conducting soil/groundwater sampling with laboratory analyses for polychlorinated biphenyls (PCBs) and petroleum hydrocarbons.

- The former GRG facility at the southwest end of Site 2 on Unit 8 included four USTs which were removed in 1998. A release of diesel fuel was reported during closure activities and impacted soil was removed from the area immediately surrounding the UST excavation during release response activities. However, the previous environmental investigation recommended that additional remedial excavation be performed. Further documentation of the additional remedial excavation was not available for review.

This finding is considered a REC because there is evidence of a LUST site which has not been fully closed. Clayton recommends additional excavation with confirmation soil sampling in the area of the former LUST.

#### Site 3 – Unit 1 and Unit 3

- Two LUSTs sites located on Site 3 (Unit 1 [Tank D] and Unit 3 [Tank C]) were closed and the lateral and vertical impacts partially delineated. However, due to the presence of buildings in the immediate proximity of the former USTs, complete delineation of the lateral extent of the possible impacts could not be assessed.

This finding is considered a REC because the former UST sites have had confirmed releases of petroleum constituents to the subsurface that have not been fully delineated. Clayton recommends further investigation of the three LUST sites following demolition and removal of the buildings.

- The southern portion of Unit 1 on Site 3 was formerly used as a temporary refuse transfer/storage yard and a car storage yard. In addition, historical aerial photographs show this area as a portion of the former Kewalo Incinerator facility located on the adjacent property. Based on a previous limited environmental investigation, shallow subsurface soil samples contained high lead and chromium levels. However, it appears that the extent of the lead and chromium impacts have not been fully assessed.

This finding is considered a REC because there is evidence of impacts to soil in the southern portion of Unit 1 on Site 3. These impacts include metals and may include petroleum hydrocarbons and related constituents in the surface and subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- The former City and County of Honolulu Corporation Yard on Site 3 on Unit 3 includes several areas of heavy surface staining, primarily on asphalt-paved areas along the northwest side and central area.

This finding is considered a REC because there is evidence of releases of petroleum hydrocarbons and related constituents to the surface on Site 3 on Unit 3. Clayton recommends proper removal and disposal of the stained pavement. Following the removal of the stained pavement, an assessment of potential impacts to the underlying soil should be performed.



- Previous environmental investigations at the former City and County of Honolulu Corporation Yard on Site 3 on Unit 3 indicated high concentrations of lead in the surface and subsurface soils.

This finding is considered a REC because there is evidence of impacts to the soil at the former City and County of Honolulu Corporation Yard on Site 3 on Unit 3. These impacts include metals in the surface and subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- During the onsite inspection, Clayton observed a large steel plate on the asphalt-paved area on the southeast side of the southeast building on Site 3 on Unit 3 (former City & County of Honolulu Corporation Yard). An adjoining pipe that appeared as a sewage line was observed protruding from the ground and extending up the exterior wall of the building, which may indicate the presence of a cesspool below the steel plate. Although the cesspool was likely associated with sinks and toilets, there is a potential that chemical compounds associated with heavy equipment repair (such as petroleum hydrocarbons) have been released into the cesspool.

This finding is considered a recognized environmental condition because Unit 3 was formerly used for industrial purposes, and there is a potential that past disposal practices may have introduced chemical constituents of concern into the cesspool and subsurface. Clayton recommends sampling and analysis of the contents of the cesspool, followed by proper closure.

#### Site 4 – Unit 9 and Unit 10

- The 1968 tax assessment records included a building sketch showing a building labeled “U.S. & T.H. Fish & Wildlife Building,” with a small structure labeled “Power House” depicted in front of the building. Power house structures may include generators that require a UST or other fuel source, and/or electrical transformer(s) that include polychlorinated biphenyl (PCB) fluid. This Parcel is the current location of the NOAA facility on the southwestern portion of Site 4.

This finding is considered a REC because there is a potential for past releases of petroleum hydrocarbons and/or PCBs from the former power house on Site 4. Clayton recommends conducting a subsurface investigation in this area to assess potential impacts to the subject property.

This assessment has revealed numerous environmental conditions which are not considered to be *recognized environmental conditions*, as defined by ASTM, in connection with the subject property. The following lists the environmental conditions which are not considered RECs individually for each Site at the subject property, as well as general non-RECs pertaining to the overall subject property:

#### General

- Based on the historical industrial uses of the subject property, there is a potential that additional subsurface structures (such as USTs and hydraulic lifts) may exist onsite that were not identified during previous environmental investigations.

This finding is not considered a REC because there is no readily apparent evidence of additional subsurface structures at the subject property. However, Clayton recommends that all demolition and excavation activities for the proposed redevelopment be monitored for buried structures such as USTs and hydraulic lifts, as well as visually impacted soil.





- Several groundwater monitoring wells were observed across the subject property, which were installed as part of previous environmental investigations. In addition, there are five saltwater wells at the ocean research facilities on the subject property, including: two wells at the PBRC facility (Site 1, Unit 4); two wells at the NOAA facility (Site 4); and one well at or near the Mammal Lab facility (Site 4, Unit 10). The PBRC facility also includes a permitted Underground Injection Control (UIC) well for the disposal of saltwater, and the DWWM facility (Site 1, Unit 2) includes three non-permitted dry wells used for stormwater drainage.

This finding is not considered a REC because the presence of the monitoring wells, saltwater/UIC wells, and stormwater drywells does not constitute a release. However, the monitoring wells (in areas where proper closure has been documented) should be properly abandoned, and the saltwater/UIC wells and drywells should be properly closed and sealed to prevent unauthorized releases into the wells and subsurface.

- Suspect asbestos-containing materials (ACM) were observed in most of the buildings on the subject property. The only available asbestos assessment report was for the PBRC building located on Unit 4 of Site 1, which identified ACM in the form of vinyl floor tiles, pipe insulation, and acoustical ceiling plaster. Additional asbestos assessments have reportedly been conducted at the subject property but were not available for Clayton's review.

This finding is not considered a REC because asbestos is not considered an ASTM issue. However, prior to planned demolition activities which will disturb the suspect ACM, a comprehensive asbestos assessment survey should be conducted. If ACM are identified, the building owner or leased space tenant may be required to comply with applicable United States Environmental Protection Agency (USEPA), Occupational Safety and Health Administration (OSHA), National Emissions Standards for Hazardous Air Pollutants (NESHAPS), and state and local regulations.

- Because the buildings on the subject property were built prior to 1978, lead-based paint (LBP) could be an issue at this site. Sampling and laboratory analysis would be necessary to determine the presence or absence of lead-based paint.

This finding is not considered a recognized environmental condition because lead paint is not an ASTM issue. However, prior to planned demolition activities which may disturb painted building surfaces, sampling should be conducted to determine the presence or absence of lead in the painted surfaces. If LBP is identified, USEPA and Hawaii Occupational Safety and Health Administration (HIOSH) regulations must be followed during demolition activities.

- Suspect PCB-containing fluorescent light fixtures were observed throughout the buildings on the subject property. According to USEPA regulations, the small capacitors and associated potting compound within light ballasts manufactured prior to 1979 may contain PCBs. Light ballasts manufactured after 1978 should be labeled "No PCBs."

This finding is not considered a recognized environmental condition because there is no evidence of releases from the light ballasts. However, prior to the planned demolition activities, the ballasts should be inspected for "No PCBs" labels. Unlabeled ballasts should be properly packaged and transported to an approved recycling facility or PCB landfill/incinerator for disposal prior to demolition activities that may disturb these units.



#### Site 2 – Unit 8

- At the former GRG facility at the southwest end of Site 2 on Unit 8, south of the former Kane's Fish Market, an area could not be inspected due to large amounts of trash and debris. This area was identified as a location of oil staining on pavement in a previous environmental report. However, the report did not recommend further investigation of the oil-stained area.

This finding is not considered a REC because evidence of surface staining is insufficient to constitute a release. Clayton recommends that the area be further assessed following the removal of the trash and debris.

#### Site 3 – Unit 3

- One UST site, containing three USTs, was identified in Site 3 on Unit 3. The USTs were identified as having been removed in 1999 or 2000 with no reported releases according to the DOH LUST database. The UST closure documentation was not available from the DOH or any other sources.

This finding is not considered a REC because there were no reported releases at this UST site. However, Clayton recommends obtaining the closure report for technical review. If the closure report can not be located, Clayton recommends a subsurface investigation to confirm petroleum constituents were not released to the subsurface.

#### Site 4 – Unit 9

- One LUST site, containing numerous USTs, was identified at the former McWayne Marine Supply. Closure and Release Response Reports were submitted to the DOH and a No Further Action status was assigned to the LUST site. Clayton reviewed all of the reports with the exception of a report documenting the closure of one 550-gallon UST with unknown contents.

This finding is not considered a REC because the overall LUST site received a No Further Action status from the DOH. However, Clayton recommends obtaining the closure report for the 550-gallon UST for technical review.

It should be noted that there are several more previous reports that were not available for Clayton's review. These reports are listed as follows:

- *Report, Preliminary Environmental Site Assessment, Kewalo Project, Masa Fujioka & Associates, dated August 1991*
- *Hazardous Materials Survey Report, Kaka'ako Makai Ward Avenue Corporation Yard, Muranaka Environmental Consultants, Inc., dated August 1998*
- *January 2001 Removal of Contaminated Soil Monitoring, Kewalo Corp Yard, Phase I Demo Area, Masa Fujioka & Associates, dated March 2001*
- *Phase I ESA of Unit 3, Masa Fujioka & Associates, dated May 2002*
- *Kaka'ako Brownfield Unit 8 Site Characterization Study, Honolulu, Hawaii (Final Report), AMEC Earth and Environmental, dated May 2002*



- *Supplemental Phase 2 Targeted Brownfields Assessment Report, Honolulu, Hawaii (Final Report)*, Ecology and Environment, Inc., dated 2004
- *Release Response Report for former McWayne Marine Supply, 1125 Ala Moana Blvd. (references removal of one 550-gallon UST with unknown contents)*, Cotton and Frazier Consultants, Inc., dated November 11, 1994
- UST Closure Report(s) for three USTs at one site on Unit 3 of Site 3 (no more information)
- Report for the PCB cleanup at the former electrical transformer site on Unit 4 of Site 1 (PBRC facility)

These reports should be reviewed for technical content in order to complete this Phase I ESA.



## 1.0 **INTRODUCTION**

Alexander & Baldwin, Inc. retained Clayton Group Services, Inc. (Clayton), a Bureau Veritas company, to conduct a Phase I Environmental Site Assessment (ESA) of the Kaka'ako Waterfront Redevelopment property, located in the Kaka'ako District of Honolulu, Oahu, Hawaii (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM, associated with the subject property. This assessment was requested in association with proposed redevelopment of the subject property.

### 1.1 **PURPOSE**

The objective of this environmental site assessment is to provide an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. The term *recognized environmental conditions* (RECs) is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs.

### 1.2 **METHODOLOGY AND EXCEPTIONS**

This assessment was performed under the conditions of, and in accordance with Clayton's Proposal Number 85ES06.191, dated October 18, 2005, using ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as a guideline.

The assessment included the following components:

- A site walkthrough inspection of the property for visual evidence of potential environmental concerns including existing or potential soil and groundwater contamination, as evidenced by soil or pavement staining or discoloration, stressed vegetation; indications of waste dumping or burial, pits, ponds, or lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists; and underground and aboveground storage tanks.
- An investigation of historical use of the site by examining locally available aerial photographs (one source) and other readily available historical information such as fire insurance maps for evidence of prior land use that could have led to recognized environmental conditions.
- A review of information available on general geology and topography of the subject property, local groundwater conditions, sources of water, power, and sewer, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by recognized environmental conditions and environmental issues.



- A review of environmental records available from the property owner or site contact including regulatory agency reports, permits, registrations, and consultants' reports for evidence of recognized environmental conditions.
- A site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- A review of a commercial database summary of federal and state regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- Interviews with key site personnel, as available, regarding current and previous uses of the property, particularly activities involving hazardous substances and petroleum products.
- Evaluation of information gathered and development of this report.

This assessment also included the following non-ASTM items:

- Suspect asbestos-containing materials,
- Radon,
- Suspect lead-based paint,
- Sensitive ecological areas.

This assessment did not include sampling or analysis of soil, groundwater or other materials.

Mr. Tim Swartz and Mr. David Bradbury, Project Managers with Clayton's Honolulu Regional Office, conducted the site inspection portion of the assessment on November 1, 2, and 7, 2005. Clayton conducted much of the inspection unaccompanied, but was accompanied during portions of the inspection by Mr. Richard Kanemoto of Hawaii Community Development Authority (HCDA).

Resumes for environmental professionals involved in this assessment are included in Appendix A. Photographs taken at the time of the assessment are included behind the *Photographs* Tab.

### **1.3 LIMITING CONDITIONS OF ASSESSMENT**

Information for the assessment was obtained from sources listed in Appendix B. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. Clayton is not responsible for the quality or content of information from these sources.

At the time of this assessment, the following documents regarding the subject property were identified, but were not available for review:

- *Report, Preliminary Environmental Site Assessment, Kewalo Project, Masa Fujioka & Associates, dated August 1991*



- *Hazardous Materials Survey Report, Kaka'ako Makai Ward Avenue Corporation Yard, Muranaka Environmental Consultants, Inc., dated August 1998*
- *January 2001 Removal of Contaminated Soil Monitoring, Kewalo Corp Yard, Phase I Demo Area, Masa Fujioka & Associates, dated March 2001*
- *Phase I ESA of Unit 3, Masa Fujioka & Associates, dated May 2002*
- *Kaka'ako Brownfield Unit 8 Site Characterization Study, Honolulu, Hawaii (Final Report), AMEC Earth and Environmental, dated May 2002*
- *Supplemental Phase 2 Targeted Brownfields Assessment Report, Honolulu, Hawaii (Final Report), Ecology and Environment, Inc., dated 2004*
- *Release Response Report for former McWayne Marine Supply, 1125 Ala Moana Blvd. (references removal of one 550-gallon UST with unknown contents), Cotton and Frazier Consultants, Inc., dated November 11, 1994*
- UST Closure Report(s) for three USTs at one site on Unit 3 of Site 3 (no more information)
- Report for the PCB cleanup at the former electrical transformer site on Unit 4 of Site 1 (PBRC facility)

These reports should be reviewed for technical content in order to complete this Phase I ESA.

The information and opinions rendered in this report are exclusively for use by Alexander & Baldwin, Inc. Clayton will not distribute or publish this report without their consent, except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Clayton in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

## **2.0 SUBJECT PROPERTY DESCRIPTION**

### **2.1 LOCATION AND LEGAL DESCRIPTION**

The subject property, Kaka'ako Waterfront Redevelopment, is an irregular-shaped area containing a total of approximately 65.5 acres. The total acreage includes approximately 36.5 acres of "Fast Lands" and approximately 29 acres of "Submerged Lands" within Kewalo Basin, located within the special Kaka'ako Redevelopment District along the southern coastline of Honolulu, in a mixed business and light industrial setting (Figures 1 and 2, *Figures* tab).

The subject property is located approximately ½ mile southeast of downtown Honolulu, and approximately one mile west of Waikiki. Roadways in the area include: Ala Moana Boulevard and Ilalo Street along the northeast side of the subject property; Ohe Street along the northwest side of the subject property; Koula Street and Ahui Street transecting the northwest portion of the subject property (in a northeast-southwest direction); and Olomehani Street transecting the northwest portion of the subject property (in a northwest-southeast direction).



For the purposes of this project, the subject property has been divided into four Sites, described as follows:

**Site 1:** An approximately 10-acre land area bordered by: Olomehani Street to the northeast; Ahui Street, John Dominis Restaurant, an abandoned radio station, and the entrance to Kewalo Basin to the southeast; Kaka'ako Waterfront Park (with the Pacific Ocean coastline beyond) to the southwest; and Ohe Street to the northwest. Koula Street transects Site 1 in a northeast-southwest direction.

**Site 2:** An approximately 10-acre land area bordered by: Ilalo Street to the north; Ala Moana Boulevard to the northeast; Kewalo Basin to the southeast; John Dominis Restaurant and an abandoned radio station to the southwest; and Ahui Street to the northwest.

**Site 3:** An approximately 7.5-acre land area bordered by: Ilalo Street to the northeast; Ahui Street to the southeast; Olomehani Street to the southwest; and the Children's Discovery Center and Ohe Street to the northwest. Koula Street transects Site 3 in a northeast-southwest direction.

**Site 4:** An approximately 9-acre land area bordered by: Ala Moana Boulevard to the northeast; Ala Moana Beach Park to the southeast; Kewalo Basin Park and the Pacific Ocean to the southwest; and Site 1, John Dominis Restaurant, an abandoned radio station, and Site 3 to the northwest. Site 4 also includes the approximately 29 acres of Submerged Lands within Kewalo Basin.

According to the City and County of Honolulu Real Property Tax Office, the subject property is comprised of 46 land parcels with designated Tax Map Key (TMK) numbers. These parcels are located within Zone 2, Section 1, and Plats 58 and 60. All of the parcels, along with past ownership and leasing activities, are summarized in Appendix D.

According to the City and County of Honolulu Zoning Department database, the parcels that comprise the subject property are zoned "Hawaii Community Development Authority" and are located within the "Kaka'ako Special Design District." The State Land Use designation is "Urban District." In addition, most of the parcels are located within the shoreline "Special Management Area."

According to the Federal Emergency Management Agency flood insurance rate maps (FEMA/FIRM Panel Nos. 150001-0115 C and -0120 C), the northwestern portion of the subject property (Sites 1 and 3, and the northwest half of Site 2) lies within Flood Zone X, which denotes an area determined to be outside the 500-year flood plains. The southeast half of Site 2, and the southeast and southwest portions of Site 4 are located within Flood Zone A, where no base flood elevations are determined. The northeast portion of Site 4, along Ala Moana Boulevard, is located within Flood Zone AE, with a base flood elevation of four feet determined.

No records of environmental liens against the subject parcel were found in the property records or Environmental Data Resources (EDR) Database Report reviewed by Clayton.





## 2.2 CURRENT USE OF SUBJECT PROPERTY

For the purposes of this project, the subject property has been divided into four Sites, as described in the previous section (Section 2.1). Based on previous environmental work conducted at the subject property, ten Unit numbers were designated for the various areas within the subject property. The designated Site numbers and corresponding Unit numbers are listed in the following table:

Site Number	Unit Number	Descriptions
1	2	Located on the northwest portion of Site 1, Unit 2 includes the City & County of Honolulu, Department of Wastewater Management (DWWM) and a portion of Kaka'ako Waterfront Park
	4	Located on the southeast portion of Site 1, Unit 4 includes the former Look Laboratory and the Pacific Biomedical Research Center
2	5	A small portion of the southern corner of Unit 5 extends onto an asphalt-paved parking lot at the northeast end of Site 2. Most of Unit 5 is located on the north adjoining property, beyond Ilalo Street, which is occupied by an office building with several State of Hawaii Department of Health and Department of Public Safety offices.
	6	Located at the northeast end of Site 2, Unit 6 includes two areas. The northeast portion of Unit 6 is an asphalt-paved parking lot located on the northwest side of Fisherman's Wharf Restaurant, which is also included in Site 2. The southwest portion of Unit 6 is an unpaved lot surrounded by chain-link fencing.
	7	Located on the central portion of Site 2, Unit 7 is occupied by the Kewalo Shipyard, a commercial boatyard.
	8	Located at the southwest end of Site 2, Unit 8 is known as the GRG, a former fish and seafood distribution and sales facility that is currently not in use.
3	1	Located on the northwestern portion of Site 3, Unit 1 is currently undergoing redevelopment activities and does not include any buildings.
	3	Located on the southeast portion of Site 3, Unit 3 is currently unoccupied, but was formerly used as the City & County of Honolulu Corporation Yard.
4	9	Located on the southeast side of Site 4, Unit 9 currently consists of a fenced-in lot parking lot on the northeast side of the Mammal Lab facility (Unit 10).
	10	Located on the southeast side of Site 4, Unit 10 is occupied by the Mammal Lab facility, which is currently not in use.





Site Number	Unit Number	Descriptions
4 (continued)	Other Areas	The remainder of Site 4 consists of land areas along the northeast, southeast and southwest sides of the Kewalo Basin boat harbor (submerged lands), which includes boat dock areas. The land area along the northeast side of the harbor includes a commercial building, and the land area along the southwest side includes a National Oceanic and Atmospheric Administration (NOAA) facility and a State of Hawaii Net Shed.

The subject property also includes the Kewalo Basin boat harbor (Submerged Lands), which is approximately 29 acres in area. Additional information on each of the four Sites that comprise the “Fast Lands” of the subject property is listed as follows:

#### **Site 1**

The northwest portion of Site 1 (Unit 2) includes the City & County of Honolulu, Department of Wastewater Management (DWWM), Division of Collection System Maintenance facility, and a portion of Kaka’ako Waterfront Park. The DWWM facility includes a single-story office/workshop building and two garage buildings, all of which are steel-framed, corrugated metal structures. The office/workshop building includes administrative offices, locker rooms, storage areas, a mechanic’s shop, and a carpenter shop. The central garage building (Garage #1) includes a covered parking area for utility trucks, as well as an employee exercise room, conference room, two small offices, employee breakroom, and four storage rooms. The other garage building (Garage #2) is an open-sided structure used for parking utility trucks.

The southeast portion of Site 1 (Unit 4) includes the former Look Laboratory with associated hyperbaric chamber and related structures, and the Pacific Biomedical Research Center. The Look Laboratory building is a large steel-framed, corrugated metal warehouse structure that is currently used to store dry goods, such as furniture. A concrete tank equipped with an experimental wave machine is located in the southeast portion of the building, and offices are located on the mezzanine level along the northeast side of the building.

The open lot on the southwest side of the Look Laboratory building includes: a large steel hyperbaric chamber (tank) with an attached compressor shed; a small corrugated metal building labeled “Wind/Solar Research, UH, Department of Meteorology;” a three-sided concrete structure with a steel platform on top (accessible by a stairway) and attached concrete walkway/railway; a metal storage rack; and several concrete slabs that appeared as former building sites. A concrete slab with several concrete wall sections was observed at the west corner of the lot, and is reportedly the former location of a dog kennel. Piles of soil, rock, and asphalt were observed on the southern portion of the lot.

The southern portion of Unit 4 is improved with the Pacific Biomedical Research Center (PBRC), a three-story concrete and CMU building covered with metal shingles, constructed in 1972. This facility includes several laboratories and offices where marine biology research is conducted, as well as small and large aquariums containing fish, algae, coral, and other marine life. These aquariums are supplied with ocean water via two saltwater wells (with pumps) located along the adjacent coastline on the southeast and southwest sides of the facility. The seawater is pumped to a 500-gallon holding tank on the building rooftop, and is piped down (by gravity) to the various aquariums throughout the facility. Water from the aquariums flows into discharge trenches located around the perimeter of the building, which empty into



an underground injection control (UIC) well. This facility includes a UIC permit for the well (Permit No. UO-2134/Facility ID No. 3-1751.01), which expires on December 20, 2005.

## **Site 2**

The northeast end of Site 2 (Unit 6) is the former site of the WRAF/Hawaiian Tuna Packers facility, and currently includes two areas. The northeast portion of Unit 6 is an asphalt-paved parking lot located on the northwest side of Fisherman's Wharf Restaurant, which is also included in Site 2. This restaurant is a two-story brick and hard plaster building, approximately 55 years old, that includes a restaurant and bar with kitchen areas on the ground floor, and a cocktail lounge on the second floor. The southwest portion of Unit 6 is an unpaved lot surrounded by chain-link fencing, a portion of which is currently used by the Cutter Ala Moana Volkswagen Mazda car dealership to store new cars.

The central portion of Site 2 (Unit 7) is occupied by the Kewalo Shipyard, a commercial boatyard where boats and ships are repaired and maintained. Site operations include hull sandblasting, hull repairs, painting, and mechanical equipment repairs and maintenance. This facility includes a large steel-framed, corrugated metal warehouse that includes boat repair areas, a carpenter shop, a fabrication shop, and mezzanine offices. The area surrounding the building is concrete-paved and includes a transfer rail area on the northwest side that is attached to a boat ramp off of Kewalo Basin, where boats and ships are transferred to the dry dock areas. The transfer rail area is where most of the sandblasting activities occur, and this area is covered with sandblast grit. Three large, steel floating dry docks were observed under construction in the central area, between the transfer rail and the building.

The southwest end of Site 2 (Unit 8) is known as the GRG, a former fish and seafood distribution and sales facility that is currently not in use. Current structures on Unit 8 include: a two-story building constructed of concrete, CMUs, and wood, formerly used as a fish auction house, with a refrigerated building (old icehouse) attached to the southwest side, and additional refrigerators/freezers attached to the southeast side; a two-story office building constructed of wood; a single-story, CMU and corrugated metal building (formerly Kane's Fish Market) that primarily consists of refrigerator/freezer space; and a small office trailer.

## **Site 3**

The northwestern portion of Site 3 (Unit 1) is currently undergoing redevelopment activities and all of the former structures have been removed. Excavation (trenching) activities for the installation of utilities were underway during Clayton's site visit. A temporary water reservoir surrounded by a soil berm (for dewatering purposes) is located on the southeast-central portion of Unit 1, and various building materials are stockpiled in the northeast area. Unit 1 was formerly occupied by the City & County of Honolulu, Department of Transportation Services Road Signs and Street Lighting Division, Department of Public Works Survey Division, and Department of Public Works Materials Testing Laboratory.

The southeastern portion of Site 3 (Unit 3) is currently unoccupied, but was formerly used as the City & County of Honolulu Corporation Yard. At the time of Clayton's initial site visit, most of the buildings remained on Unit 3, including: a single-story office building at the north corner, constructed of CMUs with a wooden roof; a single-story office building with partial second floor in the east-southeast area, constructed of CMUs with a wooden roof, and an attached open-sided, corrugated metal parking structure; two steel-framed, corrugated metal warehouse-type buildings, including one with an attached open-sided, corrugated metal structure, located in the northeast-central area; and an open-sided, corrugated metal structure housing a metal shearing machine, located in the southwest-central area. A



temporary water reservoir surrounded by a soil berm (for dewatering purposes) is located on the southwest portion of Unit 3.

Clayton revisited the Unit 3 on January 6, 2006, and all of the buildings/structures had been removed except for the single-story office building at the north corner of Unit 3.

#### **Site 4**

Site 4 includes: boat dock areas along the perimeter of the Kewalo Basin boat harbor; the land area along the northeast side of the harbor, which includes a commercial building; the land area along the southeast side of the harbor, which includes a roadway, parking areas, a restroom building, a fenced-in lot parking lot (Unit 9) and adjacent Mammal Lab facility (Unit 10); and the land area along the southwest side of the harbor, which includes the NOAA facility and the State of Hawaii Net Shed.

The commercial building on the northeast side of the harbor is a single-story CMU and hard plaster structure originally constructed in 1955 and completely renovated around 1990. The building includes six commercial spaces, four restrooms, and an electrical utility room. Current tenants of the building provide water sport services and include: Hawaiian Parasail (Unit 101), Dive Oahu (Unit 102), a photography business (Unit 103), Morning Star Cruises (Units 104 and 109), and Monkey Business (Unit 110).

The Mammal Lab facility (Unit 10), located along the southeast side of the harbor, consists of two adjoined pools formerly used to house dolphins for research purposes. The dolphin pools include an observation deck and are surrounded by a wall, and the facility also includes two offices, living quarters, storage areas, a pool pump room, tool room, and a small kitchen. A fenced-in lot parking lot (Unit 9) is located immediately northeast of the Mammal Lab, and is the former location of Kewalo Marine Services, a marine fueling operation.

The NOAA facility is located along the southwest side of the harbor, at the northwest end of Kewalo Basin Park (which is not part of the subject property). This facility is primarily occupied by the Kewalo Research Facility, which conducts research on threatened and endangered marine animals, including the Hawaiian monk seal and the green sea turtle. The main building is a single-story, steel-framed corrugated metal structure that includes laboratories, storage areas, and office space. An asphalt-paved, fenced-in area on the southwest side of the building includes four large seawater tanks for marine animals, two seawater pump houses, two hazardous materials storage sheds, six office trailers, four large storage containers, and an open-sided storage shelter. Seawater is supplied to the marine animal tanks via two saltwater wells located along the northwestern edge of the facility. Water from the tanks flows back into Kewalo Basin via six drain pipes located along the northwestern edge of the facility.

The State of Hawaii Department of Transportation (DOT), Harbors Division, occupies one of the building spaces in the main NOAA building, which includes a small office and storage space. The DOT also maintains an open-front drum storage shed located outside the building, to the east, which included several 55-gallon drums of oil and debris and smaller containers of oils and acetone. The area along the southeast side of the NOAA facility includes two small wooden buildings and a few shipping containers, which are utilized by two small marine businesses, Aloha Fishing Supply and Ocean Catch (fish drying business). The area along the northeast side of the NOAA facility includes a large walk-in freezer structure utilized by Kewalo Ice Company, which provides ice to fishermen.



The State of Hawaii Net Shed, located just southwest of the NOAA facility, consists of a CMU building with a wood-framed, corrugated metal roof, constructed in the early 1990s. The building contains a large room with a concrete floor, where fishermen can lay out their fishing nets for repairs. The building also includes a fenced storage area, where various types of marine equipment are stored, and two restrooms.

Based on observations made during the onsite inspection and information obtained from Mr. Richard Kuitunen, Asset Manager with Hawaii Community Development Authority (HCDA) and Alexander & Baldwin, Inc., the following information about the subject property was obtained:

- The following companies provide subject property utilities:
  - Electricity: Hawaiian Electric Company (HECO)
  - Sewer: The City and County of Honolulu provides sewer services
  - Water: The City and County of Honolulu Board of Water Supply (BWS) provides water services to the subject property
- Stormwater runoff from the subject property flows via sheet flow into storm drains located throughout the subject property, and onto adjoining streets. The storm drains reportedly empty into the Pacific Ocean, which is located immediately southwest of the subject property.
- The planned use for the subject property is redevelopment, including: approximately 150,000 square feet of waterfront commercial development with retail, office and dining space on 10 acres along the Ewa (northwest) side of Kewalo Basin (Site 2); residential development with two multi-level condominium buildings and parking facilities on approximately 6 acres (Sites 1 and 3); an oceanfront public facility with an amphitheater and increased parking and open spaces on approximately 10 acres (Site 1); and continued boat harbor/marina use of Kewalo Basin, with no significant redevelopment on the northeast, southeast, and southwest adjoining land areas (Site 4).

## 2.3 CURRENT USES OF ADJOINING PROPERTIES

The general area surrounding the subject property consists of commercial businesses and light industrial operations. Adjoining properties were observed (from the subject property or from public access areas) for signs of recognized environmental conditions and their potential to pose an environmental concern to the subject property (Figure 2, *Figures Tab*). The uses and features of adjoining properties are described below.

<b>Northeast:</b>	Ala Moana Boulevard, beyond which is Ward Warehouse Shopping Center (Sites 2 and 4), and Ilalo Street, beyond which are a State office building (including Department of Health offices), Pflueger Honda Service and Parts facility, and Pflueger Prep Center (Sites 1 and 3)
<b>Southeast:</b>	Ala Moana Beach Park
<b>Southwest:</b>	Pacific Ocean
<b>Northwest:</b>	Ohe Street, beyond which are the John Burns Medical School, Children's Discovery Center, and Kaka'ako Waterfront Park



In addition to these adjoining properties, the current John Dominis Restaurant and an abandoned radio station (with tower antenna) are located on the area between Sites 1 and 2 of the subject property. These two properties are not part of the subject property.

Adjoining properties do not appear to present an environmental concern to the subject property, based on visual observations and information obtained during the assessment, except as noted below.

- The former Kewalo Incinerator and associated landfill are located on the southwest adjoining area. A portion of the former incinerator facility was also located on the southern portion of Unit 1 (Site 3) at the subject property. Previous environmental investigations have documented high concentrations of metals (including lead, arsenic, and chromium) on the southwest adjoining area, as well as on the subject property.
- Adjoining properties to the north, northeast, and northwest, which are hydrologically up-gradient to the subject property, appear to present an environmental concern to the subject property, based on historical fire insurance maps reviewed during this assessment. Fire insurance maps from 1927 through 1993 depicted structures of environmental concern on these adjoining areas, including: "Gasol. & Oil," "Boat Building," "Oils and Paint," "City Welding Company," and "Pflueger Honda sales and service" facilities on the northeast adjoining area; "Gasol. & Oil" structure, "Auto Repair & Greasing" structure, and "Lab" building on the north-northwest adjoining area (Unit 5); and the "City and County Department of Building" facility (with auto greasing, oil storage, and paint shop), "Tractor Repairing" facility, and "Gas & Oil" structure on the north adjoining area (northeast of Ilalo Street and Site 3).

## **2.4 PHYSICAL SETTING**

The subject property is located in the Kaka'ako waterfront district of Honolulu, on the lower costal portion of the Honolulu Plain physiographic region of the island of Oahu, Hawaii. According to the U.S. Geological Survey, Honolulu, Hawaii 7.5-minute topographic quadrangle map, the subject property lies at an elevation of approximately 5 to 10 feet above mean sea level (msl) (USGS, 1998).

The subject property is relatively flat and level. The general topographical gradient of the region slopes down slightly from the north/northeast to the south/southwest, from the southern end of the Ko'olau Mountain Range down to the Honolulu coastal plain at the Pacific Ocean shoreline.

### Geology

According to the U.S. Department of Agriculture Soil Conservation Service (dated August 1972), the soil beneath the subject property is listed as Mixed Fill Land (Mapping unit *FL*). This land type consists of areas filled with material dredged from the ocean or hauled from nearby areas, garbage and general material from other sources. Mixed Fill Land occurs mostly near Pearl Harbor and in Honolulu, adjacent to the ocean and is used for urban development.

### Groundwater

Clayton reviewed the Aquifer Identification and Classification Technical Report No. 179, published by the Water Resources Research Center at the University of Hawaii, for information on groundwater conditions below the subject property. The report describes the aquifer below the subject property as part of the Nuuanu aquifer system of the Honolulu sector.



The upper aquifer is an unconfined basal aquifer of the sedimentary type, with non-volcanic lithology. Its status is described as a replaceable water supply with moderate salinity (1,000-5,000 milligrams per liter [mg/L] Chloride) that is currently used, but is not considered ecologically important. This aquifer has a high vulnerability to contamination.

The lower aquifer is a confined basal aquifer of the flank type, occurring in horizontally extensive lavas. Its status is described as an irreplaceable fresh (<250 mg/L Chloride) drinking water supply that is currently used. However, because the subject property is located below the Department of Health (DOH) designated underground injection control (UIC) line, the underlying groundwater would not actually be used as a drinking water source. This aquifer has a low vulnerability to contamination.

The estimated depth to first groundwater in the vicinity of the subject property ranges from approximately 3 to 8 feet below ground surface (bgs), and the inferred groundwater flow direction is expected to follow surface topography and flow to the south/southwest towards the ocean shoreline. However, the local gradient and flow direction under the subject property may be influenced tidally, or naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend.

### **3.0 HISTORICAL AND AGENCY REVIEW**

#### **3.1 AERIAL PHOTOGRAPHS**

Aerial photographs, which include the subject and adjoining properties, were reviewed at R.M. Towill Corporation in Honolulu, Hawaii. Clayton reviewed aerial photographs from the various years, from 1949 to 1998. The photographs reviewed are summarized, by Site, as follows:

Date: 2-16-49 Aerial Photograph No. GS-MFY

**Site 1:** Site 1 of the subject property appeared as part of the Pacific Ocean (shallow water with coral reef), with the coastline along the northeast boundary of Site 1. A roadway (currently Olomehani Street) was observed along the coastline. The northwest adjacent area was also covered with water.

**Site 2:** The southwest end of Site 2 (Unit 8) appeared with one square-shaped building (former fish auction house) and various small structures and boats. The southwest adjacent area appeared undeveloped. Unit 7 (Kewalo Shipyard) appeared with all of the current buildings/structures and eight large boats on the northwest side of the main building. Unit 6 was labeled "Hawaiian Tuna Packers, Ltd." and appeared with a large warehouse-type building on the southwest portion, with a few small buildings further southwest and approximately six medium-size buildings/structures on the northeast portion. The current Fisherman's Wharf Restaurant building appeared along the southeast side of Unit 6. The north adjoining property (Unit 5) appeared with approximately eight small- to medium-size structures, and Kewalo Basin appeared to the southeast.

**Site 3:** The southwest portion of Unit 1 appeared with a curved ramp that extended from Koula Street up to the Kewalo Incinerator building on the northwest adjacent property. The remainder of Unit 1 was covered with vegetation and included a few small structures. Unit 3 appeared with the current buildings and structures, plus two large, rectangular-shaped buildings at the northeast end; two long, narrow warehouses/shelters along the northwest side; one long, narrow





warehouse/shelter on the southeast portion; and several smaller structures further southwest. Ilalo, Ohe, Koula and Ahui Streets appeared at their current locations, and various commercial-type buildings/structures appeared on the adjoining properties.

**Site 4:** Kewalo Basin appeared as a boat harbor in this photograph, but the land area on the southwest side did not exist at this time. The land area on the northeast side appeared as a parking lot, with two small buildings near the north corner of Kewalo Basin. The land area along the southeast side of Kewalo Basin appeared vacant, with a narrow canal transecting the area, extending from Kewalo Basin through Ala Moana Beach Park on the southeast adjoining property. Houses, small commercial buildings, and undeveloped land were depicted on the northeast adjoining area, beyond Ala Moana Boulevard.

Date: 9-20-52 Aerial Photograph No. 894-6

**Site 1:** Most of Unit 2 was filled in with soil, but appeared undeveloped. A seawall appeared along the southwest and southeast sides of Site 1, with a small amount of soil added to the southeast end of Unit 4. The remainder of Unit 4 and the area northwest of Unit 2 were still under water.

**Site 2:** No significant changes were observed on Site 2, except several boats and small structures were observed on the southwestern portion (Unit 8).

**Site 3:** No significant changes were observed on Unit 3 or the southwest portion of Unit 1; however, the northeast portion of Unit 1 included an L-shaped building, an open paved area, two rectangular-shaped buildings, and several stored items.

**Site 4:** One of the small buildings previously observed near the north corner of Kewalo Basin was no longer present. Two buildings (former McWayne Marine Supply) were observed along the southeast side of Kewalo Basin, near the east corner, and a rectangular-shaped building was also observed along the southeast side of Kewalo Basin.

Date: 12-18-54 Aerial Photograph No. EKM-2CC-206

**Site 1:** Additional land (soil) was added to Unit 2, completely covering the area, but most of Unit 4 and the northwest adjoining area remained under water. Several small structures and/or items were observed along the northeast edge of Unit 4.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** One large rectangular-shaped building and one small rectangular-shaped building were added to the central portion of Unit 1. No other significant changes were observed on Site 3.

**Site 4:** The current commercial building located on the northeast side of Kewalo Basin appeared under construction. One narrow wharf extended into Kewalo Basin from the northeast side. The land area along the southwest side of Kewalo Basin was present, but appeared undeveloped.



Date: 1-19-59 Aerial Photograph No. 1816-7

**Site 1:** Unit 2 appeared as a base yard with stored shipping containers and building materials, but no buildings. Unit 4 was filled in with soil, but was undeveloped. The northwest adjoining area was partially filled in with soil and partially under water.

**Site 2:** All of the current GRG buildings appeared on the southwest portion of Site 2 (Unit 8), with a few additional buildings on the northeast portion of the GRG facility. The current radio station appeared on the southwest adjoining property. No other significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** One additional building appeared near the north corner of Kewalo Basin, and construction of the commercial building on the northeast side was completed. One large rectangular-shaped building and one small rectangular-shaped building were added to the southeast side of Kewalo Basin. The current NOAA building appeared on the southwest side of Kewalo Basin.

Date: 11-23-60 Aerial Photograph No. 2183-9

**Site 1:** No significant changes were observed on Site 1.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** No significant changes were observed on Site 4, except the current Mammal Lab building was observed on the southeast side of Kewalo Basin.

Date: 12-2-69 Aerial Photograph No. 5195-14

**Site 1:** The current City & County of Honolulu, DWWMM facility appeared on Unit 2, with stored materials on the remainder of Unit 2. Unit 4 included the current Look Laboratory building, with the associated hyperbaric chamber tank and two small auxiliary buildings. The remainder of Unit 4 appeared undeveloped. The northwest adjacent area was completely filled in with soil.

**Site 2:** No significant changes were observed on Site 2. The current office building on the north adjoining property (Unit 5) appeared under construction.

**Site 3:** One small building was added to the northern portion of Unit 1. The long structures along the northwest and southeast portions of Unit 3 were partially removed. A very large warehouse-type structure was added to the northwest adjacent property.

**Site 4:** Five small structures and seven round structures (water tanks) were added to the NOAA facility, with several small structures on the southeast adjoining area. One additional wharf extended into Kewalo Basin from the northeast side.





Date: 7-21-70 Aerial Photograph No. 5367-19

**Site 1:** The current PBRC building appeared under construction on Unit 4. No other significant changes were observed on Site 1.

**Site 2:** No significant changes were observed on Site 2, except construction of the office building on the north adjoining property (Unit 5) was completed.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** No significant changes were observed on Site 4.

Date: 3-9-72 Aerial Photograph No. 5670-8

**Site 1:** Construction of the PBRC building on Unit 4 was completed. Numerous small items and/or structures were observed in the yard area of the Look Laboratory facility. No significant changes were observed on Unit 2 of Site 1.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** No significant changes were observed on Site 4, except five round structures (water tanks) were added to the NOAA facility.

Date: 12-3-74 Aerial Photograph No. 6510-4

**Site 1:** No significant changes were observed on Site 1, except a square-shaped building was added to the south portion of the Look laboratory yard on Unit 4, and fewer stored materials were observed on Unit 2.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** No significant changes were observed on Site 4, except the northeast adjoining area (beyond Ala Moana Boulevard) was redeveloped with the current Ward Warehouse Shopping Center buildings (but not the current parking structure).

Date: 12-19-76 Aerial Photograph No. 7063-4

**Site 1:** No significant changes were observed on Site 1, except additional materials were stored on Unit 2.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.



**Site 4:** No significant changes were observed on Site 4. However, the current parking structure was added to the Ward Warehouse Shopping Center on the northeast adjoining area, beyond Ala Moana Boulevard.

Date: 10-24-78 Aerial Photograph No. 7455-2

**Site 1:** No significant changes were observed on Site 1.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3.

**Site 4:** No significant changes were observed on Site 4.

Date: 11-10-90 Aerial Photograph No. 8715-9

**Site 1:** The western portion of the Look Laboratory yard area on Unit 4 was improved with three additional buildings, including one odd-shaped building with two connecting wings that was partially fenced in. The southwest adjacent area was improved with an asphalt-paved parking lot. The current John Dominis Restaurant appeared on the southeast adjoining property, between Sites 1 and 2 of the subject property.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3, except one rectangular-shaped building was added to the northern portion of Unit 1.

**Site 4:** The two small buildings previously observed near the north corner of Kewalo Basin was no longer present. Three wharfs were added to the southeast side of Kewalo Basin. The current Net Shed appeared on the southwest side of Kewalo Basin, and the current Kewalo Basin Park was observed to the southeast of the Net Shed (offsite). The NOAA facility included four additional small buildings on the southeast portion.

Date: 1-17-92 Aerial Photograph No. 8799-6

**Site 1:** Various piles of soil, asphalt, gravel, and concrete rubble were observed on the northwest portion of Unit 2, and the southwest portion of Unit 2 appeared as a cleared area with dark-colored soil. One medium-size rectangular-shaped building was added to the southeast portion of the Look Laboratory yard on Unit 4. The current Kaka'ako Waterfront Park appeared under development (approximately halfway completed) on the northwest adjoining area, and the current brick walkways appeared along the southwest and southeast sides of Site 1, immediately adjacent to the ocean coastline.

**Site 2:** No significant changes were observed on Site 2. A large amount of black sandblast grit was observed at the Kewalo Shipyard facility on Unit 8.

**Site 3:** The southern portion of Unit 1 appeared as a fenced-in auto salvage yard containing numerous cars and trucks. No significant changes were observed on Unit 3.



**Site 4:** No significant changes were observed on Site 4, except one of the central rectangular-shaped buildings on the southeast side of Kewalo Basin was removed.

Date: 2-28-94 Aerial Photograph No. 8925-14

**Site 1:** No significant changes were observed on Site 4, except one wing of the odd-shaped building in the Look Laboratory yard on Unit 4 was removed. In addition, development of the Kaka'ako Waterfront Park on the northwest and southwest adjoining areas was completed.

**Site 2:** No significant changes were observed on Site 2, except a long, narrow structure (possibly a carport) was added along the southwest and southeast sides of the Kewalo Shipyard on Unit 7.

**Site 3:** No significant changes were observed on Site 3, except the fenced-in area on the southern portion of Unit 1 no longer appeared as an auto salvage yard. Only a few cars and trucks were parked in this area.

**Site 4:** The buildings on the southeast side of Kewalo Basin were removed, except for one small structure in the central area, the Mammal Lab (Unit 10), and a building on the northeast side of the Mammal Lab (former Kewalo Marine Service [Unit 9]). No other significant changes were observed on Site 4.

Date: 2-1-97 Aerial Photograph No. 9037-7

**Site 1:** No significant changes were observed on Site 1, except the piles of soil, asphalt, gravel, and concrete rubble were no longer observed on the northwest portion of Unit 2. Other stored materials were observed in this area.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** The ramp to the adjacent Kewalo Incinerator building on the southern portion of Unit 1 was no longer present. Instead, one small building was added and several parked utility trucks were observed in this area. The Kewalo Incinerator building was renovated and appeared as the current Children's Discovery Center. In addition, the long, narrow structure on the southeast portion of Unit 3 was no longer present. No other significant changes were observed on Site 3.

**Site 4:** The vacant area on the southeast side of Kewalo Basin was redeveloped with the current parking lot and restroom building. No other significant changes were observed on Site 4.

Date: 5-26-98 Aerial Photograph No. 9066-169

**Site 1:** No significant changes were observed on Site 1.

**Site 2:** No significant changes were observed on Site 2.

**Site 3:** No significant changes were observed on Site 3, except the large warehouse building on the northwest adjoining property was replaced with an open grassy area.

**Site 4:** No significant changes were observed on Site 4.



No readily apparent evidence of recognized environmental conditions at the subject or adjoining properties was noted on the aerial photographs reviewed, except for the following:

- Industrial facilities were observed throughout the subject property in most of the aerial photographs reviewed by Clayton. These former facilities are known to have used petroleum hydrocarbon products (fuels and oils), metals, and other potentially hazardous materials in their operations, which have the potential to be released into the subsurface of the subject property.

### **3.2 USGS TOPOGRAPHIC MAPS**

Historic topographic maps for the subject property and vicinity were obtained at the State Archives building, located on the Iolani Palace grounds in Honolulu, Hawaii, and from Clayton's map collection. Topographic maps from the years 1897, 1909-1913, 1927, 1943, 1959, 1969, 1983, and 1998 were available for review and are summarized as follows:

Date: 1897                      Honolulu, Hawaiian Islands M.D. Monsarrat Survey

- The entire area of the subject property and adjoining areas to the northwest, southwest and southeast were depicted as part of the Pacific Ocean (submerged lands). The Honolulu coastline was depicted along the northeast side of the subject property, with a coastal roadway labeled "Beach Road" (currently Ala Moana Boulevard). The land area located further northeast appeared undeveloped and was labeled "Kaakaukui." The nearest structure was a large U-shaped seawall located northwest of the subject property, which extended from the coastline out into the ocean.

Date: 1909-1913              U.S. Army Engineers, Island of Oahu, Territory of Hawaii

- The subject property and southeast/southwest adjoining areas remained as submerged lands. However, the northwest adjoining area was depicted as marsh land, with a complex labeled "Fort Armstrong" located further northwest. The area to the northeast was also depicted as marsh land, and included a U-shaped building and two L-shaped buildings beyond Beach Road.

Date: 1927                      U.S. Army Engineers, Island of Oahu, Territory of Hawaii

- Part of the northwest portion of the subject property, including Sites 2 and 3, was depicted as a land area, but Site 1 remained as submerged lands. The north-northwest adjacent area included several unimproved roads and a few small buildings/structures, and the area further north-northwest was more densely developed. The area to the northeast was also depicted with unimproved roads, but the structures shown on the 1910-1913 map were no longer depicted to the northeast. Most of Site 4 of the subject property, and the southeast and southwest adjoining areas, remained as submerged lands.

Date: 1943                      U.S. Army Corps of Engineers, Honolulu Quadrangle Terrain Map

- The subject property was depicted with several buildings/structures, including: four rectangular-shaped buildings and one small square building on the eastern portion of Site 3 (Unit 3); one square structure on the southwest portion of Site 2 (Unit 8); three rectangular-shaped buildings on the southwest-central portion of Site 2 (Unit 7 and/or Unit 8); and three small square structures at the northeast end of Site 2 (Unit 6). The area of Kewalo Basin was labeled "Kewalo" and included



pier areas along the northeast and southeast sides (Site 4), but the southwest land area was not yet developed and remained under water. Site 1 remained as submerged lands.

Ala Moana Beach Park, located on the southeast adjoining area, was developed at this time. Eight small square structures and one small rectangular-shaped structure were depicted on the northeast adjoining area, beyond Beach Road. One rectangular-shaped building was depicted northeast of Ilalo Street, and additional development was shown on the north adjoining area.

Date: 1959                      Dept. of the Interior, U.S. Geological Survey, Honolulu Quadrangle

- The area of the subject property was depicted with the current roadways, except for the southwestern portion of Koula Street and the section of Ilalo Street that extends from Ahui Street to Ala Moana Boulevard. The current Kaka'ako Waterfront area (with seawall) was depicted along the southwest side of Site 1. Two rectangular-shaped buildings were shown on the southwest portion of Site 2 (Unit 8), with a round structure labeled "(KGU-KULA) Radio Tower" on the southwest side (offsite). The current Kewalo Basin was shown, including the land area on the southwest side with the NOAA building depicted (Site 4). Three rectangular-shaped buildings were depicted on the southeast side of Kewalo Basin, and one rectangular-shaped building (current commercial building) was depicted on the northeast side of Kewalo Basin (Site 4).

No additional buildings were shown on the subject and adjoining properties, but the general area was shaded to depict dense, unspecified development. A small round structure labeled "Stack" was depicted on the northwest adjacent property, between Sites 1 and 3, where the former Kewalo Incinerator was located.

Date: 1969                      Dept. of the Interior, U.S. Geological Survey, Honolulu Quadrangle

- Additional development was depicted on the subject property, including: the three current buildings at the City & County of Honolulu DWWM facility on the northwest portion of Site 1 (Unit 2); a large square structure on the east-southeast portion of Site 1, where the current Look Lab is located (Unit 4); one square structure on the southwest portion of Site 2 (Unit 8), one rectangular-shaped building on the southeast side of Kewalo Basin, where the current Mammal Lab is located (Site 4, Unit 10); and approximately five small structures on the southwest side of Kewalo Basin, next to the NOAA building (Site 4). No other significant changes were depicted on the subject and adjoining properties.

Date: 1983                      Dept. of the Interior, U.S. Geological Survey, Honolulu Quadrangle

- No significant changes from the 1969 topographic map were shown on the subject and adjoining properties, except the structures previously depicted on Sites 1 and 2 of the subject property were no longer shown on this map. Instead, these areas were shaded to depict dense, unspecified development.

Date: 1998                      Dept. of the Interior, U.S. Geological Survey, Honolulu Quadrangle

- No structures were depicted on the subject property, except for the commercial building, NOAA building, Net Shed building, and three small square structures on Site 4. The remainder of the subject property was shaded to depict dense, unspecified development. No significant changes



from the 1983 topographic map were shown on the adjoining properties, except the west-northwest adjoining area was labeled “Kaka’ako Waterfront Park.”

No readily apparent evidence of recognized environmental conditions at the subject or adjoining properties was noted on the topographic maps reviewed, except for the following:

- Known industrial facilities were depicted on various portions of the subject property and adjoining properties in the topographic maps reviewed by Clayton. These former facilities are known to have used petroleum hydrocarbon products (fuels and oils), metals, and other potentially hazardous materials in their operations, which have the potential to be released into the subsurface of the subject property.

### **3.3 FIRE INSURANCE MAPS**

Fire insurance maps that include the subject and adjoining properties were obtained from Hamilton Library, located at the University of Hawaii, Manoa Campus, Honolulu, Hawaii, for the period 1914 to 1993. However, there was no map coverage available for Sites 1 and 3 of the subject property, and coverage of Site 4 was limited to the northeast portion. The available maps depicted the following:

1914: Features of the subject property and immediate surrounding area were not available for review in site-specific maps. However, a general index map of the region showed the subject property and adjoining areas to the northwest, southwest and southeast as part of the Pacific Ocean (submerged lands). The Honolulu coastline was depicted along the northeast side of the subject property, with a coastal roadway labeled “Ala Moana.”

1927: The general index map of the region showed part of the northwest portion of the subject property, including Sites 2 and 3, as a land area. However, Site 1 remained as submerged lands. No details were shown except for a square-shaped building with a central atrium labeled “Albert K. Poonika Public School,” located at or adjacent to the northwest end of Site 3 on the subject property. The southeast portion of the subject property (Site 4) remained as submerged lands and was labeled “Kewalo Basin.”

Detailed information was indicated northeast of the subject property, beyond Ala Moana Boulevard. Structures in this area included (from northwest to southeast): “Allen & Robinson’s Lumber Yard” with a building material storage building, Ward Avenue, “Gasol & Oil” facility, store, “Roofing Material” building with office, and “Boat Building.” No map coverage was provided for the area northeast of Site 4 on the subject property.

1950-51: The general index map showed Ahui Street and Koula Street in place on the northwest portion of the subject property (Sites 1 and 3); however, no details were depicted in this area. Details were shown on Units 6 and 7 of Site 2 at the subject property, which included: Fisherman’s Wharf Restaurant, a large cold storage structure, and a small auto repair facility on the northeast portion of Unit 6; “Hawaiian Tuna Packers Ltd.” fish cannery on the southwest portion of Unit 6, including a main cannery building (for fish cleaning, cooking, packing, and shipping), a boiler house (with oil storage)/reduction plant, welding shop, parts storage building, and office building; and the current Kewalo Shipyard facility on Unit 7, which included the main “Boat Building” with a drafting room, woodworking shop, machine shop, lumber storage structure, and paint warehouse, and two areas on the northwest side labeled “Marine





Ways.” Wharf areas were shown along the northwestern edge of Kewalo Basin, but there was no map coverage for the remainder of the subject property.

No significant changes were indicated on the northeast adjoining area, beyond Ala Moana Boulevard, except for additional development including stores, restaurants, an “Oils and Paint” facility, and the “City Welding Company” facility. The north-northwest adjoining area (Unit 5) was improved with the Board of Harbor Commissioners facility, which included a woodworking building, warehouse, “Gas & Oil” structure, “Auto Repair & Greasing” structure, storage sheds, and a small “Lab” building. The area further northwest (northeast of Ilalo Street and Site 3) included the “City and County Department of Building” facility (with auto greasing, oil storage, and paint shop), “Board of Water Supply” pipe yard, “Tractor Repairing” facility, “Paper and Magazine Warehouse,” and “Paper Stock Company, Ltd.” facility, which included a “Gas & Oil” structure, “Furniture Factory”/“Paper Excelsior Factory” building, and a structure used for paper receiving, sorting, and pressing. The building located at or adjacent to the northwest end of Site 3 on the subject property, formerly labeled “Albert K. Poonika Public School,” was now labeled “Ala Moana Opportunity Territorial School.”

1956: No significant changes from the 1950-51 fire insurance maps were indicated on the subject property. However, this map showed the eastern portion of Site 4, which was not included on the earlier maps. The McWayne Marine Supply Ltd. facility was depicted in this area and included a store/warehouse building and a carport. Some changes were indicated on the adjoining properties, including: the removal of the “Oils and Paint” facility and changing of the “City Welding Company” facility to the “Western Builders” facility on the northeast adjoining area (beyond Ala Moana Boulevard); and the changing of the “Tractor Repairing” facility to the “Kona Studio Television” facility on the north adjoining area (northeast of Ilalo Street and Site 3). This map also included more of the northeast adjoining area, directly across from Kewalo Basin, which included a boat building, cold storage structure, furniture repairing building, two restaurants, and a used car sales yard with a small office building.

1962: No significant changes from the 1956 fire insurance map were indicated on the subject property. However, some changes were observed on the adjoining areas. Changes on the northeast adjoining area (beyond Ala Moana Boulevard) included the removal of the lumber yard and the addition of office buildings, woodworking structure, store, night club, and an auto sales and service facility. The “Kona Studio Television” facility on the north adjoining area (northeast of Ilalo Street and Site 3) was changed to a printing facility. In addition, the building located at or adjacent to the northwest end of Site 3 on the subject property, formerly labeled “Ala Moana Opportunity Territorial School,” was now labeled “State of Hawaii Department of Health, Convalescent Center.”

1972-73: No significant changes from the 1962 fire insurance map were indicated on the subject property, except the current commercial building was depicted on the northeast portion of Site 4 and included two stores and a boat supplies business.

The northeast adjoining area (beyond Ala Moana Boulevard) was redeveloped and included a commercial complex labeled “Ward Plaza,” the current Ward Warehouse shopping center, and a large building labeled “Hotel Supply Warehouse” and “Bonded Liquor Warehouse.”



1975: No significant changes from the 1972-73 fire insurance maps were indicated on the subject property, except the northeast portion of Site 4, near the north corner of Kewalo Basin, was improved with a facility labeled "Hawaiian Water Transportation Corp." that included a warehouse and boat repair structure.

The north-northwest adjoining area (Unit 5) was redeveloped with the current office building, which was labeled "U.S. Army Offices." In addition, the area northwest of Site 3 on the subject property was redeveloped with a large structure labeled "Grocery Warehouse."

1976: No significant changes from the 1975 fire insurance map were indicated on the subject or adjoining properties.

1977: No significant changes from the 1976 fire insurance map were indicated on the subject or adjoining properties.

1986: No significant changes from the 1977 fire insurance map were indicated on the subject or adjoining properties, except the boat repair structure previously shown on the northeast portion of Site 4 was now labeled as a warehouse.

No significant changes were observed on the adjoining properties, except for the area northeast of site 3, which included a City and County Litter Control facility but no longer included the printing facility.

1991: No significant changes from the 1986 fire insurance map were indicated on the subject property. No significant changes were observed on the adjoining properties, except for the area northeast of site 3, which included the current Pflueger Honda sales and service facility.

1993: No significant changes from the 1991 fire insurance map were indicated on the subject property.

The following evidence of recognized environmental conditions at the subject and adjoining properties was noted on the fire insurance maps reviewed:

- Portions of the subject property formerly included structures of environmental concern, including: the auto repair facility on the northeast portion of Unit 6; a boiler house (with oil storage)/reduction plant and welding shop on the southwest portion of Unit 6; and the "Boat Building" structure with machine shop and paint warehouse on Unit 7.

This finding is considered a *recognized environmental condition* because the former facilities are known to use petroleum hydrocarbon products (fuels and oils) and metals which have the potential to be released into the subsurface of the subject property.

- Structures of environmental concern were indicated on the adjoining areas to the north, northeast, and northwest, which are hydrologically up-gradient to the subject property. These structures include: "Gasol. & Oil," "Boat Building," "Oils and Paint," "City Welding Company," and "Pflueger Honda sales and service" facilities on the northeast adjoining area; "Gas & Oil" structure, "Auto Repair & Greasing" structure, and "Lab" building on the north-northwest adjoining area (Unit 5); and the "City and County Department of Building" facility (with auto greasing, oil storage, and paint shop),





“Tractor Repairing” facility, and “Gas & Oil” structure on the north adjoining area (northeast of Ilalo Street and Site 3).

This finding is considered a REC because the adjoining facilities are known to use petroleum hydrocarbon products and other chemical products, which have the potential to be released into the subsurface and migrate toward the subject property.

### 3.4 PRIOR OWNERSHIP

Readily available records at the City and County of Honolulu Real Property Tax Assessment Office were reviewed to assess past ownership and leasing activities at the subject property, which includes numerous land parcels with designated Tax Map Key (TMK) numbers. Copies of the tax maps, showing the locations of each land parcel with the corresponding TMK number, are included in this report as Figures 7 and 8, behind the *Figures* tab. A summary of the tax assessment records is included as a table in Appendix D.

No readily apparent evidence of recognized environmental conditions at the subject property was noted in the ownership records reviewed, except for the following:

- TMK: (1) 2-1-58: Parcel 1 – In 1970, leases were issued to McWayne Marine Supply, Ltd. and Mr. G. Kimura to dispense fuel via tank trucks.
- TMK: (1) 2-1-58: Parcel 2 – In 1944, a lease was issued to Hawaiian Tuna Packers, Ltd. This industrial facility is known to have maintained four USTs, one of which was a LUST. In 1969 and 1987, portions of this parcel were used for boat repair, which most likely involved the use of potentially hazardous materials.
- TMK: (1) 2-1-58: Parcel 8 – In 1949, this parcel was set aside for addition to the City and County Corporation and Utility Yard. This industrial facility is known to have maintained three USTs.
- TMK: (1) 2-1-58: Parcel 35 – In 1985, a lease was issued to WRAF Corp. This industrial facility is known to have maintained four USTs. In 1987, a lease was issued to Keehi Marine, Inc. for boat repair work, which most likely involved the use of potentially hazardous materials.
- TMK: (1) 2-1-58: Parcel 37 – In 1955, this parcel was labeled as “Incinerator Site No. 1.” Ash from incinerators may contain hazardous materials such as heavy metals.
- TMK: (1) 2-1-58: Parcel 38 – In 1944, this parcel was labeled as “Kewalo Incinerator Site No. 2.” Ash from incinerators may contain hazardous materials such as heavy metals.
- TMK: (1) 2-1-58: Parcel 39 – In 1956, a portion of this parcel was set aside for addition to the City and County of Honolulu Corporation and Utility Yard. This industrial facility is known to have maintained three USTs.
- TMK: (1) 2-1-58: Parcel 41 – In 1946, a lease was issued to Marine Services Station. Service stations typically maintain USTs, which have a potential to impact the property. In 1978, a lease was issued to GRG Enterprises, a facility that is known to have maintained USTs.



- TMK: (1) 2-1-58: Parcel 47 – In 1956, records stated that this parcel may include an “old Incinerator Site.” Ash from incinerators may contain hazardous materials such as heavy metals.
- TMK: (1) 2-1-58: Parcel 55 – In 1966, a sub-lease was issued to Standard Oil Company. This company is a supplier of petroleum hydrocarbon products, which may have the potential to impact the parcel.
- TMK: (1) 2-1-58: Parcel 64 – The 1968 records included a building sketch showing a building labeled “U.S. & T.H. Fish & Wildlife Building,” with a small structure labeled “Power House” depicted in front of the building. Power house structures may include generators that require a UST or other fuel source, and/or electrical transformer(s) that include polychlorinated biphenyl (PCB) fluid. This Parcel is the current location of the NOAA facility on the southwestern portion of Site 4.
- TMK: (1) 2-1-58: Parcel 72 – In 1972, a lease was issued to McWayne Marine Supply, Ltd., a facility that is known to have maintained USTs.
- TMK: (1) 2-1-58: Parcels 82, 83, 84 & 85 – In 1981, leases were issued to GRG Enterprises, a facility that is known to have maintained USTs.
- TMK: (1) 2-1-58: Parcel 91 – In 1985, a lease was issued to GRG Enterprises, a facility that is known to have maintained USTs.
- TMK: (1) 2-1-60: Parcel 4 – In 1966, this parcel was labeled as “Kewalo Incinerator Site No. 2.” Ash from incinerators may contain hazardous materials such as heavy metals.
- TMK: (1) 2-1-60: Parcel 6 – In 1966, this parcel was labeled as “Kewalo Corporation and Utility Yard.” This industrial facility is known to have maintained three USTs.
- TMK: (1) 2-3-37: Parcel 3 – In 1958, a lease was issued to McWayne Marine Supply, Ltd., a facility that is known to have maintained USTs.
- TMK: (1) 2-3-37: Parcel 5 – In 1950, a lease was issued to McWayne Marine Supply, Ltd., a facility that is known to have maintained USTs.

These findings are of environmental concern because they indicate former facilities that typically generate potentially hazardous materials/wastes, which have the potential to be released into the subsurface of the subject property.

### **3.5 AGENCY CONTACTS**

#### **3.5.1 Building, Planning, and/or Zoning Departments**

The City and County of Honolulu Zoning Department database was reviewed to assess the zoning designations for the subject property. According to the database, the parcels that comprise the subject property are zoned “Hawaii Community Development Authority” and are located within the “Kaka’ako Special Design District.” The State Land Use designation is “Urban District.” In addition, most of the parcels are located within the shoreline “Special Management Area.”



The City and County of Honolulu Building Department database was reviewed to obtain historical use information for the subject property. Numerous building permits were listed for the parcels that comprise the subject property, including permits for building demolitions, building additions, building alterations, plumbing, electrical upgrades, and various repairs. No evidence of underground storage tanks (USTs) or other subsurface structures of environmental concern were listed in the Building Department database. However, other evidence of environmental concern was identified in the permit records, including the following:

- TMK: (1) 2-1-058: 002 (currently Unit 7 of Site 2) - Listings of "Light Manufacturing, Processing and Fabrication Facility (Photo processing, publishing)" were included for two structures built in 1933 and 1940, and an activity code was listed for "Shipbuilding and Other Large-Scale Repair."
- TMK: (1) 2-1-058: 041 (currently Unit 8 of Site 2) - Listings of "Light Manufacturing, Processing and Fabrication Facility (Photo processing, publishing)" were included for three structures built in 1934 and 1957.
- TMK: (1) 2-1-058: 059 (currently Unit 9 of Site 4) - Listing of "Limited Repair and Maintenance Facility (Service Station, Car Wash)" was included for a structure built in 1958.
- TMK: (1) 2-1-058: 095 (currently Unit 6 of Site 2) - Listings of "Light Manufacturing, Processing and Fabrication Facility (Photo processing, publishing)" were included for seven structures built between 1933 and 1953. Another listing was included under the name "Medfly Hawaii Lab II," for a laboratory/cannery structure.
- TMK: (1) 2-1-060: 002 (currently Unit 2 of Site 1) - Listings of "Repair Yard and Related Facility" were included for three structures built in 1950 and 1966. Other listings were included with structure codes of "Sewage Disposal, Incinerator (Other)" and "Plant, Power/Transformer, Pumping Station."
- TMK: (1) 2-1-060: 004 (currently Unit 1 of Site 3) - Listing under the project name: "Kewalo Incinerator" were included, with a structure code of "Sewage Disposal, Incinerator (Other)."
- TMK: (1) 2-1-060: 005 (currently Unit 3 of Site 3) - Listings of "Repair Yard and Related Facility" were included for seven structures built in 1945.
- TMK: (1) 2-1-060: 006 (currently Unit 1 of Site 3) - Listings of "Repair Yard and Related Facility" were included for five structures built in 1945 and 1980.

These findings are of environmental concern because they indicate former facilities that typically generate potentially hazardous materials/wastes, which have the potential to be released into the subsurface of the subject property.

### **3.5.2 Department of Health/Solid and Hazardous Waste Branch**

The State of Hawaii Department of Health (DOH), Solid and Hazardous Waste Branch, Underground Storage Tank (UST) and Leaking Underground Storage Tank (LUST) databases were reviewed to obtain information regarding environmental concerns or violations at the subject property.



The subject and adjoining properties were identified in the DOH UST/LUST databases reviewed, as presented in the following table:

Facility/Address/(Clayton ID Number)	Database	Proximity to Subject Property	Environmental Concern
Honolulu Corporation Yard 160 Ahui Street (S3U3A)	UST	Onsite (Site 3, Unit 3)	Yes; UST closure report needs to be reviewed
WRAF Hawaiian Tuna Packers 1011 Ala Moana Blvd. (S2U6A)	UST, LUST	Onsite (Site 2)	Yes; one LUST site requires further investigation (UST Location A)
Electrical & Maintenance Service 160 Koula Street (S3U1A & S3U1D)	UST, LUST	Onsite (Site 3, Unit 1)	No for S3U1A; UST "Permanently Out of Use" and LUST "Site Cleanup Completed" Yes for S3U1D; LUST site requires additional investigation
GRG Enterprise Inc. Marine Basin 115 Ahui Street (S2U8A)	UST, LUST	Onsite (Site 2, Unit 8)	Yes; although LUST "Site Cleanup Completed," there is evidence that the LUST site has not been fully closed
KGU Radio Station 111 Ahui Street	UST	Adjacent (between Sites 1 and 2)	No; UST "Permanently Out of Use" with no reported releases
Cutter Motor Cars 800 Ala Moana Boulevard	UST, LUST	Adjacent to Northeast of Site 3	No; LUST "Site Cleanup Completed"
Kewalo Marine Services 1125C Ala Moana Blvd. (S4U9A)	UST, LUST	Onsite (Site 4, Unit 9)	No; UST "Permanently Out of Use" and LUST "Site Cleanup Completed"
Kewalo Incinerator/Ash Dump 111 Ohe Street	LUST	Adjacent to Northwest of Site 3, Unit 1	Yes; open LUST Site (Case Transferred to DOH HEER Office)
Look Lab 811 Olomehani Street (S1U4A)	UST	Onsite (Site 1, Unit 4)	No; UST closure completed with no reported releases
McWayne Marine Supply 1125 Ala Moana Blvd. (S4A)	UST, LUST	Onsite (Site 4)	Yes; USTs "Permanently Out of Use" and LUST "Site Cleanup Completed;" however, Release Response Report for one 550-gallon UST should be obtained and reviewed

It should be noted that there are additional tanks at the subject property that were not found in the DOH UST/LUST databases. These tanks, along with those included in the table above, are addressed in the UST table in Section 5.4.1.



### 3.5.3 DOH/Hazard Evaluation and Emergency Response (HEER) Branch

The State of Hawaii Department of Health (DOH), Hazard Evaluation and Emergency Response (HEER) Branch databases were reviewed to obtain information regarding environmental spills, concerns or violations at the subject property.

The subject and adjoining properties were identified with release sites in the DOH HEER databases reviewed, as presented in the following table:

Facility/Address	Proximity to Subject Property	Environmental Concern
Kaka'ako Brownfield Project-Unit 6 1101 Ala Moana Blvd.	Onsite (Site 2, Unit 6)	Yes; under evaluation for use restriction
Ward Avenue & Ala Moana Blvd. Ala Moana Blvd./Ward Avenue	Adjacent to Northeast	No; spill cleaned up and issued No Further Action (NFA) status
Fisherman's Wharf Restaurant Ala Moana Blvd./Ward Avenue	Onsite (Site 2)	No; NFA issued
Wasa Electric-Komatsu Hydraulic Line Leak (in front of Fisherman's Wharf Restaurant) Ala Moana Blvd./Ward Avenue	Onsite (Site 2)	No; <i>de minimis</i> release and NFA issued
Kaka'ako Brownfield Project-Unit 3 160 Ahui Street	Onsite (Site 3, Unit 3)	No; NFA issued for oily water discovered during building demolition (NFA not issued for entire Brownfield site)

### 3.5.4 City and County of Honolulu Website

According to the City and County of Honolulu website, [www.opala.org/history.html](http://www.opala.org/history.html), in 1930 an incinerator was constructed on Mohala Street (now Ahui Street) near the east end of the Fort Armstrong seawall and close to the present John Dominis Restaurant. This location is apparently part of the subject property, although the exact location of the incinerator could not be determined. In 1933, Executive Order (E.O.) 577 set aside 3.005 acres for the disposal of ash from the incinerator. This ash disposal site was near the 1930 incinerator and also included a portion of the site for the next Kewalo incinerator, which was located just west of the subject property at the current Children's Discovery Center site. The separate sites for the two Kewalo incinerators were covered by Executive Order 1049 in 1944. Also in 1944, E.O. 1051 set aside 11.31 acres of tidelands adjoining the second Kewalo incinerator site for additional ash disposal space. The mauka (northeast) boundary of this site, for more than 1,200 feet, was seawall adjoining Fort Armstrong. From the foregoing 11.31 acres, various withdrawals were made later. Almost two acres were withdrawn for a police pistol range by E.O. 1065. Another acre was withdrawn in 1949 for use as a police motorpool.

The "new" Kewalo incinerator, located just west of the subject property, was constructed during World War II. In 1950, the City and Territory of Hawaii cooperated in building yet another seawall to enclose another 30 acres of space for more incinerator ash and other non-combustibles. There was no executive



order for this site. The filling of the enclosed space behind the wall proceeded rapidly, and in 1959, City and State (statehood had come) officials met to discuss the near-completion of the fill behind the seawall. The State Land Commissioner said that the area could be filled another six feet above the top of the seawall. With this permission, the City continued filling. As the height increased, the State expressed concern over the mountain of ash which was growing so rapidly. The State finally told the City in 1971 to stop placing any more ash at Kewalo. Parts of the ash pile were then 25 feet above the top of the seawall. The Kewalo incinerator ceased operations in 1977. In 1992, the State constructed a waterfront park (current Kaka'ako Waterfront Park) on the ash pile.

### 3.6 PREVIOUS ENVIRONMENTAL REPORTS

A total of 30 previous environmental reports were available for review by Clayton during this Phase I ESA. The reports that were reviewed and evaluated by Clayton included the following: (1) three Phase I Environmental Assessment reports, (2) eight Phase II Subsurface Investigation reports, (3) two Preliminary Recommendations for Remedial Alternatives reports, and (4) 17 UST Closure and/or Release Response reports. In addition, numerous letters from the DOH HEER and SHWB offices were reviewed as part of this Phase I ESA. A complete list of the reports reviewed for this project is included in Appendix B, *List of Sources/References*.

The following sections present the review and evaluation of the environmental reports. In order to present the information clearly and concisely, the reports are presented in separate sections. The previous Phase I ESA reports are presented in Section 3.7. The previous Phase II Investigation reports, the Remedial Alternatives reports, and the UST Closure and/or Release Response reports are presented in Section 3.8. Furthermore, Section 3.8 is segregated according to Site Identification (ID) and Unit ID numbers. All of the reports in the following sections are presented chronologically.

### 3.7 PREVIOUS PHASE I ENVIRONMENTAL ASSESSMENT REPORTS

<b>Title:</b>	<b>Preliminary Environmental Site Assessment for Kewalo Project – TMK 2-1-58: 1, 20, 52, 65, and 95 (Phase I) 2 and 35 (Phase IIA), Honolulu, Hawaii</b>
<b>Author:</b>	<b>Masa Fujioka &amp; Associates</b>
<b>Report Date:</b>	<b>August 27, 1992</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit IDs:</b>	<b>6 &amp; 7</b>

This Environmental Site Assessment (ESA) report by Masa Fujioka & Associates (MFA) designated Unit 6 as "Phase I" area and Unit 7 as "Phase II" area. According to the report, Unit 6 was formerly used by WRAF Corporation (dba Hawaiian Tuna Packers), Suisan Seafood International, Whippy's Shipwright, Hawaii Yacht Tender, and California-Hawaii Medfly Project. Unit 7 was occupied by Honolulu Marine, Inc., a large boat and ship repair dry dock.

The ESA included a limited subsurface investigation that included the installation of eight shallow soil borings and conversion of the borings into groundwater monitoring wells to evaluate the extent of potential contamination. Six borings/wells were installed in Unit 6 to assess releases from two former USTs, and two borings/wells were installed in Unit 7 to assess areas with aboveground storage tanks (ASTs) and surface staining. The results of the investigation identified elevated levels of Total Petroleum Hydrocarbons (TPH) as diesel and motor oil for one of the UST sites, and elevated levels of TPH as gasoline and benzene for the other UST site. Based on these results, additional subsurface investigation was recommended.





The report also identified the presence of sandblast tailings at Unit 7, and recommended sampling of the tailings and surface soils with analyses of paint-related contaminants such as metals and mineral spirits. Another significant finding was identified in a previous environmental assessment report by Unitek Environmental Consultants, Inc., dated May 25, 1990 (copy included in MFA report). According to Unitek's report, four drums of soil contaminated with benzene and toluene were removed by Unitek Environmental Services, Inc. in 1984 from a pit at the site where various materials were reportedly dumped. However, the location of the pit could not be determined during Unitek's site inspection. MFA's report recommended further investigation of the pit, and contacting Unitek and previous employees of the site to identify the location of the pit.

<b>Title:</b>	<b>Phase I Environmental Site Assessment Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>October 21, 1997</b>
<b>Site IDs:</b>	<b>1, 2, 3, and portion of 4</b>
<b>Unit IDs:</b>	<b>1 through 10</b>

This Phase I Environmental Site Assessment (ESA) report was conducted for the U.S. Army Corps of Engineers, Honolulu Engineer District. Recognized environmental conditions identified at the subject property included the identification of one or more solid waste incinerators within, or adjacent to, the project area, with approximately 1/3 of the area on reclaimed land containing refuse and ash from the incinerators. Sampling of shallow soils with analyses for metals was recommended throughout the project area to assess potential contamination from the incinerator wastes. Other findings, listed by unit number, are included in the following page.

Unit 1: UST release, and electrical transformer storage and refuse storage. Phase II subsurface investigation was recommended.

Unit 2: UST release, with no pertinent information available. Phase II subsurface investigation was recommended.

Unit 3: Three USTs and heavy maintenance of vehicles/equipment identified. Phase II subsurface investigation was recommended.

Unit 4: Out-of-use UST and leaking transformer identified, which was cleaned up by HECO. UST compliance was recommended.

Unit 6: Four former USTs removed prior to 1991, with a release from one UST. Also, waste oil drums with heavy staining identified by Subsurface Inc. shed. Phase II subsurface investigation was recommended.

Unit 7: Heavy staining around portable fuel tank and in railway and sandblast pit. Phase II subsurface investigation was recommended.

Unit 8: Three USTs and hydraulic lift identified. No specific recommendations given, except for UST compliance.

Unit 9: Marine fueling operations with two 1,000-gallon USTs (not in use since 1994) identified. No specific recommendations given, except for UST compliance.





In addition to these findings, sampling of sediments in drain inlets throughout the project site was recommended, primarily in Unit 3. Also, suspect asbestos-containing materials (ACM) and lead-based paint (LBP) were identified.

<b>Title:</b>	<b>Phase I Environmental Site Assessment, Phase I, Parking Garage, Kaka'ako Makai District, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b><i>Environet, Inc.</i></b>
<b>Report Date:</b>	<b><i>September 2005</i></b>
<b>Site ID:</b>	<b>3</b>
<b>Unit IDs:</b>	<b>1 &amp; 3</b>

This Phase I Environmental Site Assessment (ESA) report was conducted for the U.S. Army Corps of Engineers, Honolulu Engineer District. Recognized environmental conditions identified at the subject property included the following:

Unit 1: This area was built on man-made fill material and was formerly used as an incinerator support facility. Phase II subsurface investigation was recommended, with sampling and analyses for PAHs, phthalate, ethylbenzene, iron, lead, TPH, and other potential contaminants.

Unit 3: This area formerly included a welding shop, which may have contributed heavy metals into the environment. This area was also used as an automotive equipment service center. In addition, numerous drums were stored in this area and staining was observed on the pavement. Phase II subsurface investigation was recommended, including sampling and analysis for PCBs.

### **3.8 PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REPORTS**

All of the reports in the following sections are segregated according to Site ID and Unit ID numbers, and are presented chronologically. It should be noted that several of the reports contain relevant information to more than one Site, as well as more than one Unit. When this is the case, the information relevant only to the specific Site or Unit is presented in the section. Therefore, some of the reports are listed more than once.

#### **3.8.1 SITE 1**

##### **SITE 1, UNIT 2**

<b>Title:</b>	<b>Various City Locations, UST Closure Report; For Harry Nakai, Inc.; CFC Job # 93069</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>September 7, 1993</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>Unit 2 (Tank B)</b>

This report documents the removal and closure of four 500-gallon USTs from three different Units an the Kaka'ako Waterfront project area. One of the USTs, identified as Tank B in the report, was located within Unit 2 boundaries, specifically from the site of the Division of Waste Water Management, Collection, and Maintenance, 98 Koula Street.



Tank B, removed in August 1993, measured 8 feet long by 3.5 feet diameter and contained diesel fuel for boilers. The tank was constructed of steel with a tar coating over a fiberglass mesh.

During removal activities, the UST was observed to contain holes up to 3 and 4 inches in size. Elevated PID readings confirm visual observation of gross soil contamination with free product. In addition, an approximately one foot thick layer of black, burnt, incinerated material composed of ash, cans, metal, glass, and other debris was observed during tank removal activities.

Soil analytical results contained TPH diesel above the DOH Tier 1 SAL of 5,000 mg/kg. The report recommended additional excavation to remove grossly contaminated soil; define the lateral extent of TPH diesel; define the chemicals of concern (i.e., PAH, BTEX).

The above recommendations were implemented and are documented in the Release Response report presented immediately below.

<b>Title:</b>	<b>Various City Locations, Release Response Report; For Harry Nakai, Inc.; CFC Job # 93095</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>December 20, 1993</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>Unit 2 (Tank B)</b>

This report documents an investigation conducted by excavating a series of exploratory trenches around the former UST location B. This area was documented as impacted by petroleum hydrocarbons in the previous report. Additionally, this report documents the soil removal from the interior of the UST excavation.

Around Tank B, a total of three exploratory trenches were excavated to the south, west and east to delineate the impacts. The trenches excavated to the west and south showed obvious signs of petroleum contamination including visible free product in the soil, elevated PID readings, and strong petroleum hydrocarbon odors. The trench excavated to the east did not show signs of petroleum impacts.

Additional contaminated UST related fill material was removed from the former UST excavation. Approximately 37 cubic yards of impacted soil was removed and disposed.

The analytical results for soil and water indicated elevated TPH diesel in the areas identified visually as impacted. The contamination extended from the UST excavation to the west and to the south, but not to the east (a building to the north prevented excavation to the north). The source of the obvious contamination, the UST and related fill materials, was removed; however, grossly contaminated soils, free product on the water table, and elevated levels of TPH as diesel remain within the UST excavation and to the west and south.

The report recommended additional investigation may be needed to the west and south of the excavation to delineate the contamination observed in the field and confirmed in laboratory data.



<b>Title:</b>	<b>Soil &amp; Water Sampling, Preliminary Studies, Kakaako Makai Area</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>May 2001</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>2</b>

The purpose of the sampling was to provide the HCDA with preliminary study information on existing soil and water conditions. The samples were collected from an area formerly used as an incinerator site and industrial area. Three soil borings were installed as part of this limited investigation. The first boring B1 was located outside of Unit 2 boundary near the intersection of Ilalo Street and Keawe Street. Borings B3 and B4 were located within Unit 2's boundary (note that the boring number is not sequential and a sample at B2 was not collected).

Two soil samples were collected from each of the three borings installed. In addition, temporary monitoring wells were used to collect groundwater samples at each location. The soil and groundwater samples were analyzed for TPH gasoline and diesel, TRPH, BTEX, MTBE, four Hawaii PAHs, Halogenated VOCs, PCBs, and metals as lead and cadmium.

Boring B3, located in northwest corner of Unit 2, had high detections of lead in both soil samples collected. The sample collected at 2 feet bgs and 4 feet bgs had detected concentrations of lead 1,300 and 5,000 mg/kg, respectively.

Boring B4, located along south central boundary of Unit 2, also had high detections of lead in both soil samples collected. The sample collected at 2 feet bgs and 7 feet bgs had detected concentrations of lead at 8,400 and 1,800 mg/kg, respectively. Methylene chloride also detected at 0.012 mg/kg in the sample collected from the 2 foot depth.

Petroleum constituents were detected in these samples at levels well below DOH Tier 1 SALs.

Lead and cadmium were also detected in water samples collected from two locations. However, the report does not specify if the groundwater samples were filtered during collection, therefore, it is unknown if the elevated lead and cadmium represent total or dissolved levels.

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>2</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the area of Unit 2 is built over ash deposits from the Kewalo Incinerator. The report also notes a former LUST that was removed from the site in approximately 1994. The documentation for the closure and investigation for this LUST has been presented above. An additional observation recorded during the investigation included an area of heavy oil staining in the center of the site.



Environmental sampling conducted within Unit 2 included the following:

- Collection of two groundwater samples from existing wells located near former LUST site identified above as Tank B. The groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs).
- Collection of three soil samples from one borehole location near the area of heavy oil staining. The soil samples were collected at 0, 2, and 4 feet bgs and were analyzed for VOCs, metals, pesticides, PCBs. A temporary well was also installed at this location and a groundwater sample was collected.
- Collection of four soil samples from four shallow probe locations distributed across the site. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for TPH gas and oil, metals, pesticides, PCBs.
- Collection of three sediment samples from three storm drain inlets associated with Unit 2. The soil samples were analyzed for TPH gas and oil, metals, pesticides, PCBs.

### **Results**

One shallow probe location contained high concentrations of lead (2,260 mg/kg), arsenic (31 mg/kg), and TRPH (5,700 mg/kg) which were above their respective DOH Tier 1 SALs.

Another shallow probe location had had high concentrations of lead (874 mg/kg) and arsenic (575 mg/kg) which were also above their respective DOH Tier 1 SALs.

Several soil samples from the borehole had elevated lead and arsenic. The soil samples collected from 0 and 2 feet bgs had detected concentrations of lead at 3,530 and 3,540 mg/kg, respectively. The soil samples collected from 0, 2, and 4 feet bgs had detected concentrations of arsenic at 62.6, 49.9, and 40.4 mg/kg, respectively.

The report did not offer any recommendations from the field observations and laboratory analysis.

### **SITE 1, UNIT 4**

<b>Title:</b>	<b>Underground Storage Tank Closure Report, Look Laboratory Facility, 811 Olomehani Street, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>June 8, 1998</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>4</b>
<b>Facility ID:</b>	<b>9-102414</b>

Between May 15 and 20, 1998, one 8,000-gallon UST was closed. The UST, previously located approximately 100 feet to the southwest of the Look Lab building on Unit 4, previously contained a mixture of 85% methanol and 15% unleaded regular gasoline referred to as M85. The tank and associated dispenser were used to dispense the methanol-gasoline mixture to gasohol-fueled experimental vehicles.



The UST was constructed of a double steel-walled tank coated with a layer of fiberglass. The associated piping consisted of double-walled fiberglass reinforced plastic. The tank system contained a release detection system and overfill and spill prevention devices.

Field observations of the tank following removal of the tank from the subsurface indicated that the fiberglass coating appeared completely intact. No holes or scaling was observed on the ends or sides of the UST. Field observations noted some rust and scale present on the exterior of the vent pipe fitting located at the top of the tank. However, there were no visual or olfactory indications around the fitting or in the soil which surrounded the fitting which indicated a petroleum hydrocarbon release.

In addition, petroleum constituents (product or sheen) was not observed on the surface of the groundwater within the UST excavation.

The UST excavation measured 13 feet wide, 28 feet long, and 11 feet deep. One soil sample was collected from the soil beneath the dispenser and two soil samples were collected from beneath the tank, one at each end (fill and vent). One groundwater sample was collected from the groundwater within the UST excavation. The soil and groundwater samples were analyzed for TPH Gasoline, BTEX, and Methanol.

The laboratory analytical results for the soil samples collected from beneath the dispenser and from beneath each end of the UST, as well as the groundwater sample collected from the UST excavation, indicated that a release of petroleum hydrocarbon product had not occurred. All chemical constituents were not detected at concentrations above the laboratory detection limits. All laboratory detection limits for the soil and samples were equal to or less than their respective DOH Action Levels.

It should be noted that field measurement with a PID indicated elevated volatile constituents in soil headspace. However, due to several factors, the PID readings appear to be an artifact of the nature of the landfill materials which characterize the Look Laboratory facility and surrounding areas than a release associated with the UST. Such landfill material can generate organic gasses including the odorless gas methane, which is detectable by a PID. The presence of decayed organic matter was observed and a decayed organic matter odor was detected at the bottom of the pit where groundwater was encountered.

The report concluded that field evidence and laboratory analysis of the soil and pit water samples indicated that a release had not occurred from the 8,000-gallon UST and associated dispenser and piping. The report was forwarded to the DOH SHWB with a request for no further action at the site. A DOH letter dated November 12, 1998 concluded that no evidence to indicate that a release had occurred for the UST.

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>1</b>
<b>Unit ID:</b>	<b>4</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.



The report notes that Unit 4 overlies a portion of the ash deposits from the old Kewalo Incinerator Landfill. The report also noted the UST system located at the Look Laboratory which was discussed in the previous report. In addition, the report noted a release from a PCB-containing transformer located at the Pacific Biomedical Research Center that was apparently cleaned up to acceptable levels by the Hawaiian Electric Company.

Environmental sampling conducted within Unit 4 included the following:

- Collection of three soil samples from each of two borehole locations; one near the former Look Laboratory UST and one in the south central portion of Unit 4. The soil samples were collected at 0, 2, and 4 feet bgs and were analyzed for TPH motor oil, VOCs, SVOCs, metals, pesticides, PCBs. A temporary well was also installed at each of the boreholes location and a groundwater sample was collected.
- Collection of six soil samples from six shallow probe locations distributed across Unit 4. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals, pesticides, and PCBs.

### **Results**

One soil sample collected from 5 feet bgs at borehole B1 had a detected concentration of lead (2,620 mg/kg) which was above the DOH Tier 1 SAL.

Three soil samples from the shallow probe locations SP1 (4,140 mg/kg), SP2 (1,330 mg/kg), and SP3 (987 mg/kg) had concentrations of lead which were above the DOH Tier 1 SAL. .

The report did not offer any recommendations from the field observations and laboratory analysis.

### **3.8.2 SITE 2**

#### **SITE 2, UNIT 5**

<b>Title:</b>	<b>Soil and Groundwater Report, Kaka'ako Makai Ward Avenue Extension, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>March 11, 1998</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>5</b>

On February 5 and 6, 1998, eight boreholes were drilled that were located along the proposed Ward Avenue extension and along a proposed driveway and drain line. The site where the boreholes were drilled was made up of a strip of land which began at the entrance to the Kewalo Basin harbor next to Fisherman's Wharf and extended in an arc to the intersection of Ilalo Street and Ahui Street to the southwest. Ward Avenue, which previously terminated at the intersection of Ala Moana Boulevard and Ward Avenue, was extended across the area where the samples were collected.

The purpose of the sample collection and analysis was to determine the concentration of petroleum hydrocarbon contamination, if any, in the soil and groundwater at the site. The soil and groundwater samples were analyzed for chemicals associated with gasoline, diesel, and waste oil tanks.



A total of eight subsurface soil and eight groundwater samples collected from the boreholes (one each location). Due to the configuration of the road extension, it appears that one sample was collected from the southeast portion of Unit 5 and a second was collected near the western boundary along Unit 6. Three samples were collected adjacent to the intersection of Ilalo Street and Ahui Street. One sample location was to the north of units 5 and Unit 6. The last two sample locations were along the boundary between Unit 6 and Unit 7.

All of the soil and groundwater samples were analyzed for TPH diesel and gasoline, TRPH, BTEX, 4 Hawaii PAHs, PCBs, Halogenated VOCs (1,1,1-trichloroethane and tetrachloroethylene [PCE]), and the metals lead, cadmium, chromium, arsenic, barium, and mercury.

The laboratory results from the soil samples indicated very low to non-detect levels of petroleum constituents. Various concentrations of metals, all below their respective DOH Tier 1 SALs, were also detected in the soil samples.

The laboratory results from the groundwater samples indicated concentrations of lead in all of the groundwater samples at levels above the DOH Tier 1 GAL of 0.0056 mg/L. The concentrations in the water ranged from 0.0093 mg/L to 0.26 mg/L.

The report recommended that a demolition-construction work plan for the Kaka'ako Makai Ward Avenue Extension site include provisions for the possibility of encountering petroleum hydrocarbon contaminated soil and groundwater in the areas not sampled.

During Clayton review of the report, it was noted that the report did not state that the groundwater samples collected for metals analysis were filtered prior to analysis. Therefore, the high concentrations of lead detected in the groundwater samples may represent total lead and not dissolved lead concentrations.

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>5</b>

The field Investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment did not identify any definitive areas of concern. But indicated that Unit 5 is generally upwind and at the outer limit of the area that may have been impacted by aerial ash fall from the Kewalo Incinerator.





Environmental sampling conducted within Unit 5 included the following:

- Collection of four soil samples from four shallow probe locations distributed across Unit 5. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals only.

### **Results**

The analytical results from the soil samples indicated low levels of arsenic, below the DOH Tier 1 SAL. The report made no further recommendations with respect to Unit 5.

### **SITE 2, UNIT 6**

<b>Title:</b>	<b>Short/Long Term Release Response Report, Kewalo Project – Phase I, 1011 Ala Moana Boulevard, TMK: 2-1-58: 1, 20, 52, 65, and 95, Honolulu, Oahu, Hawaii; DOH Facility id No. 9-102690 (Leak #920179)</b>
<b>Author(s):</b>	<b>Masa Fujioka &amp; Associates</b>
<b>Report Date:</b>	<b>January 5, 1993</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID:</b>	<b>9-102690</b>
<b>DOH Release ID:</b>	<b>920179</b>

This report documents the investigation of two former tank locations in the southern portion of Unit 6. The tanks were reportedly removed in 1985 although the records on the UST removal, procedures, dates, and soil or groundwater sampling were not available. It was reported that each tank location contained two tanks, for a total of four tanks.

The report designated the following tank locations which will be referred to throughout the remainder of this Phase I ESA.

Location A, east of an old boiler room in the southeast corner of Unit 6 near the border of Unit 7, reportedly contained two diesel fuel tanks of unknown age, size, and construction.

Location B, along Ahui Street in the southwest corner of Unit 6, reportedly contained one diesel and one gasoline UST, also of unknown age, size, and construction. It is reported that the tanks were used to fuel Hawaiian Tuna Packers (HTP) delivery vehicles.

The subsurface investigation was conducted in two stages. In July 1992, four boreholes were installed, and in December 1992, an additional five boreholes were installed. In total, three boreholes were positioned around Location A and six boreholes were positioned around Location B.



The report states that the investigation activities indicate that the hydrocarbon contamination appears to be limited to the soil and groundwater in the immediate vicinity of the former tanks; within a few feet of the excavations. The report recommended the following:

*“over-excavation of the former tank locations to removed the contaminated soil remaining in the subsurface and proper disposal or treatment of the soil. The over-excavation should continue until either laboratory testing confirms that the contaminated soil has been removed, or the maximum area of soil has been feasibly removed without damage to adjacent structures. The excavations should be left open and the groundwater should be allowed to aerate for 1-2 months to hasten the volatilization of the hydrocarbon compounds. In addition, a Final Cleanup Progress Report should be prepared. Because the benzene, toluene, and ethylbenzene concentrations in soil and/or water from the initial investigation are above the DOH cleanup criteria, we recommend resampling and testing the groundwater in the excavation and wells after aeration. If the concentrations of hydrocarbons in groundwater persist above the DOH cleanup criteria or if soil is left in place at concentrations above the DOH cleanup criteria, we recommend preparation of a Risk Assessment to address the residual amounts of contamination left in the subsurface at the site.”*

Additional environmental investigation was performed in Location B, as documented in the following report. Additional environmental investigation was performed in Location A as well, as documented in the June 1999 report by Muranaka Environmental Consultants presented further below.

<b>Title:</b>	<b>Letter Report; Additional Environmental Services; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>
<b>Report Date:</b>	<b>February 4, 1998</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID</b>	<b>9-102690</b>
<b>DOH Release ID:</b>	<b>920179</b>

The purpose of the investigation documented in this report was to update the subsurface chemical data at Location B due to previously documented petroleum hydrocarbon impacts.

To complete the field investigation, four soil samples were collected from boring locations around the perimeter of the former Location B tank excavation. Two of the borings were completed as groundwater monitoring wells. Six groundwater samples were collected, four samples from existing wells at the site and two samples from the newly installed wells.

An additional soil sample was collected from a visible grease spot (approximately 1/8-inch thick and 40 square feet of stained concrete, gravel, and asphalt) on the surface pavement between the dispenser and the building.

The soil and groundwater samples were analyzed for TPH diesel and gasoline, BTEX, and the 4 Hawaii PAHs.



The analytical results indicated that the soil samples did not have petroleum related constituents at concentrations greater than their respective Tier 1 SALs.

The groundwater analytical results detected ethylbenzene at concentrations above the DOH Tier 1 GAL of 0.14 mg/L at three of the six monitoring well locations. Also, benzene was detected in one well at a concentration above the DOH Tier 1 GAL of 1.7 mg/L.

The report concluded that the source of the petroleum contamination, the two USTs at Location B had been removed in 1985. When comparing the 1992 and 1998 data, it appeared that the groundwater plume had not migrated during that period and that the levels of fuel hydrocarbon constituents in groundwater had decreased significantly since 1992. In addition, no fuel hydrocarbon constituents were detected in the soil in excess of DOH Tier 1 Action Levels suggesting degradation of the hydrocarbons since last sampled and tested in 1992.

The sample collected from the grease spot was comprised of diesel and heavier hydrocarbons with no detected individual constituents present at levels of concern.

The report concluded that the analytical results indicate subsurface hydrocarbon contamination in the area of the former USTs at location B was degrading with time and that the dissolved plume was shrinking. Further, the report concluded that the results indicate that active remediation was not warranted given the conditions, and remaining hydrocarbon constituents were expected to continue to degrade.

During Clayton's review of files during this Phase I ESA, it is apparent that this report was submitted to the DOH for review and comment. However, a gap in reports was noted. The next report available for review relates to the January 1999 Groundwater Sampling Event as part of semi-annual monitoring. This report documents the second sampling event in the series. Therefore, Clayton determined that two documents were missing including (1) DOH letter requesting regular sampling events collected at Location B, and (2) the first sampling event in the series in which groundwater samples were collected in July 1998.

The second groundwater sampling event at Location B was documented in the February 1999 Groundwater Monitoring and Sampling Report by Masa Fujioka and Associates, discussed below.

<b>Title:</b>	<b>Soil and Groundwater Report, Kaka'ako Makai Ward Avenue Extension, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>March 11, 1998</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>

On February 5 and 6, 1998, eight boreholes were drilled that were located along the proposed Ward Avenue extension and along a proposed driveway and drain line. The site where the boreholes were drilled was made up of a strip of land which began at the entrance to the Kewalo Basin harbor next to Fisherman's Wharf and extended in an arc to the intersection of Ilalo Street and Ahui Street to the southwest. Ward Avenue, which previously terminated at the intersection of Ala Moana Boulevard and Ward Avenue, was extended across the area where the samples were collected.



The results of these soil and groundwater samples has already been presented and discussed above in the Site 2, Unit 5.

<b>Title:</b>	<b>January Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>
<b>Report Date:</b>	<b>February 4, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID:</b>	<b>9-102690;</b>
<b>DOH Release ID:</b>	<b>920179</b>

This report summarizes the laboratory analytical results for the second groundwater sampling event conducted at Location B. This area was previously investigated in 1992 and 1998 as discussed above.

In January 1999, five monitoring wells were sampled and analyzed for BTEX and one sample was selectively analyzed for PAHs and MTBE. Field observations documented during groundwater sampling activities noted during purging activities, the water from four wells was observed to have a slight petroleum odor and three of these wells had observations of a patchy sheen as well.

The laboratory analytical results indicated that ethylbenzene was detected in three groundwater samples at concentrations above the DOH Tier 1 GAL of 0.14 mg/L. Benzene, toluene, xylenes, PAHs and MTBE were not detected above their respective DOH Tier 1 GALs.

The report concluded that the constituent concentrations were exhibiting a generally decreasing trend. The results from an additional groundwater sampling event, the third, conducted in July 1999, are summarized below.

However, two environmental investigations were performed in the period between January and July 1999. The first report, immediately below, documents soil removal and environmental investigation activities in the former UST excavations at Location A and Location B. The second report documents a limited environmental assessment performed by Edward K. Noda.

<b>Title:</b>	<b>Underground Storage Tank, Contaminated Soil, and Water Removal and Disposal Associated with UST Locations A &amp; B; Kaka'ako Community Development Demolition Plan – WRAF Corporation, 1011 Ala Moana Boulevard, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>June 29, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>Facility ID:</b>	<b>9-102690</b>
<b>Leak IDs:</b>	<b>920179 &amp; 990187</b>

This report documents the site activities related to the two UST areas Location A and Location B that took place between April and May 1999. The previous environmental investigations discussed above,



specifically the Masa Fujioka and Associates Short/Long Term Release Response Report, recommended additional excavation of impacted soil and laboratory sampling to confirm removal of impacted soil.

The purpose of the site activities included the removal and disposal of piping and dispensers associated with the former USTs on Unit 6 as well as the removal, testing, and disposal of petroleum hydrocarbon impacted soil associated with the former USTs.

#### **Unit 6, UST Location A**

At Location A, during excavation activities to locate piping associated with the former USTs, a 1,520-gallon diesel UST was identified. The UST consisted of steel coated with a thick layer of asphalt tar. When the top of the UST was exposed, a 4 foot by 4 foot hole was found to have been cut in the top of the tank and the interior of the tank had been filled with gravel. The UST was removed since it was located where excavation and construction activities were to take place in the future.

During tank removal, field observations indicated that a thin film of dark brown of petroleum hydrocarbon product on the groundwater exposed in the pit. Approximately 600 cubic feet of contaminated gravel was removed from within the UST as well as from within the former UST pit. In addition, approximately 128 gallons of "oily" water was removed from the UST excavation.

Following tank removal activities, four soil samples were collected from the northeast and southwest ends of the excavation. Two of the soil samples were analyzed for TPH diesel and motor oil, BTEX, halogenated VOCs, and PAHs. The other two soil samples were analyzed for the metals lead and cadmium.

The laboratory analytical results indicated that the soil sample from the northwest side of the excavation had a detected concentration of TPH motor oil which was above the DOH Tier 1 SAL of 5,000 mg/kg. The soil sample collected from the southwest side of the excavation had a detected concentration of benzo(a)pyrene which was above the DOH Tier 1 SAL of 1.0 mg/kg.

An additional trench (for unrelated utility installation) was excavated along the south side of the site, approximately 20 feet west of the UST excavation. A dark brown petroleum hydrocarbon product was observed floating on top of the groundwater in the trench. Since the construction work included dewatering of the trench, a groundwater sample was collected from the excavation to assess for dissolved petroleum hydrocarbon constituents. The laboratory analytical results indicated that the groundwater was not impacted with petroleum constituents.

#### **Unit 6, UST Location B**

At Location B, excavation activities to locate piping associated with the former UST was performed in April 1999. The purpose of the excavation was to remove and dispose of any soil contamination associated with the former gasoline and diesel tanks and dispensers.

Within the excavation at the former UST location, petroleum hydrocarbon contaminated soil was observed to be present in the horizon from approximately 5 feet to 6 feet bgs. The impacted soil was observed to be stained a dark gray to black color. When the groundwater was encountered in the excavation, a dark brown petroleum substance was observed to ooze from the bottom of the pit which



collected on the surface of the water. A strong petroleum hydrocarbon odor was observed in association with the floating product and stained soil.

Four soil samples were collected from the UST Location B excavation. One of the soil samples was a confirmation soil sample collected in the capillary fringe material following removal of the visually impacted soil.

The laboratory analytical results for soil indicate one sample had detected concentrations of ethylbenzene, xylene, and benzo(a)pyrene above their respective DOH Tier 1 SALs. A second soil sample also had ethylbenzene above the DOH Tier 1 SAL. However, the confirmation soil sample did not contain petroleum constituents above the respective DOH Tier 1 SALs.

One groundwater sample was collected from a pre-existing monitoring well installed in 1992. The laboratory analytical results indicated that ethylbenzene was detected at a concentration above the DOH Tier 1 GAL. TPH gasoline was also detected at elevated levels.

The report recommended the installation of an array of monitoring wells around the UST Location A to determine the extent of the contaminant plume. In addition, the report recommended that any further excavation in the area of UST Location A be monitored as petroleum constituents were confirmed to be present in the subsurface soils around Location A.

For UST Location B, the report concluded that most of the contaminated soil had been removed, although the groundwater continued to retain residual petroleum impacts. The report recommended that the groundwater at Location B should be continued to be monitored until contaminant concentrations decrease to below DOH Tier 1 Action Levels.

During the Clayton review of documents associated with this Phase I ESA, additional documentation or reports were not located for UST Location A.

Additional groundwater monitoring events at UST Location B were continued semi-annually and the third sampling event was performed in July 1999 as discussed below.

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>

The field Investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated the two former UST locations, previously identified as Location A and Location B, were located within Unit 6 boundaries. These previous UST locations have been investigated as documented in other reports presented above as well as below. However, the report noted that UST Location A was not accessible for investigation as part of this limited environmental sampling.



Environmental sampling conducted within Unit 6 included the following:

- Collection of groundwater samples from two existing monitoring wells in the vicinity of UST Location B. The groundwater samples were analyzed for VOCs and SVOCs.
- Collection of eight soil samples from eight shallow probe locations distributed across Unit 6. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals only.
- Collection of three sediment samples from drain inlets or manholes located on Unit 6. The sediment samples were analyzed for TPH motor oil and metals.

### **Results**

The analytical results for the shallow soil samples indicated that one sample had a concentration of lead of 5,080 mg/kg which was well above the DOH Tier 1 SAL of 400 mg/kg.

The analytical results for groundwater indicate that ethylbenzene was detected in one well at a concentration of 1.0 mg/L which was above the DOH Tier 1 GAL of 0.14 mg/L.

This report recommended further characterization in the area of the soil sample which had high lead concentrations to further delineate the volume of lead impacted soil. Additional delineation was performed as documented in the Ecology and Environment, Inc. Targeted Brownfields Assessment report dated July, 2005 and discussed below.

<b>Title:</b>	<b>July 1999 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>	
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>	
<b>Report Date:</b>	<b>August, 1999</b>	
<b>Site ID:</b>	<b>2</b>	
<b>Unit ID:</b>	<b>6</b>	
<b>DOH Facility ID:</b>	<b>9-102690</b>	
<b>DOH Release ID:</b>	<b>920179</b>	

This report documents the third in a series of groundwater sampling events at UST Location B. The previous environmental investigations and groundwater monitoring events and results have been presented chronologically above.

The report documents that in early July 1999, a number of monitoring wells previously sampled were missing, apparently destroyed during construction activity on the site. Three replacement monitoring wells (KB15, KB16, and KB17) were installed to replace the missing wells prior to sampling.

In July 1999, five monitoring wells were sampled and analyzed for BTEX, and one sample was selectively analyzed for PAHs and MTBE. Field observations documented during groundwater sampling activities noted during purging activities, the water from one well contained a strong petroleum odor and had a continuous sheen. Another well purge water contained a slight fuel odor with no sheen, while a third well contained a patchy sheen only.





The laboratory analytical results indicated that one well had a concentration of ethylbenzene above the DOH Tier 1 GAL of 0.14 mg/L. Benzene, toluene, xylene, PAHs, and MTBE were not detected above their respective DOH Tier 1 GALs in any of the other groundwater samples.

The report did not provide conclusions or recommendations with respect to the current and previous levels of petroleum constituents documented in the groundwater at the site.

An additional monitoring well sampling event, the fourth, was performed in January 2000 and is discussed immediately below.

<b>Title:</b>	<b>January 2000 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>
<b>Report Date:</b>	<b>January 27, 2000</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID:</b>	<b>9-102690</b>
<b>DOH Release ID:</b>	<b>920179</b>

This report documents the fourth in a series of groundwater sampling events at UST Location B. The previous environmental investigations and groundwater monitoring events and results have been presented chronologically above.

In January 2000, five monitoring wells were sampled and analyzed for BTEX and one sample was selectively analyzed for PAHs and MTBE. Field observations documented during groundwater sampling activities noted that during purging activities, the water from one well had a strong petroleum odor and the water from a second well had a slight fuel odor. None of the wells exhibited hydrocarbon sheens or phase-separated petroleum products as previous observations indicated.

The water from four wells was observed to have a slight petroleum odor and three of these wells had observations of a patchy sheen as well.

The laboratory analytical results for the groundwater samples indicated that benzene, toluene, ethylbenzene, xylene, PAHs, and MTBE were not detected at concentrations above their respective DOH Tier 1 GALs.

The report did not provide conclusions or recommendations with respect to the current and previous levels of petroleum constituents documented in the groundwater at the site.

An additional monitoring well sampling event, the fifth, was performed in July 2000 and is discussed immediately below.



<b>Title:</b>	<b>July 2000 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>
<b>Report Date:</b>	<b>August 29, 2000</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID:</b>	<b>9-102690</b>
<b>DOH Release ID:</b>	<b>920179</b>

This report documents the fifth in a series of groundwater sampling events at UST Location B. The previous environmental investigations and groundwater monitoring events and results have been presented chronologically above.

In July 2000, five monitoring wells were sampled and analyzed for BTEX only. Field observations documented during groundwater sampling activities noted that during purging activities, the water extracted from the wells at three locations exhibited a patchy sheen. No observations were noted with respect to petroleum hydrocarbon odors. None of the water from the wells exhibited phase-separated petroleum products.

The laboratory analytical results for the groundwater samples indicated that benzene, toluene, ethylbenzene, and xylene were not detected at concentrations above their respective DOH Tier 1 GALs.

The report did not provide conclusions or recommendations with respect to the current and previous levels of petroleum constituents documented in the groundwater at the site.

An additional monitoring well sampling event, the sixth and last, was performed in February 2001 and is discussed immediately below.

<b>Title:</b>	<b>February 2001 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka and Associates</b>
<b>Report Date:</b>	<b>March 7, 2001</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>
<b>DOH Facility ID:</b>	<b>9-102690</b>
<b>DOH Release ID:</b>	<b>920179</b>

This report documents the sixth and last in a series of groundwater sampling events at UST Location B. The previous environmental investigations and groundwater monitoring events and results have been presented chronologically above.

In February 2001, five monitoring wells were sampled and analyzed for BTEX only. Field observations documented during groundwater sampling activities noted that during purging activities, two wells exhibited a patchy sheen. None of the water from the wells exhibited phase-separated petroleum products.



The laboratory analytical results for the groundwater samples indicated that benzene, toluene, ethylbenzene, and xylene were not detected at concentrations above their respective DOH Tier 1 GALs.

The report recommended the following:

*"We recommend a "No Further Action" determination be made by the Department of Health for the subsurface fuel release, and we recommend no further monitoring work. This recommendation is consistent with conditions for no further action outlined in the Department of Health (DOH) letter to WRAF Hawaiian Tuna Packers dated March 11, 1998, in that the February 2001 groundwater monitoring event continued to show decreased levels in petroleum constituents for three consecutive years (i.e., the plume has stabilized), and constituent levels have been below DOH Tier 1 limits for two consecutive years (with the exception of KB17, which was marginally above Tier 1 limit for ethylbenzene in January 2000 but which has subsequently decreased to below the laboratory reporting limit."*

A letter from the DOH SHWB dated April 17, 2001 concluded that "no further action is necessary in response to the subject release. Please close all monitoring wells by either removing the wells and backfilling the hole or pressure grouting the wells from the bottom up. Provide us documentation of the above-monitoring well closures."

During the Clayton review of documents associated with this Phase I ESA, additional documentation or reports with respect to the final disposition of the monitoring wells was not located. The monitoring wells should be located in the field and properly abandoned, if they still exist within Unit 6 boundaries.

A Targeted Brownfields Assessment was performed for Unit 6 and Unit 7 in 2005 as discussed immediately below.

<b>Title:</b>	<b>Kaka'ako Units 6 &amp; 7, Targeted Brownfields Assessment Report, Final, Phase II Report</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>July 2005</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>

This report documents site assessment activities across Unit 6 and Unit 7. The activities were performed to provide environmental data to supplement historic site data and consisted of collecting and analyzing soil and groundwater samples from throughout the properties. The sampling activities were performed in February 2005. As the title indicates, the sampling activities were performed on two separate parcels. The results for Unit 6 are presented below, and the results pertaining to Unit 7 are presented in the following section.

Across Unit 6, a total of 51 surface soil samples (collected from 0 to 2 feet bgs), 14 subsurface soil samples (collected from 2 to 6 feet bgs), four groundwater samples from existing wells, and four groundwater samples from boreholes were collected. The surface soils were analyzed for the metals lead, arsenic, and mercury. The subsurface soils and groundwater samples were analyzed for TPH diesel and motor oil, and the metals lead and arsenic.



The analytical results for the surface soil samples on Unit 6 indicated two locations had concentrations of lead above the DOH EAL of 400 mg/kg. One of these locations also exceeded the EPA industrial PRG of 800 mg/kg. Another sample location detected mercury at a concentration above the DOH EAL of 10 mg/kg.

The analytical results for the subsurface soil samples on Unit 6 indicated one location had a concentration of arsenic above the DOH EAL of 22 mg/kg. Four of the subsurface sampling locations had TPH diesel at concentrations above the DOH EAL of 500 mg/kg (which is the action level for leaching of TPH). The samples were all below the DOH EAL of 5,000 mg/kg which is based on direct human contact.

The analytical results for the groundwater samples on Unit 6 indicated three locations with a concentration of arsenic above the DOH EAL, one location with a concentration of TPH gasoline above the DOH EAL, and one location with a concentration of TPH motor oil above the DOH EAL.

The conclusions for Unit 6 from the Targeted Brownfields Assessment report included the following:

- **Surface Soil:** *The data from the surface soils indicate that there is potentially an area of elevated lead contamination in soil along the southern property fence line with the Unit 7 property (commercial shipyard of Honolulu Marine) that exceed the site action limit (e.g. the industrial PRG). Based upon the location of the sample and data from other samples collected along the southern property fence line, this contamination hot spot is not expected to exceed 750 square feet in area. Except for this contamination hot spot the remaining surface soil does not appear to be contaminated with metals at levels above site action levels. The data from the surface soil analysis indicate that surface soils, as a unit, do not appear to be contaminated at levels above action levels.*
- **Subsurface Soil:** *The data from the subsurface soil indicate that subsurface soils, as a unit, do not appear to be contaminated at levels above site action levels. However, data from borehole U6-BH10, which is located near the western boundary of the property, indicate arsenic concentration in the subsurface soil at concentrations significantly higher than at other locations and above the site action level (i.e. the EAL for arsenic). The petroleum hydrocarbon data from the subsurface soil analysis indicate that low concentrations of diesel-range hydrocarbon contamination is still present throughout the property.*
- **Groundwater:** *Groundwater data indicate a slightly elevated concentration of gasoline in monitoring well MW-202, slightly elevated concentration of heavy petroleum in monitoring well MW-203 and elevated arsenic in MW-204. Elevated arsenic was also reported in groundwater samples from U6-BH1 and U6-BH2.*

Following this Targeted Brownfields Assessment, a Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 6 and Unit 7 report was written. The Remedial Alternatives report is discussed immediately below.



<b>Title:</b>	<b>Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 6 &amp; 7 Properties</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>July 6, 2005</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>6</b>

This report presents and discusses four preliminary remedial alternative recommendations for Unit 6 and Unit 7. The remedial alternatives were based on the Phase II Targeted Brownfields Assessment report presented above.

The purpose of the evaluation was to provide general information regarding possible cleanup alternatives and associated costs for the property. The evaluation was not a formal feasibility study and therefore it should not be used as the sole basis for determining cleanup actions at the site. The cost estimates include conservative assumptions and actual costs may substantially differ up to an order of magnitude than documented in this evaluation.

The report assessed the following four remedial alternatives:

1. **Capping in place:** Surface soils in contaminated areas would be required to be capped with either asphalt, gravel, or concrete.
2. **Selective removal with onsite isolation and capping:** Surface soil in those areas with lead and arsenic contamination above action levels would be excavated and relocated to an onsite area where the excavated soil would be compacted and capped with either asphalt, gravel, or concrete. Excavated areas would be backfilled with clean soil.
3. **Excavation and offsite disposal:** Surface soils in contaminated areas would be excavated to a depth of 2 feet and disposed of offsite at an approved disposal facility. Excavated areas would be backfilled with clean soil.
4. **No remedial action:** No remedial actions would occur and no restriction on soils would be initiated. This action would require a site-specific risk assessment to determine if this alternative was feasible.

The remedial alternatives were evaluated on the following criteria (based on EPA guidance documents): (1) protectiveness of human health and the environment, (2) long-term effectiveness and permanence, (3) reduction of toxicity, mobility, or volume, (4) short-term exposure to public/workers during construction, (5) implementability, (6) applicability with redevelopment plans, and (7) cost.

The major assumption during the remedial alternatives analysis was that the redevelopment would be commercial and thus the industrial PRGs for lead are appropriate for use at this site. The second assumption was that the Hawaii DOH EAL for arsenic (22 mg/kg) was appropriate for use at this site, as opposed to the EPA industrial PRG, since the PRG (1.6 mg/kg) was lower than typical background soil levels for the area.



In addition, it was assumed that the Hawaii DOH would not implement development restrictions related to petroleum residues identified in Unit 6 soils. It was also assumed that the Hawaii DOH would not consider further analysis or restrictions relating to ecological impacts from development of the property.

A table comparing criteria 1 through 7 (above) was included in the report. The table listed each of the remedial alternatives and listed the criteria for direct comparison. This report did not necessarily state a single preferred remedial alternative, rather that the remedial alternative most likely would be based on the future development plans of Unit 6.

### **SITE 2, UNIT 7**

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>7</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated that Unit 7 was the most industrialized area of the study area and serves as a shipyard. The activities on Unit 7 include ship's hull repair, sandblasting, hull painting, and major mechanical work on marine vessels. Site operations also include the transfer of fuel to ships.

Environmental sampling conducted within Unit 7 included the following:

- Collection of three soil samples from each of two borehole locations. The soil samples were collected at 0 foot, 2 feet, and 5 feet bgs. One borehole was located in the main boat repair area, and the other borehole was located in an area showing heavy petroleum staining on the surface. The soil samples were analyzed for TPH diesel, gasoline, and motor oil, VOCs, SVOCs, and metals.
- Collection of eight soil samples from eight shallow probe locations distributed across Unit 7. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for TPH diesel and motor oil, SVOCs, and metals.

### **Results**

The laboratory analytical results indicated that two of the surface soil samples had detected concentrations of arsenic above the DOH EAL of 22 mg/kg. Also, one surface soil sample had a detected concentration of lead above the DOH EAL of 400 mg/kg.



The laboratory analytical results for the subsurface soil samples indicated that one borehole had detected concentrations of arsenic above the DOH EAL of 22 mg/kg. The samples collected from 0 foot and 2 feet bgs had these high concentrations of arsenic.

The report recommended that further characterization to delineate the impacts in the area of the elevated lead concentration in the surface. Additional environmental investigation of Unit 7 is included immediately below.

<b>Title:</b>	<b>Kaka'ako Units 6 &amp; 7, Targeted Brownfields Assessment Report, Final, Phase II Report</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>July 2005</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>7</b>

This report documents site assessment activities across Unit 6 and Unit 7. The activities were performed to provide environmental data to supplement historic site data and consisted of collecting and analyzing soil and groundwater samples from throughout the properties. The sampling activities were performed in February 2005. As the title indicates, the sampling activities were performed on two separate Units. The results for Unit 6 were presented previously, and the results pertaining to Unit 7 are presented below.

Across Unit 7, a total of 24 surface soil samples (collected from 0 to 2 feet bgs), 6 subsurface soil samples (collected from 2 to 6 feet bgs), three groundwater samples from boreholes, and a 1 to 2 inch depth surface soil composite was collected. The surface soils were analyzed for the metals lead, arsenic, and mercury. The subsurface soils and groundwater samples were analyzed for TPH diesel and motor oil, and the metals lead and arsenic.

The analytical results for the surface soil samples on Unit 7 indicated 16 of the 24 surface samples had concentrations of lead above the DOH EAL of 400 mg/kg. Seven of these concentrations were also above the EPA industrial PRG of 800 mg/kg. Arsenic was also detected in 20 of the 24 samples at concentrations above the DOH EAL of 22 mg/kg. TPH motor oil was detected at one sample location above the DOH EAL of 5, 000 mg/kg. None of the surface soil samples had TPH diesel above the DOH EAL of 5,000 mg/kg.

The analytical results for the subsurface soil samples on Unit 7 indicated one sample contained lead and arsenic at concentrations above their respective DOH EALs. One additional subsurface soil sample had arsenic at a concentration just above the DOH EAL for arsenic of 22 mg/kg.

The analytical results for the groundwater samples on Unit 7 indicated two locations with TPH motor oil above the DOH EAL.

The conclusions for Unit 7 from the Targeted Brownfields Assessment report included the following:

- **Surface Soil:** *The data from the surface soils indicate that there are widespread areas of elevated lead, arsenic and petroleum hydrocarbon contaminated soil throughout the Unit 7 property, at concentrations that exceed the site action levels. The total area of contaminated soil is expected to be approximately 45,000 square feet in area.*





- **Subsurface Soil:** *The lead data from the subsurface soil analysis indicate that subsurface soils do not appear to be contaminated at levels above site action levels. However, data from boreholes U7-BH1, U7-BH2, and U7-BH8 are above the EAL for lead. The arsenic data from the subsurface soil analysis indicate that subsurface soils, as a unit, is potentially contaminated at average concentration slightly above the EAL.*
- **Groundwater:** *Groundwater data indicate elevated concentrations of petroleum hydrocarbon at all sampling locations. Since all arsenic data for groundwater from Unit 7 property is unusable, the decision makers will have to determine whether additional sampling data is needed to establish arsenic concentrations in groundwater. Since the groundwater is not a drinking water or potential drinking water source the need may not exist. If the need for additional groundwater data from Unit 7 property is established based on its potential ecological impacts, then sampling should include off-property and upgradient sampling locations and sample of sea water from Kewalo Basin.*

Following this Targeted Brownfields Assessment, a Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 6 and Unit 7 report was written. The Remedial Alternatives report is discussed immediately below.

<b>Title:</b>	<b>Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 6 &amp; 7 Properties</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>July 6, 2005</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>7</b>

This report presents and discusses four preliminary remedial alternative recommendations for Unit 6 and Unit 7. The remedial alternatives were based on the Phase II Targeted Brownfields Assessment report presented above.

The purpose of the evaluation was to provide general information regarding possible cleanup alternatives and associated costs for the property. The evaluation was not a formal feasibility study and therefore it should not be used as the sole basis for determining cleanup actions at the site. The cost estimates include conservative assumptions and actual costs may substantially differ up to an order of magnitude than documented in this evaluation.

The report assessed the following four remedial alternatives:

1. **Capping in place:** Surface soils in contaminated areas would be required to be capped with either asphalt, gravel, or concrete.
2. **Selective removal with onsite isolation and capping:** Surface soil in those areas with lead and arsenic contamination above action levels would be excavated and relocated to an onsite area where the excavated soil would be compacted and capped with either asphalt, gravel, or concrete. Excavated areas would be backfilled with clean soil.



3. **Excavation and offsite disposal:** Surface soils in contaminated areas would be excavated to a depth of 2 feet and disposed of offsite at an approved disposal facility. Excavated areas would be backfilled with clean soil.
4. **No remedial action:** No remedial actions would occur and no restriction on soils would be initiated. This action would require a site-specific risk assessment to determine if this alternative was feasible.

The remedial alternatives were evaluated on the following criteria (based on EPA guidance documents): (1) protectiveness of human health and the environment, (2) long-term effectiveness and permanence, (3) reduction of toxicity, mobility, or volume, (4) short-term exposure to public/workers during construction, (5) implementability, (6) applicability with redevelopment plans, and (7) cost.

The major assumption during the remedial alternatives analysis was that the redevelopment would be commercial and thus the industrial PRGs for lead are appropriate for use at this site. The second assumption was that the Hawaii DOH EAL for arsenic (22 mg/kg) was appropriate for use at this site, as opposed to the EPA industrial PRG, since the PRG (1.6 mg/kg) was lower than typical background soil levels for the area.

In addition, it was assumed that the Hawaii DOH would not implement development restrictions related to petroleum residues identified in Unit 7 soils. It was also assumed that the Hawaii DOH would not consider further analysis or restrictions relating to ecological impacts from development of the property.

A table comparing criteria 1 through 7 (above) was included in the report. The table listed each of the remedial alternatives and listed the criteria for direct comparison. This report did not necessarily state a single preferred remedial alternative, rather that the remedial alternative most likely would be based on the future development plans of Unit 6.

#### **SITE 2, UNIT 8**

<b>Title:</b>	<b>Underground Storage Tank Closure; Former GRG Enterprises Site, 115 Ahui Street, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>WMF Hawaii</b>
<b>Report Date:</b>	<b>November 23, 1998</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>
<b>Facility ID:</b>	<b>9-100212;</b>
<b>Release ID:</b>	<b>99-0034</b>

On October 22 and 23, 1998, WMF Hawaii documented the closure (excavation, cleaning, removal, and disposal) of four USTs. Two USTs contained gasoline and two USTs contained diesel. The USTs were within the parking lot fronting a two story structure with the dispensers next to the waters edge. The tanks were reportedly used for fueling purposes, possibly for marine crafts.



The property was leased by GRG Enterprise Inc. The lease was terminated and the USTs then became the property of the State of Hawaii, Department of Transportation-Harbors Division. It is believed that the USTs have not been used since 1997. The date of the tanks installation, inventory records, tank tightness testing and history is unknown.

During tank removal activities, field observations indicated that the two gasoline USTs were generally free of corrosion and pitting. However, the two diesel USTs were observed to be corroded and pitted, with numerous holes, some up to 1-foot in diameter. The corrosion and pitting on the diesel USTs was observed to be clustered along the surface water level at 6 feet bgs.

Field observations included gross contamination as soil staining, strong petroleum odors and elevated PID levels in soil and water surrounding the USTs. Specifically, these observations were recorded for the area between 5 and 6 feet bgs. Free-phase petroleum product, less than ½ inch in thickness was observed on the water surface in the excavation.

Soil samples were attempted to be collected from each end of each of the USTs, however the soil samples from UST A and UST D (mauka sides) could not be collected due to a cement wall and the presence of the overlying neighboring building. A total of six soil samples were collected at either end of the tanks at approximately 5.5 to 6 feet bgs. All of the soil samples were analyzed for TPH diesel and TPH gasoline, and some of the soil samples were selectively analyzed for BTEX, the 4 Hawaii PAHs, and lead.

Following sample collection and skimming of the product from the water surface, the soils excavated during the UST closure were placed back into the excavation.

The laboratory analytical results for all six of soil samples detected concentrations of TPH diesel above the DOH EAL of 5,000 mg/kg. All other constituents (TPH gasoline, BTEX, PAHs, and lead) were either not detected or were detected at concentrations below their respective DOH Action Levels.

The laboratory analytical results for the groundwater sample had detected concentrations of TPH gasoline of 3.63 mg/L and TPH diesel of 281 mg/L. Previously, the DOH Tier 1 GALs did not have a standard for these constituents. However, the concentrations detected were above the current 2005 DOH EALs of 0.50 mg/L for TPH gasoline and 0.64 mg/L for TPH diesel.

The report recommended the removal of the impacted soil placed back into the UST excavation as well as conducting a Release Response Phase II Site Characterization Investigation.

Two letters were written by the DOH with respect to this UST location on Unit 8. The first letter dated November 6, 1998 was in response to the telephone report of October 23, 1998 by Mark Frazier of WMF Hawaii regarding a release of diesel fuel discovered during the removal of a UST. The letter provides a list of the type and contents of reports which should be submitted to the DOH after a confirmed release. The second letter dated May 24, 1999, stated that the DOH SHWB had reviewed the UST closure report (i.e., the report discussed above). In the letter, the DOH concurred with WMF's recommendation for removal of impacted soil at the site.

Additional environmental investigation was performed in this area was documented in the July 1999 Phase II Environmental Site Characterization at the former GRG Enterprises facility report discussed following the E.K. Noda July 1999 Phase II investigation.



<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated that Unit 8 contained USTs used for former marine fueling operations. Three fill ports were observed, however four vent pipes were noted leading to the speculation that one of the USTs was removed prior to the 1997 Phase I Edward K. Noda ESA. In addition, a hydraulic vehicle hoist was observed on the Ewa side of the Basin Marine building.

Environmental sampling conducted within Unit 7 included the following:

- Collection of three soil samples from each of two borehole locations. The soil samples were collected at 0 foot, 2 feet, and 5 feet bgs. One borehole was located adjacent to the USTs on Unit 8, and the other borehole was located adjacent to the hydraulic hoist. The soil samples were analyzed for TPH, VOCs, SVOCs, metals, pesticides, and PCBs. One groundwater sample was collected from each borehole location. The groundwater sample was analyzed for TPH, VOCs, and SVOCs.
- Collection of three soil samples from three shallow probe locations distributed across Unit 8. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals only.
- Collection of two sediment samples from sumps or other drainage structures. The sediment samples were analyzed for TPH motor oil and metals.

### **Results**

The laboratory analytical results indicated that two of the shallow probe locations had high concentrations of lead above the DOH Tier 1 SAL of 400 mg/kg.

The laboratory analytical results for the sediment sample collected nearest the UST and the hydraulic hoist contained TRPH at a concentration of 26,000 mg/kg which was above the DOH Tier 1 SAL of 5,000 mg/kg.

The report recommended that the sediment in the sump with the high TRPH concentration be removed and disposed of as petroleum impacted soil.

No additional information or reports were available that indicated the recommendation was followed.



<b>Title:</b>	<b>Phase II Environmental Site Characterization; Former GRG Enterprises Site, 115 Ahui Street, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>WMF Hawaii</b>
<b>Report Date:</b>	<b>July 26, 1999</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>
<b>Facility ID:</b>	<b>9-100212</b>
<b>Release ID:</b>	<b>99-0034</b>

This report documents an Environmental Phase II Site Characterization in response to the diesel fuel release from the USTs previously removed. The purpose of the investigation was to further assess the lateral and vertical extent of the petroleum contamination in the soils and groundwater encountered near the former UST system.

Five soil samples were collected from the capillary fringe area in five borehole locations. Four of the boreholes were converted into permanent 1-inch diameter monitoring wells for the collection of groundwater samples. All of the soil samples were analyzed for TPH diesel and BTEX and some of the soil samples were selectively analyzed for the 4 Hawaii PAHs. The groundwater samples were analyzed for TPH diesel and some groundwater samples were selectively analyzed for BTEX and PAHs.

During field sampling activities, petroleum odors were observed at three of the borehole locations. Also, a spotty sheen was observed during purging and sampling at two of the monitoring well locations.

The laboratory analytical results for soil detected concentrations of TPH diesel at levels above the DOH Tier 1 SAL of 5,000 mg/kg. The soil samples had non-detectable or concentrations of BTEX and PAHs below their respective DOH Tier 1 SALs.

The laboratory analytical results for groundwater had non-detectable or concentrations of TPH diesel, BTEX, and PAHs below their respective DOH Tier 1 GALs.

The report concluded that based on field observations and laboratory data that additional limited soil excavation would possibly remove the observed diesel impacted soil.

This report was submitted to the DOH for review. In a letter dated September 23, 1999, the DOH SHWB indicated " *Due to the presence of free product and the close proximity of contaminated soils to the Pacific Ocean, we concur with WMF Hawaii's recommendation for removal of impacted soils at the subject site. Please conduct confirmatory analysis of soil and groundwater following excavation to verify the effectiveness of your removal action.* "

During Clayton's review of the documentation for Unit 8, additional reports or information were not located to indicate the impacted soil was removed and the confirmation sampling performed.



<b>Title:</b>	<b>Kaka'ako Brownfield Unit 8 Site Characterization Study - DRAFT</b>
<b>Author(s):</b>	<b>AMEC Earth and Environmental</b>
<b>Report Date:</b>	<b>May 2002</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>

**NOTE: This section is based on the information contained in the DRAFT report. The final report was not located during records review.**

This report documents the results of a Site Characterization Study (SCS) conducted at the Kaka'ako Brownfield Unit 8 site. The SCS was performed following the previous environmental investigations discussed above. The previous investigations documented elevated lead and cadmium concentrations in ash suspected to have originated from the Kewalo incinerator and TPH diesel above Action Levels in groundwater beneath the former UST area.

The objectives of this SCS were to: (1) assess the nature and extent of impacted soil and groundwater; (2) assess the corresponding risk to human health and the environment; and (3) recommend appropriate remedial action alternatives for evaluation, if required.

*Assess the nature and extent of impacted soil and groundwater*

To accomplish the objectives, the investigation collected 40 surface soil samples from 40 locations across Unit 8 (0 to 2 feet bgs); 40 subsurface soil samples from 20 locations across Unit 8 (2 to 6 feet bgs; one sample between 2 and 4 feet bgs and a second sample between 4 and 6 feet bgs); 7 groundwater samples (4 from existing wells and 3 groundwater from boreholes).

The surface soil samples were analyzed for Contract Laboratory Program (CLP) SVOCs, CLP metals, and CLP PCBs. In addition, 20 samples collected from the UST excavation area and observed soil stained areas were selectively analyzed for TPH diesel. One surface soil sample was analyzed for dioxins and furans.

Subsurface soil samples analyzed for CLP VOCs, CLP SVOCs, CLP metals, and CLP PCBs. The samples collected from the UST excavation area and observed oil stained areas were selectively analyzed for TPH diesel. Three subsurface soil samples were collected from the anthropogenic ash layer and were selectively analyzed for dioxins and furans.

Groundwater samples analyzed for CLP VOCs, CLP SVOCs, CLP metals, CLP PCBs, and TPH diesel.

Laboratory analytical results for the surface soil samples indicated the following:

- Lead was present in 12 of the 40 samples at concentrations above the DOH Tier 1 SAL of 400 mg/kg. The results identified two significant areas of lead: (1) the northern site boundary along Ahui Street, and (2) the southern site boundary area.
- Three surface soil samples had concentrations of benzo(a)pyrene which were above the EPA residential PRG of 0.062 mg/kg.
- One surface soil sample collected along the northern boundary (adjacent to Unit 7) had a concentration of TPH diesel above the DOH Tier 1 SAL of 5,000 mg/kg.



- The soil sample collected from the anthropogenic ash layer in the unpaved area in the northern portion of Unit 8 had total dioxin toxicity equivalents (TEQs) that exceeded EPA Region IX PRGs.
- The analytical results for SVOCs identified several constituents which could not be resolved to a concentration that could be compared to their respective DOH Tier 1 SALs or EPA PRGs.

The analytical results for the subsurface soil samples indicated the following:

- Lead was present in 7 of the 40 samples at concentrations above the DOH Tier 1 SAL of 400 mg/kg. Also, antimony was detected at concentrations above the EPA residential PRG of 31 mg/kg in three locations.
- Four subsurface soil sample locations in the southeast portion of Unit 8 had concentrations of arsenic above the DOH Tier 1 SAL of 22 mg/kg.
- Three locations in the southwest portion of Unit 8 had concentrations of benzo(a)pyrene above the EPA residential PRG of 0.062 mg/kg.
- The three soil samples collected from the subsurface anthropogenic ash layer had total dioxin toxicity equivalents (TEQs) that exceeded EPA Region IX PRGs.
- Similar to the surface soil samples, the analytical results for SVOCs identified several constituents which could not be resolved to a concentration that could be compared to their respective DOH Tier 1 SALs or EPA PRGs.

The analytical results for the groundwater samples indicated the following:

- Elevated concentrations of metals were detected in one location located near the northern boundary with Unit 7.

#### Assess the Corresponding Risk to Human Health and the Environment

The Risk Assessment process was conducted in two phases: (1) the initial conservative screening Preliminary Risk Evaluation (PRE) conducted using EPA Region IX PRGs, and (2) a site-specific Baseline Risk Assessment, when the screening PRE indicated potentially significant health risks may be present.

Under current and future residential use scenarios, screening RME carcinogenic risks for soils are within EPA regulatory levels of concern  $1 \times 10^{-4}$  to  $1 \times 10^{-6}$  (one-in-ten thousand to one-in-one million), but greater than EPA's point of departure risk level of  $1 \times 10^{-6}$ . Carcinogenic risk drivers include arsenic, benzo(a)pyrene, and dioxin.





Based on the results of the PRE, the following conclusions were made:

- Estimated potential carcinogenic risks associated with current and future residential exposures to soils and groundwater are within EPA's target risk range ( $1 \times 10^{-4}$  to  $1 \times 10^{-6}$ ).
- Under current and future residential site use scenarios, hazard indices associated with receptor exposure to soils and groundwater exceed 1, indicating that there is a potential for non-carcinogenic health effects to occur given current site conditions.

The Preliminary Ecological Risk Evaluation conducted following the health assessment identified groundwater as the only pathway to the nearby Honolulu Harbor. Groundwater values were conservatively screened using AWQC values with a 10 times dilution factor entering the bay following NOAA protocols.

The following list were the only chemicals found to exceed these criteria:

- Vinyl chloride; 4,4'-DDT; dieldrin; endrin; benzo(a)pyrene; toxaphene; PCBs

These chemicals were not found in detected concentrations at the site, rather their identification as risk drivers were a result of using  $\frac{1}{2}$  the detection limit where no detections were found. Consequently, screening criteria were exceeded although no actual risk based on chemical concentrations was identified.

The report made the following recommendations for the site:

- A site-specific baseline risk assessment was recommended to assess realistic health risk from soil and groundwater.
- A risk management decision approach for Ecological Risk Assessment.

Significant findings documented in this report include concentrations of lead in surface soils and lead and arsenic in subsurface soils. In addition, dioxin was detected in the anthropogenic ash material on the surface and subsurface soil at the site. The concentrations of dioxin detected were above the DOH EAL as well as the EPA PRGs. However, the DOH does not consider dioxin to be an issue on Unit 8 since the concentrations detected were below the 1 part per billion (ppb) action level set by the EPA Office of Solid Waste and Emergency Response (OSWER). The 1 ppb action level is recommended by the EPA for residential soils, and is protective of human health and the environment.

The preliminary human health and ecological risk assessments documented in this report have limited value due to the high detection limits (the risk assessment used  $\frac{1}{2}$  the detection limit where no detections were found). However, it does appear that a site-specific risk assessment is appropriate. When the non-detected constituents are removed from the calculations, the carcinogenic risk was estimated at  $7 \times 10^{-5}$  (greater than  $1 \times 10^{-6}$  but within the target risk range of  $1 \times 10^{-4}$  to  $1 \times 10^{-6}$ ) and the hazard index is 9 (greater than the cutoff of 1). Therefore, this site does appear to present a human health risk.

Due to the high detection levels, a Supplemental Phase II investigation was performed as discussed immediately below.



<b>Title:</b>	<b>Kaka'ako Unit 8 Supplemental Phase 2 Target Brownfields Assessment Report</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>January 2004 DRAFT</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>

**NOTE: This section is based on the information contained in the DRAFT report. The final report was not located during records review.**

The supplemental sampling documented in this report was conducted because the required reporting limits for PAHs data collected during the initial site characterization, discussed immediately above, were considerably above the EPA Region IX PRGs for residential and industrial areas. The investigation activities documented in the report consisted of collecting and analyzing soil samples from the southern portion of Unit 8 at the same approximate locations previously sampled during the 2002 AMEC investigation.

In November 2003, surface soil samples (0 to 2 feet bgs) were collected from 25 locations and subsurface soil samples (2 to 4 feet bgs and 4 to 6 feet bgs) were collected from six locations. All soil samples were analyzed for PAHs only.

The surface analytical results for PAHs indicate that two locations exceeded the residential and industrial PRG for benzo(a)pyrene. Three additional surface locations exceeded the residential PRG for benzo(a)pyrene. All other surface locations had detected concentrations of benzo(a)pyrene below the residential PRG. One location exceeded the residential and industrial PRGs for dibenz(a,h)anthracene, benzo(b)fluoranthene, and ideno(1,2,3-cd)pyrene. All other PAH analytes at other surface locations were at concentrations significantly below their respective PRGs.

The subsurface analytical results for PAHs indicate that two locations exceeded the residential PRG for benzo(a)pyrene. All other subsurface locations had all PAH analytes at concentrations significantly below their respective PRGs.

The sample collected one location represented a hot spot, as confirmed by the previous investigation.

The calculated 95% UCL for benzo(a)pyrene in surface soils was 0.096 mg/kg. The surface soil data indicate that the average concentration and 95% UCL of benzo(a)pyrene in soils do not exceed the EPA industrial PRG; however, the values do exceed the residential PRG of 0.062 mg/kg.

The calculated 95% UCL for benzo(a)pyrene in subsurface soils was 0.136 mg/kg. The subsurface soil data indicate that the average concentration and 95% UCL of benzo(a)pyrene do not exceed the EPA industrial PRG; however, the values do exceed the residential PRG of 0.062 mg/kg.

The supplemental data documented in this report correlate directly with PAH data from previous investigation. Based on the analysis, a PAH contamination hot spot was located at the edge of the property at the intersection of Ahui Street and Olomehani Street. The contamination hot spot is expected to have an area of no greater than 2,000 square feet. The depth of contamination has been documented only to 2 feet bgs. However, subsurface soil samples were not collected at this location, thus the depth of the contamination is unknown. The report assumed that the subsurface soil at depths between 2 and 6 feet bgs in this hot spot also contained elevated PAH concentrations.



Based upon analytical data, the remaining surface soil does not appear to have levels of benzo(a)pyrene or any other PAH above the industrial PRGs. However, surface soil at borehole L10 may indicate that at a specific sampling location the benzo(a)pyrene concentration may be just the industrial PRG of 0.21 mg/kg. The data from the subsurface soil analysis indicates that subsurface soils do not appear to be impacted at levels above the industrial PRGs for PAHs.

Following this supplemental investigation, a Preliminary Remedial Alternative Recommendation report for Unit 8 was written. The remedial alternatives are discussed immediately below.

<b>Title:</b>	<b>Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 8 Property</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>April 13, 2004</b>
<b>Site ID:</b>	<b>2</b>
<b>Unit ID:</b>	<b>8</b>

The preliminary remedial alternative recommendations in this report were based on the 2002 Kaka'ako Brownfield Unit 8 Site Characterization Study (referred to below as 2002 AMEC) as well as a Supplemental Phase 2 Report. The purpose of the evaluation was to provide general information regarding possible cleanup alternatives and associated costs for the property.

Initially, the report documented a data evaluation for the previous investigations. The data evaluation noted the following:

- **PAHs (Soil):** Localized hot spot at location L05 on edge of Unit 8 at intersection of Ahui and Olomehani Streets – surface soil with elevated concentration of benzo(a)pyrene. Conservatively assumed to continue to 6 feet bgs. Hot spot expected up to 2,000 ft<sup>2</sup>.
- **Lead (Surface Soil):** Localized surface lead hot spot on edge of Unit 8 along Ahui Street north of the Olomehani Street intersection. Surface soil samples (L5, L6, L7, L8, and L9) were several orders of magnitude greater than other locations and this area is not considered to be representative of conditions of the site overall. This area is inclusive of the PAH hot spot above. Estimated to be between 4,500 and 11,000 ft<sup>2</sup>.

Upper Confidence Level calculations (excluding above locations) estimate average concentration of lead in surface soil of 496 mg/kg which indicates the majority of the surface soil on the property does not exceed the industrial PRG for lead of 750 mg/kg. However, some of the individual concentrations were up to 1,100 mg/kg.

- **Lead (Subsurface Soil):** Seven borehole locations (L6, L14, L18, L27, L33, L41, and L42) had concentrations of lead which were an order of magnitude greater than the other 15 borehole locations. This area of the property is considered to have a large subsurface contamination hot spot. Depth of contamination assumed to be between 2 and 6 feet, and covers an area of about 70,000 ft<sup>2</sup>.



- **Other Soil Contaminants (Section 3.3 of the report):** Based on the results of the 2002 AMEC site characterization, the State of Hawaii DOH concluded that there would be no need for development restrictions related to petroleum residues, arsenic, or dioxins detected in surface and subsurface soils; therefore remedial alternatives based on these constituents were not evaluated.

DOH also concluded that the ecological risks at the site are not significant. For this reason, DOH has indicated that further analysis or restrictions relating to ecological impacts from development of the property would not be considered.

### **Remedial Action Alternatives:**

The evaluation of cleanup alternatives for the site were based on the data from the previous sampling in 2002 and 2003. The purpose of the evaluation was to provide general information regarding possible cleanup alternatives and associated costs for the property. The cost estimates included some conservative assumptions and the actual costs may substantially differ up to an order of magnitude higher or lower than the estimates provided in the evaluation. The report notes that the evaluation was not a formal feasibility study and should not be used as the sole basis for determining cleanup actions at the site.

The objective of site remediation was to permit redevelopment of the property. Redevelopment plans include a *commercial waterfront complex*. Based on the evaluation of analytical data, the soil contamination at the property is widespread but surface soil areas with contaminant concentrations above industrial PRGs are relatively isolated. The contaminants of concern area lead and the following five PAH compounds: benzo(a)pyrene, dibenz(a,h)anthracene, benzo(b)fluoranthene, ideno(1,2,3-cd)pyrene, and benzo(a)anthracene. It was unknown at the time the report was written if the contamination identified at Unit 8 would be considered a listed or characteristic waste and whether the excavated soil would require handling consistent with hazardous waste.

For remedial alternatives were assessed including:

1. **Capping in place:** Surface soils in contaminated areas would be required to be capped with either asphalt, gravel, or concrete. This action would prevent exposure to the contaminants in surface and subsurface soils except during redevelopment activities.
2. **Selective removal with onsite isolation and capping:** Surface soil in those areas with lead and PAH contamination above action levels would be excavated and relocated to an onsite area where the excavated soil would be compacted and capped with either asphalt, gravel, or concrete. Excavated areas would be backfilled with clean soil.
3. **Excavation and offsite disposal:** Surface soils in contaminated areas would be excavated to a depth of 2 feet and disposed of offsite at an approved disposal facility. Excavated areas would be backfilled with clean soil.
4. **No remedial action:** No remedial actions would occur and no restriction on soils would be initiated. The existing covering would be inspected and repaired as needed.



The remedial alternatives were evaluated on the following criteria (based on EPA guidance documents): (1) protectiveness of human health and the environment, (2) long-term effectiveness and permanence, (3) reduction of toxicity, mobility, or volume, (4) short-term exposure to public/workers during construction, (5) implementability, (6) applicability with redevelopment plans, and (7) cost.

The major assumption during the remedial alternatives analysis was that the redevelopment would be commercial and thus the industrial PRGs for lead are appropriate for use at this site. The second assumption was that the Hawaii DOH EAL for arsenic (22 mg/kg) was appropriate for use at this site, as opposed to the EPA industrial PRG, since the PRG (1.6 mg/kg) was lower than typical background soil levels for the area.

Another assumption was that the PAH concentration data reported in the 2002 AMEC report for the soil in the northern portion of Unit 8 are consistent with the PAH concentration data generated during the Supplemental Phase II sampling and analysis of the southern portion of the property.

In addition, it is assumed that DOH will not implement development restrictions related to petroleum residues, arsenic, or dioxins identified in soil. It is also assumed that DOH will not consider further analysis or restrictions relating to ecological impacts from development of the property.

Another major assumption was that the cost estimates were based on interpolations of generated analytical data and capping areas and volumes of soil may vary during remedial action implementation.

The report further stated that during redevelopment, if building foundation construction in the areas of subsurface lead contamination exceeds 2 feet bgs, the excavated soil should be handled in a manner indicated in either Alternative 2 or 3. The contaminated subsurface soil would not need to be addressed provided it remains 2 feet bgs. In addition, all construction activities that would result to exposures to arsenic contaminated surface or subsurface soil would need to be moderated through the use of engineered controls. Minimal contact with exposed soil during construction was recommended.

The report also indicated that other cleanup alternatives exist that were not evaluated. Those alternatives primarily include the on-site treatment of contaminated soil to render the soil less toxic and/or mobile. Treatments may also exist for removal of contaminants from the soil, thus reducing contaminant volume. The effectiveness of soil treatments vary, as do their costs. On-site treatment of contaminated soil is generally more costly than Alternatives 1, 2, and 4, but may have superior long-term effectiveness.

A table comparing criteria 1 through 7 (above) was included in the report. The table listed each of the remedial alternatives and listed the criteria for direct comparison. This report did not necessarily state a single preferred remedial alternative, rather that the remedial alternative most likely would be based on the future development plans of Unit 8.



### 3.8.3 SITE 3

#### SITE 3, UNIT 1

<b>Title:</b>	<b>Various City Locations, UST Closure Report; For Harry Nakai, Inc.; CFC Job # 93069</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>September 7, 1993</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 1 (Tanks A &amp; D)</b>

This report documents the removal and closure of four 500-gallon USTs from three different Units an the Kaka'ako Waterfront project area. Two of the USTs, identified as Tank A and Tank D in the report, were located within Unit 1 boundaries. Tank A, the southern UST on Unit 1, was removed from the site of the City and County of Honolulu, Department of Public Works Engineer, Field Surface Office, Soil Testing Lab, 135 Ohe Street. Tank D, the northern UST on Unit 1, was removed from the site of the City and County of Honolulu-Honolulu Corporation Yard: Signs and Markings, Traffic Signals, Street Lights, and Parking Meters, 160 Koula Street.

Tanks A and D were removed in August 1993 and measured 8 feet long by 3.5 feet diameter and were constructed of steel with a tar coating over a fiberglass mesh. Tank A contained diesel fuel for boilers for hot water and Tank D contained leaded gasoline for vehicle refueling.

#### Tank A

Field observations recorded during tank closure activities indicated no abnormal conditions. No product odors, stained soils, or visible free product were observed during tank removal. The report noted that the tank walls were heavily corroded, but no holes or punctures were visible in the walls.

One soil sample was collected from the UST excavation near where the center of the UST was located. The soil sample was analyzed for TPH diesel.

The analytical results for TPH diesel in soil were non-detect (below 10 mg/kg).

The report indicated that the closure and removal met DOH UST guidelines and recommended backfill of the UST excavation with no further investigation or removal activities.

#### Tank D

Field observations recorded during tank closure activities indicated petroleum odors in soil around the fill end of the UST and the soils in the bottom of the excavation. The soils also had elevated PID readings. However, no staining or visible free product were observed in the soils. Soils showing signs of gross contamination were left in the excavation. Small spots of free product, showing a rainbow sheen, were visible on the water surface. The walls of Tank D were heavily corroded, but no holes or punctures were visible.

Two soil samples and one groundwater samples were collected from the UST excavation. The samples were analyzed for BTEX.



The analytical results for BTEX indicated that toluene, ethylbenzene, and xylene were detected at concentrations above their respective DOH Tier 1 SALs. The groundwater sample did not have recorded detections of BTEX.

The report recommended over excavation of the UST pit to remove gross contamination, treatment of the soils on site, and definition of the lateral extent of contamination.

This UST location was designated as Facility ID: 9-102755; Release ID: 940017.

Additional information with respect to Tank D is documented in the Release Response report immediately below.

<b>Title:</b>	<b>Various City Locations, Release Response Report; For Harry Nakai, Inc.; CFC Job # 93095</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>December 20, 1993</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 1 (Tank D)</b>

This report documents an investigation conducted by excavating a series of exploratory trenches around the former UST location D. This area was documented as impacted by petroleum hydrocarbons in the previous report. Additionally, this report documents the soil removal from the interior of the UST excavation.

Around Tank D, a total of three exploratory trenches were excavated to the east and north to delineate the impacts. The UST excavation was extended in the west direction, but the property boundary prevented full delineation in this direction. The impacts could not be delineated to the south due to a building. Approximately 19 cubic yards of contaminated soil was removed from the main excavation.

Field observations indicated that soil from the western trench showed strong product odors, elevated PID readings, and a viscous dark brown product (possibly a heavy oil) with a pungent odor at the water level within the trench. The soils in the northern trench were observed to have a faint product odor and elevated PID readings. No odors, staining, or elevated PID readings were noted in the eastern trench.

Three soil and three groundwater samples were collected from the trenches and analyzed for BTEX.

The analytical results for soil indicated that toluene, ethylbenzene, and xylene were present at concentrations above their respective DOH Tier 1 SALs. The analytical results for groundwater indicated toluene and ethylbenzene were present at concentrations above their respective DOH Tier 1 GALs.

The report concluded that the contamination extended from the UST excavation to the west and to the north, but not to the east (and a building to the south prevented excavation to the south). The source of the obvious contamination, the UST and related fill materials, were removed; however, grossly contaminated soils, free product on the water table, and elevated levels of toluene and ethylbenzene remain within the UST excavation and to the west and north. Analytical results indicated toluene was much higher than expected for a gasoline release, indicating the toluene observed in the soil and water samples may have been from another source. Fifty-five gallon drums of toluene were observed near the excavation. In addition, the possible oil observed in the western trench appears to be unrelated to the gasoline UST release and may be from an off site source.





The report recommended additional delineation to the west and north of the excavation based on field and laboratory data. Also a toluene release was indicated in the soils and waters analyzed as well as indications of a possible heavy type oil release from the west (off site).

The area around Tank D was subject to additional investigation as documented in a Site Characterization report, presented immediately below.

<b>Title:</b>	<b>Site Characterization Report; CFC Job # 94166</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>August 10, 1994</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 1 (Tank D)</b>
<b>Facility ID:</b>	<b>9-102755</b>
<b>Release ID:</b>	<b>940017</b>

This report documents the results from eight soil vapor samples, eight soil samples, and eight groundwater samples collected around Tank D. Tank D was closed in August 1993 and release response activities for this tank were performed in late 1993 as documented in the reports discussed above. The release response report concentrations of toluene and ethylbenzene in soil and groundwater above DOH Action Levels around the north and west sides of the main UST excavation.

In July 1994, a total of eight soil vapor points were placed surrounding the former UST location. The report documented low levels of toluene and ethylbenzene at some of the sampled locations; however, the results were inconclusive and did not indicate the presence or location of the contamination. The report indicated that it was possible that the discrete depth sampled by the soil vapor probe did not encounter the location where soil vapors may have been present.

Both soil and groundwater samples were collected around the UST excavation. A total of seven sampling points were installed around the former UST excavation. The last location was installed directly adjacent to the former UST excavation. The soil sample from the last location (directly adjacent to UST excavation) had detected concentrations of toluene and ethylbenzene above their respective DOH Tier 1 SALs. All of the other soil as well as groundwater samples had non-detectable levels of toluene and ethylbenzene, or levels below their DOH Action Levels.

The report concluded that the field investigation and laboratory analysis indicate that the toluene and ethylbenzene contamination was limited to the area around the former UST excavation. However, concentrations of toluene and ethylbenzene were found to be significantly reduced from levels initially discovered and documented during the UST closure and the following release response activities.

The report recommended an analysis of remedial alternatives to select an appropriate method of addressing residual contamination of site soils and groundwater.

Additional information for Tank D is contained in a Release Response Progress report and is presented immediately below.



<b>Title:</b>	<b>Release Response Progress Report; CFC Job # 94166.1</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>December 29, 1995</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 1 (Tank D)</b>
<b>Facility ID:</b>	<b>9-102755</b>
<b>Release ID:</b>	<b>940017</b>

The removal activities, release response activities, and site characterization activities for Tank D have been presented in the reports discussed above. This report documents the progress of the selected remedial alternative to address elevated toluene and ethylbenzene levels in subsurface soils and groundwater.

The report notes that during previous investigations, residual contaminants were shown to be confined to the immediate area of the former UST excavation for Tank D. Based on the knowledge of the site, the subcontractor considered three remedial strategies including (1) excavation of contaminated soils, (2) air sparging, and (3) air sparging with soil vapor extraction. Air sparging was selected as an economical method to address the contamination present.

This report documents the air sparging groundwater remediation system operated at the site between August 1995 and December 1995. Specifically, the following was performed:

- An air sparging groundwater remediation system was designed consisting of 10 sparge points and 5 soil vapor monitoring points.
- The air sparging system was operated for four months with monitoring of soil gasses performed on nine occasions
- Traffic-rated well covers were installed on existing groundwater monitoring wells and groundwater sampling was performed on seven occasions during the reporting period.

The results of the periodic sampling indicate that:

- Petroleum constituents (i.e., benzene, toluene, ethylbenzene, and xylenes) in groundwater have been either below laboratory detection limits, or several orders of magnitude lower than DOH recommended cleanup criteria, during the last seven rounds of sampling.
- Volatile organics (methane, carbon dioxide, and oxygen) in air have approached ambient levels, which would be expected in a non-contaminated environment.

Based on the information documented, the report recommended that the report be submitted to the DOH with a request for site closure. Also, the report recommended that groundwater and soil vapor sampling be discontinued. Further, once approval was received from the DOH, the report recommended the removal of all groundwater wells, vapor sample points, air sparge points, the compressor, enclosure fence and associated piping.



A letter from the DOH SHWB, dated May 20, 1996, documented the DOH's review of the release response documents listed above. The letter requested additional information with respect to the disposal of the impacted soil and groundwater from the closure and release response activities. Also, the letter requested additional groundwater samples due to using a peristaltic pump to collect groundwater samples.

An additional letter from the DOH, dated June 5, 1997, indicated that the DOH had received all requested additional information listed above. Further, the DOH letter assigned the site a status of No Further Action.

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>1</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated a variety of issues on Unit 1 including (1) the two USTs (Tank A and Tank D discussed above), (2) a former transformer storage area in the central portion of Unit 1, (3) the temporary refuse storage/transfer yard in the southern portion of Unit 1, (4) paint staining on pavement in the northern portion of Unit 1, and (4) two large oil stains, one in the center and one in the southern portion of Unit 1.

Environmental sampling conducted within Unit 1 included the following:

- Collection of three soil samples from one borehole location. The soil samples were collected at 0 foot, 2 feet, and 5 feet bgs. The borehole was located in the central portion of Unit 1 near the former transformer storage area. The soil samples were analyzed for VOCs, metals, pesticides, and PCBs. A groundwater sample was also collected from this location and analyzed for the same constituents.
- Collection of four soil samples from four shallow probe locations distributed across Unit 1. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals, pesticides, and PCBs.
- Collection of two groundwater samples from existing wells located near former Tank D. The groundwater samples were analyzed for VOCs, SVOCs, pesticides, and PCBs.
- Collection of three sediment samples from drainage structures. The sediment samples were analyzed for TPH gasoline and motor oil, metals, pesticides, and PCBs.



## **Results**

The laboratory analytical results indicated one that two of the shallow probe locations in the southern portion of Unit 1 had concentrations of lead above the DOH Tier 1 SAL of 400 mg/kg and chromium above the EPA residential PRG of 210 mg/kg.

The laboratory analytical results for the sediment sample collected from the storm drain at the south end of the site by the former refuse yard had high concentrations of TRPH above the DOH Tier 1 SAL of 5,000 mg/kg. An additional sediment sample collected from the storm drain at the northeast corner of the site had concentrations of dieldrin above the EPA residential PRG of 0.18 mg/kg and lead above the DOH Tier 1 SAL of 400 mg/kg.

The report recommended the following additional investigation: (1) delineation of lead impacted soil in south portion of Unit 1 (south end by former refuse yard), (2) characterization and disposal of sediment from the storm drain impacted with dieldrin (note: dieldrin is a listed hazardous waste – P037), (3) characterization and disposal of sediment from the storm drain impacted with petroleum hydrocarbons.

## **SITE 3, UNIT 3**

<b>Title:</b>	<b>Various City Locations, UST Closure Report; For Harry Nakai, Inc.; CFC Job # 93069</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>September 7, 1993</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 3 (Tank C)</b>

This report documents the removal and closure of four 500-gallon USTs from three different Units an the Kaka'ako Waterfront project area. One of the USTs, identified as Tank C in the report was located on Unit 3 and was removed from the site of the Department of Public Works, Division of Automotive Equipment Service, Refuse Collection, Road Maintenance, 160 Ahui Street.

Tank C was removed in August 1993 and measured 8 feet long by 3.5 feet diameter and contained diesel fuel for boilers. The tank was constructed of steel with a tar coating over a fiberglass mesh.

Field observations recorded during tank closure activities indicated that the walls of Tank C were heavily corroded, but no holes or punctures were visible. Soils beneath the tank did not have petroleum odors but did have a strong sewer odor. The report noted a thin patch of free product visible on the surface of the water within the excavation, and elevated PID readings.

One soil sample and one groundwater sample were collected from the UST excavation near where the center of the UST was located. The soil and groundwater samples were analyzed for TPH diesel.

The analytical results for the soil sample detected a concentration of TPH diesel above the DOH Tier 1 SAL of 5,000 mg/kg. In addition, the groundwater sample had an elevated concentration of TPH diesel.



The report recommended that the area be over excavated to remove grossly contaminated soil. Also, additional investigation was recommended to define the lateral extent of the TPH diesel and to define the chemicals of concern.

Additional information with respect to Tank C is documented in the Release Response report immediately below.

<b>Title:</b>	<b>Various City Locations, Release Response Report; For Harry Nakai, Inc.; CFC Job # 93095</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>December 20, 1993</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>Unit 3 (Tank C)</b>

This report documents an investigation conducted by excavating an exploratory trench to the north of former UST location C. This area was documented as impacted by petroleum hydrocarbons in the previous report. Additionally, this report documents the soil removal from the interior of the UST excavation.

As documented in the report, only one exploratory trench could be excavated to the north of former Tank C. Additional trenches could not be excavated due to the close proximity of the surrounding structures; however, the main excavation was expanded to the south and east. Approximately 19 cubic yards of contaminated soil was removed from the main excavation.

Field observations indicated minimal impacts other than a possible sheen on the water surface within the excavation. The source of obvious contamination, the UST and related fill materials, were removed during the tank removal activities. No grossly contaminated soils, free product on the water table, or elevated levels of TPH as diesel were observed within the UST excavation or to the north.

Three soil samples and one groundwater sample were collected from either the main UST excavation or from the trench to the north. The soil and groundwater samples were analyzed for TPH diesel. The groundwater sample collected from the main UST excavation was also selectively analyzed for BTEX.

The laboratory analytical results indicated very low concentrations or non-detectable concentrations of TPH diesel and BTEX in the soil and groundwater samples.

The report indicated that no contamination was found other than a possible sheen on the water surface within the excavation. The source of the obvious contamination, the UST and related fill materials, were removed. No grossly contaminated soils, free product on the water table, or elevated levels of TPH diesel were observed within the UST excavation or to the north.

The report recommended no additional investigation at former Tank C.

During Clayton's review of the documentation, no further information was available for this former Tank C location.



<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>3</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated a variety of issues on Unit 3 including (1) three active USTs used for fueling City vehicles, (2) one former LUST (discussed in previous reports of this section, and (3) two locations with heavy oil staining on the surface, one in the center of Unit 3 and one in the south end of Unit 3.

Environmental sampling conducted within Unit 3 included the following:

- Collection of three soil samples from each of three borehole locations. The soil samples were collected at 0 foot, 2 feet, and 5 feet bgs. One borehole was located in the area of the former LUST (Tank C), one borehole was located near the three active USTs, and the third borehole was located near the area of heavy oil staining on the surface at the south end of Unit 3. A groundwater sample was collected at each of the boring locations. The soil and groundwater were analyzed for TPH gasoline, diesel, and motor oil, VOCs, and metals.
- Collection of four soil samples from four shallow probe locations distributed across Unit 3. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for metals only.
- Collection of three sediment samples from drainage structures. The sediment samples were analyzed for TPH gasoline and motor oil and metals.

## **Results**

The laboratory analytical results indicated the soil samples collected at 2 and 5 feet bgs in one boring location had concentrations of lead above the DOH Tier 1 SAL of 400 mg/kg. The laboratory analytical results for one shallow probe soil sample also had lead above the DOH Tier 1 SAL.

The sediment samples from the three drain inlets had elevated TRPH concentrations indicating there was most likely an uncontrolled release of petroleum during operations in Unit 3.

The report recommended the clean up of surface pavements and sediments in the drains. The report did not specify additional delineation of the lead in surface or subsurface soils at the site. However, an additional environmental investigation was performed in 2002 as discussed immediately below.

As indicated above, the three active USTs were operational at the site during the Limited Phase II investigation. These USTs were reportedly removed in 1999 or 2000. No additional documentation has been located with respect to the closure of these three USTs.



<b>Title:</b>	<b>Subsurface Environmental Investigation, Kewalo Unit 3 (TMK 2-1-60: 5), 160 Ahui Street, City and County of Honolulu, Kaka'ako, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Masa Fujioka &amp; Associates</b>
<b>Report Date:</b>	<b>October 28, 2002</b>
<b>Site ID:</b>	<b>3</b>
<b>Unit ID:</b>	<b>3</b>

This report documents field investigation activities conducted in August and September 2002 on the southern half of Unit 3. The field investigation included (1) the collection of soil samples from 11 borehole locations, (2) the collection of groundwater samples from six boreholes converted into monitoring wells, (3) the collection of sediment samples from three storm drain locations, and (4) the collection of a sludge sample from an oil/water separator located within Unit 3.

Two to three soil samples were collected from each borehole. In most cases, three samples were collected at 1 foot, 2 feet, and near the groundwater surface at approximately 4 feet bgs.

A total of 32 soil samples and six groundwater samples were analyzed for TPH gas, diesel, and motor oil, BTEX, MTBE, PAHs, PCBs, and metals (lead, cadmium, chromium, arsenic). The three sediment samples and one sludge sample were analyzed for TPH gas, diesel, and oil, TPH using method 1664, PAHs, PCBs, VOCs and TCLP VOCs, TCLP SVOCs, Flashpoint, Reactive Cyanide, Reactive Sulfide, pH, ICP Metals, TCLP ICP Metals, TCLP Mercury.

The laboratory analytical results indicated that 20 of the soil samples had lead concentrations above the Tier 1 SAL of 400 mg/kg. Of these 20 samples, 19 had lead concentrations which were also above the PRG industrial of 750 mg/kg.

The laboratory analytical results for the groundwater samples indicated one location contained dissolved lead just above the DOH Tier 1 GAL of 0.0056 mg/L.

The laboratory analytical results for all of the sediment/sludge samples had detected concentrations of TPH motor oil. However, the results suggest that the sludge and sediments would not be characterized as a hazardous waste for disposal purposes.

The report documents that the presence of buried ash throughout the southwestern portion of the study area indicates that part of the site was part of the Kewalo Landfill, used for disposal of wastes from the Kewalo Incinerator. The presence of elevated metal concentrations in the buried materials is inherent to this type of waste. The impacted soils appear to be limited to the southern portion of the site. Capping of the landfilled material was conducted using a clean soil cover at the nearby Kaka'ako State Park to address concerns regarding exposure to metals and other potential constituents of concern in the ash. Site pavements and building foundations serve the same purpose for the subject site.

The report notes that this investigation did not include a survey for the presence of potential subsurface methane from the buried landfilled materials. Any new construction plans should include a survey to assess the potential for collection and buildup of methane gas concentrations in structures and utility spaces.





#### 3.8.4 SITE 4

##### **SITE 4, UNIT 9**

<b>Title:</b>	<b>Phase II Field Investigation Kaka'ako Brownfield Project</b>
<b>Author(s):</b>	<b>Edward K. Noda and Associates, Inc. &amp; Cotton Consulting, Inc.</b>
<b>Report Date:</b>	<b>July 16, 1999</b>
<b>Site ID:</b>	<b>4</b>
<b>Unit ID:</b>	<b>9</b>

The field investigation and environmental sampling documented in this report represent a screening level investigation and did not necessarily constitute a full characterization of any of the parcels investigated. The intent of the field investigation was to verify whether potential sources of contamination that were identified in the 1997 Edward K. Noda Phase I Assessment have had impacts on the parcels being investigated.

The report notes that the previous site assessment indicated a variety of issues on Unit 3 including (1) fueling operations conducted off site by dockside delivery of fuel by tanker trucks to vessels and that fueling operations on the site were limited to in-house fueling of trucks with diesel fuel from a small AST, (2) two 1000-gallon USTs (one gasoline and one diesel) tanks not used since 1994, and (3) moderate to heavy surface oil staining on the asphalt and concrete in various locations (the heaviest staining noted in old service bays in the building on the site).

Environmental sampling conducted within Unit 9 included the following:

- Collection of three soil samples from each of two borehole locations. The soil samples were collected at 0 foot, 2 feet, and 5 feet bgs. One borehole was located in the vicinity of the USTs, and one borehole was located adjacent to the service bay area. A groundwater sample was collected at each of the boring locations. The soil and groundwater were analyzed for TPH, VOCs, SVOCs and metals.
- Collection of three soil samples from three shallow probe locations distributed across Unit 9. The soil samples were collected between 0.5 and 1.0 feet bgs and were analyzed for TPH motor oil, SVOCs, metals, pesticides, and PCBs.

##### **Results**

The analytical results for the soil samples indicated concentrations of constituents were below their respective Action Levels or were not detected.

The analytical results for the groundwater samples indicated that benzene was detected at a concentration below the DOH Tier 1 GAL.

The report noted the detection of benzene and indicated that it should be a concern for dewatering activities during future construction.

The report did not provide recommendations for the site.



<b>Title:</b>	<b>Underground Storage Tank Closure and Short-Term Release Response Report, Kewalo Marine Services, 1125C Ala Moana Boulevard, Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>EnviroServices &amp; Training Center, LLC</b>
<b>Report Date:</b>	<b>March 17, 2000</b>
<b>Site ID:</b>	<b>4</b>
<b>Unit ID:</b>	<b>9</b>
<b>Facility ID:</b>	<b>9-100857</b>
<b>Release ID</b>	<b>000046</b>

This report documents the closure and release response activities related to two USTs at the Kewalo Marine Services facility located at 1125C Ala Moana Boulevard. The Kewalo Basin boat harbor is located less than 100 feet to the west of the facility, and Ala Moana Beach is located less than 100 feet to the east of the facility. The tanks were located under asphalt or concrete adjacent to the entrance road to Kewalo Basin Park.

In December 1999, removal activities commenced with uncovering the tops of the two tanks. After the interior of the tanks were accessed, approximately 18 inches of liquid was observed in Tank 1 and approximately 13 inches of liquid was observed in Tank 2. The liquid did not have a petroleum smell.

During tank cleaning activities, large holes were observed in the interior of the tanks, in the north and south walls of both Tanks 1 and 2. During tank removal activities, corrosion holes were observed along the exterior of all four walls of both USTs. Following removal, a black floating product and a slight sheen was observed in the groundwater of the UST excavation. Black-gray stained soil was also observed along all four walls of the excavation at approximately 4.25 feet bgs.

Based on the observation of stained soil and floating product on the groundwater, over excavation was performed to removed petroleum-impacted soil. Approximately 2 feet of soil was excavated from the north wall and approximately 1 foot of soil was removed from the bottom of the excavation. In addition, the south, east, and west walls were scraped to removed stained soil. These walls were not over excavated based on operational constraints and the subcontractor's judgment that additional over excavation would not significantly decrease the impact to the environment. The floating product on the groundwater surface was removed using absorbent pads.

The soil removed during the excavation activities was segregated into clean and suspected contaminated soil stockpiles. The segregation was based on field observations (visual and olfactory) as well as field screening with a PID.

A total of 5 soil samples were collected from within the UST excavation. One soil sample was collected from each of the 4 excavation walls at a depth of 4 feet bgs, just above the high water mark. The fifth soil sample was collected from the west wall of the excavation at a depth of 5 feet bgs, just above the groundwater surface.

Laboratory analytical results indicated that the 4 soil samples collected from above the high water mark contained concentrations of petroleum hydrocarbon and related constituents below their respective DOH Tier 1 SALs.



The fifth soil sample collected from the west wall just above the groundwater surface contained concentrations of benzene (2.58 mg/kg) and ethylbenzene (0.789 mg/kg) which were above their respective DOH Tier 1 SALs of 1.7 mg/kg and 0.14 mg/kg, respectively.

One groundwater monitoring well was installed within the tank excavation during backfill activities. Analytical results indicated non-detectable concentrations of petroleum hydrocarbons and related constituents. The detection limits were sufficient to meet DOH Tier 1 GALs.

One composite soil sample was collected from the suspected impacted soil stockpile. The results of the laboratory analysis were acceptable and the soil was transported to PVT Landfill for treatment or disposal.

The report stated that since laboratory analytical results and field observations indicated contaminants were not present in the unsaturated soil (above 4.25 feet bgs), no further soil removal was suggested. However, since field screening indicated the presence of petroleum-affected soil in the saturated soil zone, contamination was suspected in the groundwater. The subcontractor therefore recommended that the excavation be backfilled and that a monitoring well be installed within the excavation.

The groundwater sample collected from the monitoring well within the excavation indicated constituent concentrations below both method detection limits and DOH Tier 1 GALs.

Based on field observations and analytical results, the subcontractor concluded that a release had occurred but that petroleum product observed on the groundwater surface following over excavation activities was adequately removed and petroleum observed in the saturated soil was minimal and/or immobile.

The subcontractor recommended that, upon submittal of waste and tank disposal documents, no further action be required at the facility. The recommendations were based on the following: (1) initial abatement was performed therefore eliminating the source of the release, floating product on the groundwater, and petroleum-affected soil in the saturated soil zone, (2) the facility is not located above a drinking water aquifer, and (3) groundwater in the area does not appear to have been affected based on analytical data. Upon DOH's concurrence that no further action be required, the monitoring well should be properly abandoned.

A DOH letter, dated June 19, 2001, documents the review of the report and concludes that No Further Action was necessary in response to the release at the site.

#### **SITE 4, UNIT 10**

No reports specific to Site 4, Unit 10 were available for review as part of Clayton's Phase I ESA.



**SITE 4, NO UNIT ASSIGNED**

<b>Title:</b>	<b>UST Limited Site Assessment and Release Response, McWayne Marine Supply, 1125 Ala Moana Boulevard, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Muranaka Environmental Consultants, Inc.</b>
<b>Report Date:</b>	<b>September 28, 1993</b>
<b>Site ID:</b>	<b>4</b>
<b>Unit ID:</b>	<b>None</b>
<b>Facility ID:</b>	<b>9-101369</b>
<b>Release ID:</b>	<b>930107</b>

The purpose of this investigation was to determine if any fuel had impacted the subsurface through leaks from the UST system. The UST system was proposed to be closed-in-place. To accomplish the investigation, soil samples were collected from the tank pit area, along the piping, and beneath the dispensers located at the edge of Kewalo Basin.

Analytical results for two soil samples collected from beneath the dispensers and two soil samples collected along the dispenser lines indicated a petroleum release. However, all soil samples collected from the dispensers and associated piping showed no visible signs of petroleum product.

As a result of the analytical results for soil, three monitoring wells were installed in close proximity to the USTs. A soil and groundwater sample were collected at each location.

Field observations indicated petroleum odors at two borehole locations during the collection of soil samples. No visible signs of impacts were observed in the soil. During purging of the monitoring wells prior to sampling, petroleum odors and visible signs of dissolved product were detected at these locations. No odors or visible signs of impacts were observed during sampling at the third sampling location.

The laboratory analytical results confirm release of petroleum products in the vicinity of the USTs. However, all soil and water samples analyzed for PAH, lead, and BTE had concentrations of petroleum constituents below their respective DOH Action Levels.

An additional survey was conducted to determine if free product could be measured during various tidal periods. No measurable free product or sheen was detected during the follow up survey.

Based on the field and laboratory findings, the subcontractor concluded that a more comprehensive site assessment may be warranted to determine the extent of petroleum impacts in the area as that exceeded the scope of the current closure-in-place assessment. If the tanks were to be excavated, additional site assessment activities could be conducted at that time. The report also recommended the collection of additional round of groundwater samples to begin to develop a trend.

The USTs were subsequently removed and the site was subject to additional assessment activities as documented in the UST Closure report presented immediately below.



<b>Title:</b>	<b>UST Closure Report, McWayne Marine, 1125 Ala Moana Boulevard, Honolulu, Oahu, Hawaii; CFC Job # 93115</b>
<b>Author(s):</b>	<b>Cotton and Frazier Consultants, Inc.</b>
<b>Report Date:</b>	<b>April 29, 1994</b>
<b>Site ID:</b>	<b>4</b>
<b>Unit ID:</b>	<b>None</b>
<b>Facility ID:</b>	<b>9-101369</b>
<b>Release ID:</b>	<b>930107</b>

This report documents the removal of seven USTs, associated piping, dispensers, and a concrete drain trench in February 1994. The area was subject to a Limited Site Assessment, discussed above, which indicated petroleum impacts associated with the USTs, piping, and dispensers.

Additional release response site characterization activities documented in this report were conducted to determine the extent of petroleum contamination around UST Excavation 1 and Excavation 2.

Seven separate USTs, associated piping, and three dispensers were located at the site. All of the USTs were constructed of steel and had some evidence of protective coatings which were in varying degrees of decomposition. The tanks were reportedly more than 40 years old and the exact age of each tank was unknown.

Five of these USTs ( identified as USTs A through E) and associated vent piping were located next to each other in a single pit (identified as Excavation 1). Product piping was manifolded near the tanks and ran in one trench approximately 135 feet across the parking lot to three dispensers at the water front.

The last two waste oil tanks (identified as USTs F and G) were associated with 55 feet of floor drain located adjacent to the pit (identified as Excavation 2) which apparently was used to catch runoff from the service bay floor. The floor drain was connected to both of the tanks through serial piping.

### **Excavation 1**

Excavation 1 was observed to have a thin sheen of black petroleum product floating on the groundwater during tank removal activities. The petroleum product appeared to have been released from UST B which contained diesel. The free product was recovered by a vacuum truck from the groundwater surface in the excavation. Petroleum impacted soils, mostly at the soil/water interface, were removed from Excavation 1 after the free product was recovered.

Seven soil samples and one groundwater sample were collected from Excavation 1 which contained five USTs. Nine soil samples were collected from the 135 feet of piping and below the three dispenser pads.

For the soil and groundwater samples collected from Excavation 1, TPH diesel and gasoline were detected in some of the soil samples and the groundwater sample at concentrations below their respective DOH Tier 1 SAL and GAL. The samples with the highest concentrations were further analyzed for benzene, toluene, and ethylbenzene (BTE) and PAHs. One soil sample contained ethylbenzene at a concentration of 2.9 mg/kg which was above the DOH Tier 1 SAL of 1.4 mg/kg.



For the soil samples collected from the piping trench and dispenser pads, TPH diesel and gasoline were detected in some of the samples at concentrations below the DOH Tier 1 SAL of 5,000 mg/kg. The samples with the highest concentrations were further analyzed for BTE and PAHs. One soil sample contained ethylbenzene at a concentration of 3.2 mg/kg which was above the DOH Tier 1 SAL.

During removal of the piping leading to the three dispensers, a limited area of petroleum impacted soils was observed. An additional excavation was later conducted adjacent to the piping trench near the dispensers to remove additional identified contamination. A thin sheen of black free product was observed on the groundwater which was recovered with a vacuum truck. The excavation was extended out in three directions from the initial pit. An underground concrete wall was encountered on three sides of the excavation which appeared to have confined the free product migration.

Three confirmation soil samples and one groundwater sample were collected following the removal of the impacted soil. Laboratory analytical results for the soil samples had detected concentrations of TPH diesel below DOH Tier 1 SAL of 5,000 mg/kg. TPH diesel was not detected in the groundwater sample taken from the pit after the free product recovery.

### **Excavation 2**

During tank removals from Excavation 2, a hole was observed in the bottom of Tank F, below the fill end, where some stained soils were observed. The stained area was over excavated and confirmation samples were collected.

Two soil samples and one groundwater sample were collected from Excavation 2 which contained the two waste oil tanks. Three soil samples were collected from beneath the 55 feet of floor drain.

All of the soil samples had non-detectable concentrations of TPH as oil or grease. The groundwater sample also had non-detectable concentrations of TPH as oil or grease as well as PAHs.

### **Site Characterization**

In March 1994, release response site characterization activities were conducted to determine the extent of petroleum contamination.

A total of eight locations were sampled around the two excavations and piping trench. Up to three separate soil samples were collected at different depths for analysis from each location. In addition, one groundwater sample was collected from each of the eight locations. Five of the sampling locations were around Excavation 1, two sampling locations were near the piping and dispensers, and one sampling location near Excavation 2.

Low levels of petroleum hydrocarbon and related constituents were detected in the soil and groundwater samples. All of the detections were below their respective DOH Tier 1 SALs and GALs.

The report indicated that it was satisfied that the closures and site investigation meet applicable federal and state criteria and that field observations and laboratory analysis serve as the basis for the recommendation that no further action is necessary at the site.



The following chronology of events lead to the final status of the site:

1. A Release Response report dated November 11, 1994 documented the removal of a separate, additional 550-gallon UST with unknown contents in the same area. **Note: a copy of this additional Release Response report has not been obtained for Clayton's review.**
2. A DOH letter dated June 1, 1995, requested additional information including:
  - a. Hazardous waste manifests documenting the proper disposal of the sludge generated during cleaning of the USTs in February 1994
  - b. Certificates of Treatment documenting the completed treatment of the two batches of petroleum contaminated soil which were excavated February through April 1994, and during October 1994, and transported to Pacific Thermal Services, Inc., for treatment and disposal
3. A DOH letter dated August 31, 1995, confirmed receipt of requested documents. The letter stated "Based on this and earlier information provided, no further actions appear necessary in response to the releases of petroleum from the USTs."

#### **KEWALO BASIN (SUBMERGED LANDS)**

No reports specific to the Kewalo Basin (submerged lands) were available for review as part of Clayton's Phase I ESA.

#### **UNAVAILABLE REPORTS**

In addition to the reports summarized above, there are several more previous environmental reports which were referenced in the available reports but were not available for Clayton's review. These unavailable reports are listed as follows:

- *Report, Preliminary Environmental Site Assessment, Kewalo Project*, Masa Fujioka & Associates, dated August 1991
- *Hazardous Materials Survey Report, Kaka'ako Makai Ward Avenue Corporation Yard*, Muranaka Environmental Consultants, Inc., dated August 1998
- *January 2001 Removal of Contaminated Soil Monitoring, Kewalo Corp Yard, Phase I Demo Area*, Masa Fujioka & Associates, dated March 2001
- *Phase I ESA of Unit 3*, Masa Fujioka & Associates, dated May 2002
- *Kaka'ako Brownfield Unit 8 Site Characterization Study, Honolulu, Hawaii (Final Report)*, AMEC Earth and Environmental, dated May 2002
- *Supplemental Phase 2 Targeted Brownfields Assessment Report, Honolulu, Hawaii (Final Report)*, Ecology and Environment, Inc., dated 2004





- *Release Response Report for former McWayne Marine Supply, 1125 Ala Moana Blvd. (references removal of on 550-gallon UST with unknown contents), Cotton and Frazier Consultants, Inc., dated November 11, 1994*
- UST Closure Report(s) for three USTs at one site on Unit 3 of Site 3 (no more information)
- Report for the PCB cleanup at the former electrical transformer site on Unit 4 of Site 1 (PBRC facility)

These reports should be reviewed for technical content in order to complete this Phase I ESA.

### **KEWALO INCINERATOR**

Several documents relating to the history and previous environmental investigations for the Kewalo Incinerators and associated Kewalo Landfill were reviewed as part of this Phase I ESA. However, the documentation available for the Kewalo Incinerators and Landfill is voluminous and has not been fully reviewed as part of this Phase I ESA.

The following presents general information, in addition to previous information contained in Section 3.5.4, regarding the Incinerators and Landfill.

<b>Title:</b>	<b>Preliminary Assessment, Kewalo Incinerator Landfill, 709 Kelikoi Street, Honolulu, HI 96813</b>
<b>Author(s):</b>	<b>Ecology and Environment, Inc.</b>
<b>Report Date:</b>	<b>March 30, 1989</b>

This report provides a concise site description and summary of previous environmental findings documented in a Draft Final Report, Preliminary Investigation of Kewalo Incinerator Landfill by Woodward-Clyde Consultants (January 11, 1989 – **Report not reviewed**). The investigation focused on the landfill area and material and not the actual incinerator sites.

According to the report (which references previous reports), ash from the burning of municipal refuse was deposited at Kewalo from approximately 1927 until 1977, and public access to the landfill was unrestricted until after 1989. Wastes (other than ash) suspected to have been deposited at the landfill include various household and construction debris, automobile batteries, drums of unknown liquids, and cans of paint thinner. Activities documented in 1989 included soil sieving, sorting, and stockpiling by a construction contractor.

The investigation indicated that cap material ranged in thickness from 12 to 25 feet. The cap material covered the refuse material consisting of ash, wood, glass, concrete blocks, scrap metal, wire, and plastics which were up to 45 feet thick. Based on the average height, estimated area, and average thickness of refuse and cap material, the report estimated the total Kewalo Landfill volume as 686,000 cubic yards.

The analytical results indicated pesticides in both the cap and refuse samples. Semi-volatile organic compounds (SVOCs), benzene, and lead were detected in one or more of the refuse samples. Impacts were also documented to the groundwater beneath the landfill.



The report concluded that the landfill did not appear eligible for inclusion on the National Priorities List due to the following factors: (1) the contaminated shallow aquifer at Kewalo does not appear to be hydraulically connected to the deep artesian drinking water aquifer, but is more likely connected with the Pacific Ocean; (2) the surface water migration pathway (Pacific Ocean) has no drinking water targets, low impact upon migratory endangered species, and no major commercial fishing areas under new model HRS consideration; and (3) a release of landfill gasses from Kewalo is possible but unlikely due to the thick engineered soil cover over the refuse.

<b>Title:</b>	<b>Remedial Investigation, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Harding Lawson Associates</b>
<b>Report Date:</b>	<b>October 16, 1989</b>

This report documents the results from an environmental investigation and a baseline Risk Assessment for the Kewalo Landfill site. The assessment was comprehensive and included the analysis of 48 soil/ash samples, 13 samples of groundwater, and 10 samples of landfill gas. The baseline Risk Assessment was performed to evaluate potential risk to on-site visitors or workers resulting from the presence of hazardous chemicals at the Kewalo Landfill site. The following presents a summary of the conclusions on site conditions, based on the assessments and evaluations in the report:

- Landfill materials contained concentrations of arsenic, cadmium, copper, and lead at a factor of ten above probable background levels.
- Chlordane was detected at low concentrations in half of the near-surface samples. PCBs were detected in several soil samples collected primarily in the eastern portion of the landfill.
- Organic compounds were infrequently detected in site soils and ash. Petroleum hydrocarbons and related compounds were also infrequently detected at low levels.
- Inorganic constituents (metals) were present in groundwater at concentrations greater than that expected in seawater.
- Petroleum hydrocarbons and related compounds (PAHs) were detected at high concentrations in four groundwater samples. PCB was detected in one groundwater sample, which also had a high petroleum hydrocarbon concentration.

The summary of the report states:

In summary, the RA identified potential health hazards that may be related to exposures to airborne concentrations of heavy metals in fugitive dust. The assessment also identified the possible effects of contaminants on near-shore aquatic biota and the health effects that may be related to ingestion of this biota. It was concluded that a potential may exist for fish living and feeding in the immediate vicinity of the landfill to bioconcentrate indicator chemicals. Ingestion of these fish may induce adverse health effects. The risks estimated by the RA do not indicate immediate health threats but carcinogenic risks may result from chronic, long-term exposures to low concentrations of contaminants. However, this conclusion is based on conservative assumptions and no sampling of biota has confirmed that this route of exposure is of actual concern.



The report recommended that remedial measures, possibly incorporated into the proposed park design and construction, be applied to the landfill. The remedial actions were recommended to protect public health and the environment regardless if the park was constructed. The report also recommended pathway-specific sampling to investigate the validity of the conservative assumptions in the RA.

<b>Title:</b>	<b>Feasibility Study, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Harding Lawson Associates</b>
<b>Report Date:</b>	<b>February 23, 1990</b>

This Feasibility Study was performed to identify, screen, and evaluate alternatives that would reduce the potential risks to public health and the environment. The site was divided into four operable units, each requiring separate alternatives for remediation. The operable units consisted of (1) soil, ash, and refuse underlying the site, (2) gas generated within the landfill, (3) contaminated groundwater beneath and within the landfill, and (4) contaminated groundwater extracted from the site.

The preferred remedial alternatives were dependent upon future marine biota sampling to assess the effects of groundwater contaminants on marine biota. If the effects were insignificant, the preferred remedial alternatives were (1) a soil cap for the landfill materials, (2) passive collection of soil gas, (3) no action for groundwater, and (4) no action for contaminants within the groundwater.

The report also recommended measures to control fugitive dust emissions in order to protect the health and safety of workers during the construction of the park.

<b>Title:</b>	<b>Marine Bioaccumulation Study, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii</b>
<b>Author(s):</b>	<b>Harding Lawson Associates</b>
<b>Report Date:</b>	<b>April 6, 1990</b>

The report documents the results from a bioaccumulation study to assess the concentrations of constituents of concern in marine biota. The results of the investigation indicated insignificant near-shore environmental effects from the contaminants from the landfill.

<b>Title:</b>	<b>Kewalo Incinerator Site Assessment, 111 Ohe Lane, Honolulu, Hawaii</b>
<b>Author(s):</b>	<b>Harding Lawson Associates</b>
<b>Report Date:</b>	<b>March 30, 1990</b>

This report focused on the Kewalo Incinerator site and documents the assessment of hazardous materials impacts to the land and building. The report also provided cost estimates for remediation.

The results of the hazardous materials assessment indicated (1) various asbestos-containing materials, (2) crystalline silica in firebrick, (3) metals, polynuclear aromatics, and polychlorinated biphenyls in dust and ash collected within the building, (4) metals in surface soil around the building, and (5) various lead-based paint containing materials.



### 3.9 SUMMARY OF HISTORICAL REVIEW

The historical research presented in this section has established the use of the subject property since 1897. According to an 1897 topographic map of Honolulu, the entire area of the subject property and most of the adjoining areas were depicted as part of the Pacific Ocean (submerged lands), with the Honolulu coastline depicted along the northeast side of the subject property. No significant changes were noted on the next available topographic map, from 1909-1913. On the 1927 topographic map, however, the northwest portion of the subject property, including Sites 1, 2 and 3, was depicted as a land area with roadways where Ahui Street and Ilalo Street are currently located. In 1930, an incinerator was constructed on Mohala Street (now Ahui Street) close to the present John Dominis Restaurant. This location is apparently part of the subject property, although the exact location of the incinerator could not be determined. This incinerator was subsequently closed and a “new” Kewalo incinerator, located just west of the subject property, was constructed during World War II. Ash from both of the incinerators was used as fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area. The Kewalo Incinerator ceased operations in 1977.

The 1943 topographic map showed the subject property with several buildings/structures, including five buildings on the eastern portion of Site 3 (Unit 3); one structure on the southeast portion of Site 1 (Unit 4); three buildings on the southwest portion of Site 2 (Unit 7 and/or Unit 8); and three small structures at the northeast end of Site 2 (Unit 6). The area of Kewalo Basin was labeled “Kewalo” and included pier areas along the northeast and southeast sides (Site 4), but the southwest land area was not yet developed and remained under water.

The earliest available aerial photograph, from 1949, showed Site 1 of the subject property as part of the Pacific Ocean (shallow water with coral reef), with the coastline along the northeast boundary. The southwest end of Site 2 (Unit 8) appeared with one building (former fish auction house) and various small structures and boats. Unit 7 of Site 2 (Kewalo Shipyard) appeared with all of the current buildings/structures, and Unit 6 of Site 2 was labeled “Hawaiian Tuna Packers, Ltd.” and appeared with a large warehouse-type building and several smaller buildings. The current Fisherman’s Wharf Restaurant building appeared at its current location. The southwest portion of Unit 1 on Site 3 appeared with a curved ramp that extended up to the Kewalo Incinerator building on the west adjacent property. The remainder of Unit 1 was covered with vegetation and included a few small structures. Unit 3 of Site 3 appeared with the current buildings, plus several additional buildings/structures. Kewalo Basin appeared as a boat harbor in this photograph, but the land area on the southwest side did not exist at this time. The land area on the northeast side (Site 4) appeared as a parking lot with a few small buildings. The land area along the southeast side of Kewalo Basin appeared vacant.

The earliest available fire insurance map, from 1950-51, covered only Units 6 and 7 of Site 2 at the subject property. These areas included: Fisherman’s Wharf Restaurant, a large cold storage structure, and a small auto repair facility on the northeast portion of Unit 6; “Hawaiian Tuna Packers Ltd.” fish cannery on the southwest portion of Unit 6; and the current Kewalo Shipyard facility on Unit 7. Wharf areas were shown along the northwestern edge of Kewalo Basin, but there was no map coverage for the remainder of the subject property. The 1952 aerial photograph showed the northeast portion of Unit 1 improved with three buildings and several stored items. The current commercial building on the northeast side of Kewalo Basin appeared under construction in the 1954 aerial photograph. The 1956 fire insurance map showed the eastern portion of Site 4, which depicted the McWayne Marine Supply Ltd. facility in this area.



The 1959 aerial photograph showed all of the current GRG buildings and some additional buildings on the southwest portion of Site 2 (Unit 8). The 1959 topographic map showed the current Kewalo Basin, including the land area on the southwest side with the current National Oceanic and Atmospheric Administration (NOAA) building (Site 4). Three rectangular-shaped buildings were depicted on the southeast side of Kewalo Basin, and one rectangular-shaped building (current commercial building) was depicted on the northeast side of Kewalo Basin (Site 4). An aerial photograph from 1969 showed the current City & County of Honolulu, Department of Wastewater Management (DWWM) facility on Unit 2 of Site 1, and the current Look Laboratory building with the hyperbaric chamber tank and associated structures on Unit 4 of Site 1. The 1970 aerial photograph showed the current Pacific Biomedical Research (PBRC) building under construction on Unit 4 of Site 1, with construction shown as completed in the 1972 aerial photograph. Subsequent historical data showed only minor changes to the subject property, including some removal of structures and redevelopment.

Our historical research shows that the subject property has been used for commercial and industrial purposes since at least the 1940s. The historical data indicates that portions of Units 1, 2, 3, 4, 7, and 8 on the subject property may consist of Kewalo Incinerator ash fill material deposited as part of land reclamation activities. Government databases and previous environmental reports indicate that the subject property formerly included 25 USTs used for fuel storage, all of which have been removed. Several releases have been reported from these USTs and are listed in the DOH's LUST database. Most of the LUST sites have received a "Site Cleanup Completed" status from the DOH; however, some of these sites are still under investigation. It should be noted that there are additional tanks at the subject property that were not found in the DOH UST/LUST databases. These tanks are addressed in the UST table in Section 5.4.1.

#### **4.0 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL, STATE, AND LOCAL**

Available government database information prepared by Environmental Data Resources, Inc. (EDR) was reviewed to evaluate both the subject property and any listed sites within the ASTM-recommended search distances that could potentially impact the subject property. Federal, state, and local databases reviewed are included in Appendix C.

A total of 29 sites of potential environmental concern were identified on or immediately adjacent to the subject property in the databases reviewed. These sites include: State Hazardous Waste Sites (SHWS), Facility Index System (FINDS) sites, SPILLS sites, BROWNFIELDS sites, Institute Controls (INST CONTROLS) sites, UST sites, LUST sites, HAZNET, Solid Waste Facilities/Landfill (SWF/LF) sites, Emergency Response Notification System (ERNS) sites, and RCRA-Small Quantity Generator (SQG) sites. Information on these sites is presented in the following table:



Facility/Address	Database	Proximity to Subject Property	Environmental Concern
Kaka'ako Brownfield Project-Unit 6 1101 Ala Moana Blvd.	SHWS, FINDS, SPILLS, BROWNFIELDS, INST CONTROLS	Onsite (Site 2, Unit 6)	Yes; under evaluation for use restriction
Kaka'ako Community Devel. On the Ocean to the West	FINDS	Onsite	No; only listed in the Permit Compliance System
Kaka'ako Brownfield Project Ten Various Areas NW of Kewalo Basin	FINDS	Onsite (Sites 1 thru 4, Units 1 thru 10)	Yes; listed under Targeted Brownsfields Assessment
Ward Avenue & Ala Moana Blvd. Ala Moana Blvd./Ward Avenue	SPILLS	Adjacent to Northeast	No; spill cleaned up and issued No Further Action (NFA) status
Fisherman's Wharf Restaurant Ala Moana Blvd./Ward Avenue	SPILLS	Onsite (Site 2)	No; NFA issued
Wasa Electric-Komatsu Hydraulic Line Leak(in front of Fisherman's Wharf Restaurant) Ala Moana Blvd./Ward Avenue	SPILLS	Onsite (Site 2)	No; <i>de minimis</i> release and NFA issued
Honolulu Corporation Yard 160 Ahui Street	UST (Clayton ID: S3U3C & S3U3A)	Onsite (Site 3, Unit 3)	Yes for S3U3A; UST closure report(s) for site needs to be reviewed  Yes for S3U3C; LUST site requires additional investigation
Kaka'ako Brownfield Project-Unit 3 160 Ahui Street	SHWS, SPILLS, BROWNFIELDS	Onsite (Site 3, Unit 3)	Yes; Brownfield site
Honolulu City & County 160 Ahui Street	RCRA-SQG	Onsite (Site 3, Unit 3)	No; RCRA violations for compliance issues exist, but facility is no longer in operation
153 Ahui Street 153 Ahui Street	ERNS	Onsite (Site 3, Unit 1)	No; unknown oily sheen (approximately 100 square feet) observed on water of Kewalo Basin, but release appears to be <i>de minimis</i>
Hawaii Community Development Authority 1011 Ala Moana Blvd.	RCRA-SQG, FINDS, HAZNET	Onsite (Site 2)	No; no violations found



Facility/Address	Database	Proximity to Subject Property	Environmental Concern
WRAF Hawaiian Tuna Packers 1011 Ala Moana Blvd.	UST, LUST (Clayton ID: S2U6A & S2U6B)	Onsite (Site 2)	Yes; one LUST site (Clayton ID: S2U6A) requires further investigation
1025 Ala Moana Blvd. 1025 Ala Moana Blvd.	ERNS	Onsite (Unit 4)	No; report of a release of material from a sunken fishing vessel to the Pacific Ocean, but booms were applied and subsequently removed because there was no more material releasing from the vessel.
Kewalo Ash Dump Honolulu, Hawaii	SWF/LF	Onsite (Sites 1 and 3, and a portion of Site 2) and Adjacent to Northwest	Yes; ash dump in vicinity of subject property, with Active Dates: 1933-1974
Electrical & Maintenance Service 160 Koula Street	UST, LUST (Clayton ID: S3U1D)	Onsite (Site 3)	Yes; LUST site requires additional investigation
Dept. of Transportation 160 Koula Street	RCRA-SQG, FINDS	Onsite (Site 3)	No; no RCRA violations found
Honolulu Marine Inc. 123 Ahui Street	RCRA-SQG, FINDS	Onsite (Site 2, Unit 7)	No; RCRA violations for compliance issues exist, but facility is no longer in operation
GRG Enterprise Inc. Marine Basin 115 Ahui Street	UST, LUST (Clayton ID: S2U8A)	Onsite (Site 2, Unit 8)	Yes; although LUST "Site Cleanup Completed," there is evidence that the LUST site has not been fully closed
KGU Radio Station 111 Ahui Street	UST	Adjacent (between Sites 1 and 2)	No; UST "Permanently Out of Use" with no reported releases
Kaka'ako Brownfield Project-Unit 8 59 Ahui Street	SHWS, BROWNFIELDS, INST CONTROLS	Onsite (Site 2, Unit 8)	Yes; under evaluation for use restriction
Kewalo Incinerator 111 Koula Street	RCRA-SQG, FINDS	Onsite (Site 3, Unit 3) and Adjacent to Northwest	No; no RCRA violations found





Facility/Address	Database	Proximity to Subject Property	Environmental Concern
C&C Waste Water Division Maintenance Yard 98 Koula Street	SHWS, FINDS	Onsite (Site 1, Unit 2)	No; NFA issued
Cutter Motor Cars 800 Ala Moana Boulevard	RCRA-SQG, FINDS, UST, LUST	Adjacent to Northeast of Site 3	No; no RCRA violations found and LUST "Site Cleanup Completed"
In the Kewalo Basin, 41 Ahui Street In the Kewalo Basin, 41 Ahui Street	ERNS	Onsite (Submerged Lands)	No; sheen discovered on the water in Kewalo Basin in 1991, but sheen is no longer present.
Kewalo Marine Services 1125C Ala Moana Blvd.	UST, LUST (S4U9A)	Onsite (Site 4, Unit 9)	No; UST "Permanently Out of Use" and LUST "Site Cleanup Completed"
Kewalo Incinerator/Ash Dump 111 Ohe Street	SHWS, INST CONTROLS, LUST	Onsite (Site 3, Unit 1) and Adjacent to Northwest	Yes; NFA issued for portion of landfill that is currently a park (Kakaako Waterfront Park), but portion of landfill on subject property is still a concern during excavation activities.  Also, the UST closure report for the LUST site (adjacent) was reviewed, and it is still an open issue because the subsurface contamination was never delineated (status of LUST site is "Case Transferred to DOH HEER Office")
Look Lab 811 Olomehani Street	UST (Clayton ID: S1U4A)	Onsite (Site 1, Unit 4)	No; UST closure completed with no reported releases
McWayne Marine Supply 1125 Ala Moana Blvd.	UST, LUST (Clayton ID: S4A)	Onsite (Site 4)	Yes; USTs "Permanently Out of Use" and LUST "Site Cleanup Completed;" however, Release Response Report for LUST site should be obtained and reviewed
Jae II Fishing Inc. 1025 Ala Moana Blvd.	RCRA-SQG, FINDS	Onsite (Site 4)	No; no RCRA violations found



The remaining sites listed in the EDR report are not expected to present an environmental concern to the subject property because they hold an operating permit (which does not imply a problem), have completed their cleanup activities and require no further action, or based upon Clayton's review, are located too distant and/or topographically downgradient or crossgradient relative to the subject property to reasonably affect it.

A total of 39 unmapped sites of potential environmental concern were also listed in the EDR report. Unmapped sites are those sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Cross-referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed for the unmappable facility sites.

The subject property was identified with seven sites on the unmappable sites listing, including the following:

- Kaka'ako Brownfield Project-Unit 7 (SHWS, FINDS, BROWNFIELDS, INST CONTROL)
- Kaka'ako Brownfield Project-Unit 5 (SHWS, FINDS)
- Kaka'ako Brownfield Project-Unit 10 (SHWS, FINDS, BROWNFIELDS)
- Kaka'ako Brownfield Project-Unit 4 (SHWS, FINDS)
- Kaka'ako Brownfield Project-Unit 2 (SHWS, FINDS)
- Kaka'ako Brownfield Project-Unit 1 (SHWS, FINDS)
- Kewalo Basin Harbor (RCRA-SQG, FINDS)

No additional information was provided for these unmappable sites in the EDR report. However, additional information on these sites is included in Section 3.6, *Previous Environmental Reports*.

The remaining 32 unmappable sites do not appear to be located on or immediately adjacent to the subject property. Therefore, these sites have a low potential to impact the subject property.

A complete listing of sites in the EDR database report is included in Appendix C.

## **5.0 SITE RECONNAISSANCE AND INTERVIEWS**

### **5.1 GENERAL OBSERVATIONS**

Mr. Tim Swartz and Mr. David Bradbury, Project Managers with Clayton's Honolulu Regional Office, conducted the site inspection portion of the assessment on November 1, 2, and 7, 2005. Clayton performed a general walkthrough of the subject property and visual reconnaissance of properties adjoining the subject property (see Section 2.4). Photographs taken at the time of the assessment are included behind the *Photographs* Tab.



Observations made at the subject property during Clayton's site visit are listed, by Site, as follows:

### **Site 1**

The City & County of Honolulu, DWW, Division of Collection System Maintenance facility, located on the northwest portion of Site 1 (Unit 2), includes an office/workshop building and two garage buildings. Operations at this facility include mechanical repairs and carpentry, as well as equipment storage and administrative work. The Mechanic Shop included a solvent parts washer, which is regularly serviced by Unitek. Potentially hazardous materials are stored and used at this facility, including containers of gasoline, paints, hydraulic oil, drain cleaner, disinfectants, and motor oil. Most of the flammable materials were stored in properly labeled flammable storage cabinets.

No significant staining or other evidence of releases was observed at the DWW facility. However, numerous items of potential concern were observed on the grounds of the DWW facility, including three dry wells (for stormwater drainage), two storm drains (which drain to Olomehane Street), and ten groundwater monitoring wells, which are associated with the former UST/LUST site located on the southwest side of the office/workshop building. Additional information on this UST/LUST site is included in Section 3.6. According to the DWW facility personnel, they do not have a permit for the three drywells at the facility.

The southeast portion of Site 1 includes the former Look Laboratory building, which is located at the northeast end of Unit 4. This building is currently used to store dry goods such as furniture, and includes a concrete tank equipped with an experimental wave machine, which is located in the southeast portion of the building. The open lot on the southwest side of this building was partially paved and overgrown with vegetation. Items observed in this lot included: a large steel hyperbaric chamber (tank) with an attached compressor shed; a small corrugated metal building labeled "Wind/Solar Research, UH, Department of Meteorology;" a three-sided concrete structure with a steel platform on top (accessible by stairway) and attached concrete walkway/railway; a metal storage rack; and several concrete slabs that appeared as former building sites. A concrete slab with several concrete wall sections was observed at the west corner of the lot, and is reportedly the former location of a dog kennel. Piles of soil, rock, and asphalt were observed on the southern portion of the lot.

The southern portion of Unit 4 is improved with the PBRC facility, which includes several laboratories and offices where marine biology research is conducted. Small and large aquariums containing fish, algae, coral, and other marine life were observed inside the building and in a fenced-in area fronting the building. These aquariums are supplied with ocean water via two saltwater wells (with pumps) located along the adjacent coastline on the southeast and southwest sides of the facility. The seawater is pumped to a 500-gallon holding tank on the building rooftop, and is piped down (by gravity) to the various aquariums throughout the facility. Water from the aquariums flows into discharge trenches located around the perimeter of the building, which empty into the ocean.

The PBRC building includes an X-ray developing room (dark room) on the second floor (Room 223), which includes a silver recovery unit for recycling the photo developing chemicals. Hawaii Pacific X-ray Services maintains and services this silver recovery unit.

No significant staining or other evidence of releases was observed on Unit 4 of Site 1 during Clayton's site visit.



## **Site 2**

The northeast end of Site 2 (Unit 6) includes two areas. The northeast portion of Unit 6 is an asphalt-paved parking lot located on the northwest side of Fisherman's Wharf Restaurant, which is also included in Site 2. The southwest portion of Unit 6 is an unpaved lot surrounded by chain-link fencing, a portion of which is currently used by the Cutter Ala Moana Volkswagen Mazda car dealership to store new cars. No significant staining or other evidence of releases was observed on Unit 6 of Site 2.

The central portion of Site 2 (Unit 7) is occupied by the Kewalo Shipyard, a commercial boatyard where boats and ships are repaired and maintained. Site operations include hull sandblasting, hull repairs, painting, and mechanical equipment repairs and maintenance. This facility includes a large warehouse-type building that includes boat repair areas, a carpenter shop, a fabrication shop, and mezzanine offices. The area surrounding the building is concrete-paved and includes a transfer rail area on the northwest side that is attached to a boat ramp off of Kewalo Basin, where boats and ships are transferred to the dry dock areas. The transfer rail area is where most of the sandblasting activities occur, and this area was covered with sandblast grit during Clayton's onsite inspection. Sandblast grit was also observed on other portions of this facility, primarily in the southern area.

Surface staining was observed at this facility, including a small area of stained pavement (approximately five square feet) located on the southwest side of the main building, and an oil-stained concrete slab (approximately ten square feet) located underneath the diesel-powered boat winch at the northeast end of the facility, by the boat ramp. In addition, this facility includes two catch basins (covered with steel plates) located along the southeast edge of the site, adjacent to Kewalo Basin, where oil and sediment are collected. One large catch basin is located near the eastern corner of the building, next to the boat ramp, and a small catch basin is located on the southeast side of the building. The cover over the small catch basin was opened and a significant amount of dark-colored sediment and discolored water was observed inside. The steel plates over the large catch basin were very heavy and could not be opened manually.

The southwest end of Site 2 (Unit 8) is known as the GRG, a former fish and seafood distribution and sales facility that is currently not in use. Current structures on Unit 8 include: a two-story building formerly used as a fish auction house, with a refrigerated building (old icehouse) attached to the southwest side, and additional refrigerators/freezers attached to the southeast side; a two-story office building; a single-story building (formerly Kane's Fish Market) that primarily consists of refrigerator/freezer space; and a small office trailer. These buildings were not in use at the time of Clayton's site visit and were vacant except for some abandoned equipment and garbage. An old, dilapidated ice conveyor structure was observed between the old icehouse and the two-story office building. Two small utility vaults, covered with metal plates, were observed in the concrete slab on the northwest side of the old icehouse. Clayton removed one of the steel plates, and a few small pipe/conduit ends were observed inside the shallow vault. The plate over the other vault was welded shut and could not be accessed. In addition, a below-grade food grease interceptor was observed on the northwest side of the former Kane's Fish Market building.

A former UST site was observed in the asphalt-paved area southeast of the two-story office building, which is located on the southeast portion of the GRG site. Clayton observed a total of four groundwater monitoring wells in this area. Additional information on this UST/LUST site is included in Section 3.6. Evidence of a below-grade hydraulic lift was observed on a concrete slab located on the northwest side of the two-story office building. Clayton observed a small, rusted steel plate at the center of the concrete



slab, which was the only aboveground portion of the lift that remained. No pertinent information regarding this hydraulic lift was available during Clayton's assessment.

In addition, a large amount of garbage was observed on the southwest portion of the GRG facility. However, no significant staining or other evidence of releases was observed at the GRG facility during Clayton's site visit.

### **Site 3**

The northwestern portion of Site 3 (Unit 1) is currently undergoing redevelopment activities and all of the former structures have been removed. Excavation (trenching) activities for the installation of utilities were underway during Clayton's site visit. A temporary water reservoir surrounded by a soil berm (for dewatering purposes) was observed on the southeast-central portion of Unit 1, and various building materials were stockpiled in the northeast area.

The southeastern portion of Site 3 (Unit 3) is currently unoccupied, but was formerly used as the City & County of Honolulu Corporation Yard. Clayton observed several buildings on Unit 3, including: a single-story office building at the north corner; a single-story office building with partial second floor and an attached open-sided parking structure in the east-southeast area; two warehouse-type buildings, including one with an attached open-sided structure, located in the northeast-central area; and an open-sided structure housing a metal shearing machine, located in the southwest-central area. Clayton observed heavily oil-stained asphalt pavement throughout Unit 3, primarily in the central open areas and along the northwest side, which appeared as a former parking area for large trucks and/or heavy equipment. Clayton also observed a large steel plate on the asphalt-paved area on the southeast side of the east-southeast building on Unit 3. An adjoining pipe that appeared as a sewage line was observed protruding from the ground and extending up the exterior wall of the building, which may indicate the presence of a cesspool below the steel plate. In addition, a temporary water reservoir surrounded by a soil berm (for dewatering purposes) was observed on the southwest portion of Unit 3.

Clayton revisited Unit 3 on January 6, 2006, and all of the buildings/structures had been removed except for the single-story office building at the north corner of Unit 3.

### **Site 4**

Site 4 includes: boat dock areas along the perimeter of the Kewalo Basin boat harbor; the land area along the northeast side of the harbor, which includes a commercial building; the land area along the southeast side of the harbor, which includes a roadway, parking areas, a restroom building, a fenced-in lot parking lot (Unit 9) and adjacent Mammal Lab facility (Unit 10); and the land area along the southwest side of the harbor, which includes the NOAA facility and the State of Hawaii Net Shed.

The commercial building on the northeast side of the harbor is a single-story structure that includes six commercial spaces, four restrooms, and an electrical utility room. Current tenants of the building provide water sport services, primarily to tourists. The Mammal Lab facility (Unit 10), was observed along the southeast side of the harbor and consists of two adjoined pools formerly used to house dolphins for research purposes. The dolphin pools include an observation deck and are surrounded by a wall, and the facility also includes two offices, living quarters, storage areas, a pool pump room, tool room, and a small kitchen. A fenced-in lot parking lot (Unit 9) was observed immediately northeast of the Mammal Lab.



The NOAA facility was observed along the southwest side of the harbor, at the northwest end of Kewalo Basin Park (which is not part of the subject property). This facility is primarily occupied by the Kewalo Research Facility, which conducts research on threatened and endangered marine animals, including the Hawaiian monk seal and the green sea turtle. The main building is a single-story structure that includes laboratories, storage areas, and office space. An asphalt-paved, fenced-in area was observed on the southwest side of the building, which included four large seawater tanks for marine animals, two seawater pump houses, two hazardous materials storage sheds, six office trailers, four large storage containers, and an open-sided storage shelter. Seawater is supplied to the marine animal tanks via two saltwater wells located along the northwestern edge of the facility. Water from the tanks flows back into Kewalo Basin via six drain pipes located along the northwestern edge of the facility.

The State of Hawaii DOT, Harbors Division, occupies one of the building spaces in the main NOAA building, which includes a small office and storage space. The DOT also maintains an open-front drum storage shed, which was observed outside the building to the east and included several 55-gallon drums of oil and debris and smaller containers of oils and acetone. Two small wooden buildings and a few shipping containers were observed in the area along the southeast side of the NOAA facility. These structures are utilized by two small marine businesses, Aloha Fishing Supply and Ocean Catch (fish drying business). A large walk-in freezer structure, utilized by Kewalo Ice Company, was observed along the northeast side of the NOAA facility and provides ice to fishermen.

The State of Hawaii Net Shed was observed just southwest of the NOAA facility and consists of a large room with a concrete floor, where fishermen can lay out their fishing nets for repairs. Two restrooms and a fenced-in storage area containing various types of marine equipment and paint containers were also observed in this building.

No significant staining or other evidence of releases was observed on Site 4 during Clayton's site visit.

During the onsite reconnaissance and interviews, Clayton observed the subject property for and inquired about features identified in the site inspection and findings overview table below. All items that are, or are known to have been present at the subject property are noted in the table on the following page. The table also notes items that may present concerns to the subject property. Additional information about items noted can be found in the referenced section of this report.

Onsite Environmental Features	Currently/ Historically Present (Y/N)	Possible Environmental Condition (Y/N)	Report Section
Hazardous Substances or Petroleum Products	Y	Y	3.5.2, 3.6, 4.0, 5.1, 5.3, 5.4.1
Underground Storage Tanks	Y	Y	3.5.2, 3.6, 4.0, 5.1, 5.3, 5.4.1
Aboveground Storage Tanks	Y	N	5.3, 5.4.2
Odors	N	N	
Air Emissions (stacks, hoods, other point sources)	N	N	
Pools of Liquid	N	N	
Drums	Y	N	5.1, 5.3



Onsite Environmental Features	Currently/ Historically Present (Y/N)	Possible Environmental Condition (Y/N)	Report Section
Unidentified Substance Containers	N	N	
Electrical Equipment/Possible PCBs	Y	Y	3.6, 5.6
Hydraulic Equipment/Possible PCBs	Y	N	5.6
Stains or Corrosion	Y	Y	5.1
Drains	Y	Y	2.2, 3.6
Sumps	Y	N	5.1
Pits, Ponds, or Lagoons	Y	N	2.2, 5.1
Stained Soil or Pavement	Y	Y	5.1
Stressed Vegetation	N	N	
Evidence of Spills or Releases	Y	Y	3.5.3, 4.0, 5.1
Artificially Filled Areas (Solid Waste Disposal)	Y	Y	3.6, 5.5
Waste Water	N	N	
Wells	Y	Y	3.6, 5.1, 5.7
Septic Systems	Y	N	5.1
Dry Cleaning Operations	N	N	
Agricultural Use (Pesticides/herbicides)	N	N	
Remedial Activities	Y	Y	3.6

## 5.2 INTERVIEWS

During this assessment, the following individuals were interviewed for information regarding the subject property:

- Mr. Richard Kuitunen, Asset Manager with the Hawaii Community Development Authority (HCDA), provided access and information on the subject property. In Clayton's opinion, Mr. Kuitunen was forthcoming with information for which he had knowledge. Mr. Kuitunen was unaware of any environmental liens, actions or proceedings against the subject property, but he was aware of the extensive amount of environmental investigation that has been conducted at the subject property.

According to Mr. Kuitunen, Unit 4 of Site 1 formerly included a two-story building southwest of the Look Laboratory building (Current yard area), which was a compressed air facility associated with the hyperbaric chamber tank. This area also included a former pit, constructed of concrete masonry units (CMUs), which was used as a pool for scuba diving practice. This pit was filled in with soil after it was taken out of service, according to Mr. Kuitunen. In addition, this area included a former dog kennel, constructed of a concrete slab with concrete divider walls, located near the west corner of the yard area. This structure was observed by Clayton during their onsite inspection. Mr. Kuitunen did not know anything about the former UST at the Look Laboratory site, but he referred Clayton to Mr.





Dennis Okamoto of the Department of Transportation (DOT) Harbors Division for information on the UST (see interview below).

Mr. Kuitunen also provided information about former facilities on the southeast side of Kewalo Basin (Site 4). According to Mr. Kuitunen, this area formerly included McWayne Marine Supply and Kewalo Marine Services, both of which were boat supply and fueling businesses. Mr. Kuitunen stated that both of these facilities included fuel USTs that have been removed.

In addition, Mr. Kuitunen stated that, to the best of his knowledge, the storm drains located throughout the subject property discharge to the Pacific Ocean and/or Kewalo Basin.

- Mr. Richard Kanemoto, with the HCDA Special Projects, provided access and information on the subject property. In Clayton's opinion, Mr. Kanemoto was forthcoming with information for which he had knowledge. Mr. Kanemoto was unaware of any environmental liens, actions or proceedings against the subject property, but he was aware of the extensive amount of environmental investigation that has been conducted at the subject property. Mr. Kanemoto confirmed the following information regarding utilities at the subject property:
  - Electricity is provided by the Hawaiian Electric Company, Inc. (HECO)
  - Water service is provided by the City & County of Honolulu Board of Water Supply (BWS)
  - Sewer service is also provided by the City & County of Honolulu BWS
- Mr. Dennis Okamoto of the DOT Harbors Division provided information on the former 8,000-gallon UST located at the Look Laboratory site (Site 1, Unit 4). In Clayton's opinion, Mr. Okamoto was forthcoming with information for which he had knowledge. According to Mr. Okamoto, the former UST was located near the hyperbaric chamber and contained Gasohol™ that was most likely used to fuel vehicles and/or boats. Mr. Okamoto was aware that the UST had been removed from the site, but he did not know when it was removed or whether any releases from the UST were reported.

Mr. Okamoto also provided access to, and information about, the commercial building located on the northeast side of Kewalo Basin. According to Mr. Okamoto, this building was originally constructed in 1955, but was completely renovated in 1990. He stated that the building has always been occupied by businesses associated with boating, fishing, and other marine activities.

- Mr. Loren Kaehn of the Environmental Health and Safety Office at the University of Hawaii at Manoa was interviewed regarding compliance issues at the PBRC facility, located on Site 1 (Unit 4). In Clayton's opinion, Mr. Kaehn was forthcoming with information for which he had knowledge. According to Mr. Kaehn, the facility is a conditionally exempt RCRA-Small Quantity Generator (SQG) of hazardous waste due to the disposal of small amounts of laboratory chemicals. Mr. Kaehn also provided Clayton with copies of the Underground Injection Control permit (Permit No. UO-2134) for the disposal of seawater used by the facility, and a limited asbestos assessment report that was conducted at the facility in 1989. The asbestos assessment report is summarized in Section 6.1, *ASBESTOS-CONTAINING MATERIALS (ACM)*. Mr. Kaehn was unaware of any environmental liens, actions or proceedings against the PBRC facility.

A former HECO transformer site was identified at the PBRC facility, located on Unit 4 of Site 1. According to a previous Phase I ESA report conducted by Edward K. Noda and Associates, Inc & Cotton Consulting, Inc. in 1997, this transformer leaked PCB-containing dielectric fluid and HECO removed the transformer and contaminated soils. Clayton requested documentation of this PCB



release and cleanup from Mr. Kaehn. Mr. Kaehn stated that he was not aware of the incident, but he would check available records for this documentation. Clayton has not received the requested documentation as of this writing.

- Mr. Craig Nishimura, Chief of the DWWM facility on Site 1 (Unit 2), provided site access and information about site operations at the facility. In Clayton's opinion, Mr. Nishimura was forthcoming with information for which he had knowledge. According to Mr. Nishimura, the DWWM facility provides support for sewage work activities and site operations include mechanical repairs and carpentry, as well as equipment storage and administrative work. Mr. Nishimura pointed out the locations of the former UST site and associated groundwater monitoring wells; however, he did not have any pertinent information regarding the UST removal and closure. Mr. Nishimura also pointed out the locations of the dry wells, storm drains, and water valves located throughout the facility. Mr. Nishimura was unaware of any environmental liens, actions or proceedings against the DWWM facility.
- Mr. David Oya, Manager of the Kewalo Shipyard (Site 2, Unit 7), provided site access and information about site operations at the shipyard. Mr. Oya has been employed at the Kewalo Shipyard since 1985. In Clayton's opinion, Mr. Oya was forthcoming with information for which he had knowledge. According to Mr. Oya, the shipyard facility was constructed in 1937. Site operations have included ship and boat repairs (including hull and engine repairs), carpentry, and sandblasting activities. The facility ceased commercial work in 2002, when it became part of Honolulu Shipyard, according to Mr. Oya. Since that time, very little sandblasting has been conducted, and only private boat repairs and small U.S. Navy work is currently conducted.

Mr. Oya stated that the ships/boats are transferred from Kewalo Basin via the boat ramp, using the diesel-powered boat winch, onto the transfer rail area where most of the sandblasting activities have occurred. This area was covered with sandblast grit during Clayton's onsite inspection. According to Mr. Oya, the sandblast grit waste was bagged up on a regular basis and tested for hazardous materials such as heavy metals. Mr. Oya stated that the waste has always tested negative for hazardous materials, and was subsequently used by a construction contractor (Haitsuka Brothers) as fill material. Mr. Oya did not have any documentation of the test results available during Clayton's site visit.

Mr. Oya also pointed out two catch basins (covered with steel plates) located along the southeast edge of the facility, adjacent to Kewalo Basin, where oil and sediment from onsite activities are collected. One large catch basin is located near the eastern corner of the building, next to the boat ramp, and a small catch basin is located on the southeast side of the building. Mr. Oya stated that the catch basins have been cleaned out in the past, but it has been at least a few years since the last cleaning activity.

Mr. Oya was unaware of any hazardous material releases or any environmental liens, actions or proceedings against the Kewalo Shipyard facility.



- Mr. Robert Dollar, Manager of the NOAA facility on the southwest portion of Site 4, provided site access and information about site operations at the facility. Mr. Dollar has been employed at the NOAA facility since 1995. In Clayton's opinion, Mr. Dollar was forthcoming with information for which he had knowledge. According to Mr. Dollar, the facility conducts research on threatened and endangered marine animals, including the Hawaiian monk seal and the green sea turtle. Mr. Dollar stated that seawater is supplied to the marine animal tanks via two saltwater wells with pumps, which are located along the northwestern edge of the facility. Water from the tanks flows back into Kewalo Basin via six drain pipes located along the northwestern edge of the facility, according to Mr. Dollar. Mr. Dollar was unaware of any hazardous material releases or any environmental liens, actions or proceedings against the NOAA facility.

### **5.3 HAZARDOUS MATERIAL AND WASTE**

The subject property was assessed for signs of storage, use, or disposal of hazardous materials. The assessment consisted of noting evidence (e.g., drums, unusual vegetation patterns, staining) indicating that hazardous materials are currently or were previously located on the property.

During the onsite inspection, Clayton observed containers of potentially hazardous materials, including the following:

#### **Site 1**

##### **Unit 2, DWWM Facility**

- One 55-gallon drum of motor oil
- Three 55-gallon drums of charcoal (filter medium)
- One 55-gallon drum of lemon deodorant
- One 15-gallon drum of used oil
- A solvent parts washer (regularly serviced by Unitek)
- Six 5-gallon drums of drain cleaner
- Five 5-gallon drums of hydraulic oil
- Four 2.5-gallon gasoline/diesel canisters (in flammable storage cabinet)
- Eight 2.5-gallon canisters of disinfectant
- Ten 1-gallon cans of paint (in flammable storage cabinet)
- Liquid propane gas (LPG) tank of unknown capacity

##### **Unit 4, PBRC Facility**

- One 55-gallon drum of ethidium bromide dry waste (properly disposed by outside contractor)
- Numerous oxygen, helium, and argon gas cylinders (secured)
- LPG tank of unknown capacity
- Various chemicals and paints stored in a Hazardous Materials/Flammable storage shed on the northeast portion of the facility
- Numerous small containers of laboratory chemicals (mostly stored in chemical safety cabinets)



#### Unit 4, Look Laboratory Facility

No potentially hazardous materials were observed on this portion of Unit 4. This facility was no longer in operation at the time of Clayton's onsite inspection.

### **Site 2**

#### Unit 6, Former /Hawaiian Tuna Packers Facility

No potentially hazardous materials were observed on Unit 6 during Clayton's onsite inspection (this area has been cleared of buildings/structures).

#### Unit 7, Kewalo Shipyard

- Built-in 10-gallon diesel AST associated with the diesel-powered boat winch
- Two 55-gallon drums of lubricating oil
- Approximately 35, 5-gallon and 55, 1-gallon containers of paints
- Five, 5-gallon drums of paint thinner
- 18, 5-gallon drums of oil
- Eight large bags of sandblast grit waste

#### Unit 8, Former GRG Facility

No potentially hazardous materials were observed on Unit 8 during Clayton's onsite inspection. This facility was no longer in operation at the time of Clayton's onsite inspection.

### **Site 3**

#### Unit 1, Former City & County of Honolulu Departments of Transportation and Public Works

No potentially hazardous materials were observed on Unit 1. This area has been cleared of structures and was undergoing redevelopment during Clayton's onsite inspection.

#### Unit 3, Former City & County of Honolulu Corporation Yard

No potentially hazardous materials were observed on Unit 3 during Clayton's onsite inspection. This facility was no longer in operation at the time of Clayton's onsite inspection.

### **Site 4**

#### Unit 9, Former Kewalo Marine Services

No potentially hazardous materials were observed on Unit 9. This area has been cleared of structures and appeared as a fenced-in lot parking lot during Clayton's onsite inspection.

#### Unit 10, Mammal Lab Facility

No potentially hazardous materials were observed on Unit 10 during Clayton's onsite inspection. This facility was no longer in operation at the time of Clayton's onsite inspection.



#### NOAA Facility

- Seven 55-gallon drums of used oil, two 55-drums of debris, 18, 5-gallon drums of oil and acetone, and 20, 1-quart containers of oil, stored in the DOT open-sided shipping container
- Numerous small containers (five gallons or less) of gasoline, formaldehyde, bleach, oils, insecticides, paints, propane, and other maintenance products, stored in the two hazardous materials storage sheds and the open-sided storage shelter
- Built-in 10-gallon diesel tank associated with the diesel-powered emergency generator
- Numerous small containers of laboratory chemicals and maintenance products inside the NOAA building (mostly stored in flammable/corrosive safety cabinets)

#### State of Hawaii Net Shed

- Two 5-gallon and approximately 100, 1-gallon containers of paints, located in the fenced-in storage area inside the Net Shed

All of the containers of potentially hazardous materials were observed in fair to good condition, with no evidence of significant leaks or spills around the containers. However, most of the large containers (such as 55-gallon drums) were not observed within secondary containment (i.e., spill pallets) to prevent releases from impacting the underlying ground. These containers should be placed within secondary containment until the subject property is redeveloped. At that time, all potentially hazardous materials should be removed from the subject property and/or properly disposed.

### **5.4 STORAGE TANKS**

#### **5.4.1 Underground Storage Tanks (USTs)**

The subject property was inspected for evidence of USTs (e.g., vent piping, dispensing equipment, pavement variations). Evidence of USTs was observed at two of the facilities during the onsite assessment. The DWWM facility, located on the northwest portion of Site 1 (Unit 2), formerly included an UST/LUST site. A total of ten groundwater monitoring wells associated with this former UST/LUST site were observed on the southwest side of the office/workshop building. In addition, the former GRG facility located at the southwest end of Site 2 (Unit 8), includes a former UST/LUST site in the asphalt-paved area southeast of the two-story office building. Clayton observed a total of four groundwater monitoring wells in this area. No evidence of current USTs was observed on the subject property during Clayton's onsite inspection.

Based on our historical research, Clayton has identified a total of 25 former USTs included within the area of the subject property. All of these USTs have been removed from the subject property and are listed in the following table:



Tank Location/ (Clayton ID Number)	Capacity (Gallons)	Material Stored	Year Installed	Year Closed	Status
Site 1, Unit 2, DWWM Facility (S1U2B)	500	Diesel	Unknown	1993	Identified as Tank B; UST removed; LUST site requires additional investigation to complete delineation
Site 1, Unit 4, Look Lab (S1U4A)	8,000	M85 (85% methanol & 15% unleaded regular gasoline)	1989	1998	UST removed, no reported releases
Site 2, Unit 6, Former WRAF Corp./Hawaiian Tuna Packers Facility (S2U6A)	Unknown	Diesel	Unknown	Unknown (~1985)	Identified as UST Location A; UST removed; LUST site requires additional investigation to complete delineation
	Unknown	Diesel	Unknown	Unknown (~1985)	Identified as UST Location A; UST removed; LUST site requires additional investigation to complete delineation
Site 2, Unit 6, Former WRAF Corp./Hawaiian Tuna Packers Facility (S2U6B)	Unknown	Diesel	Unknown	Unknown (~1985)	Identified as UST Location B; UST removed; LUST site cleanup completed
	Unknown	Gasoline	Unknown	Unknown (~1985)	Identified as UST Location B; UST removed; LUST site cleanup completed



Tank Location/ (Clayton ID Number)	Capacity (Gallons)	Material Stored	Year Installed	Year Closed	Status
Site 2, Unit 8, Former GRG Facility (S2U8A)	6,000	Diesel	Unknown	1998	Identified as UST A; UST removed; LUST site requires additional investigation
	1,000	Gasoline	Unknown	1998	Identified as UST B; UST removed; LUST site requires additional investigation
	1,000	Gasoline	Unknown	1998	Identified as UST C; UST removed; LUST site requires additional investigation
	6,000	Diesel	Unknown	1998	Identified as UST D; UST removed; LUST site requires additional investigation
Site 3, Unit 1, Former City & County of Honolulu, Department of Transportation Services Road Signs and Street Lighting Division, Department of Public Works Survey Division, and Department of Public Works Materials Testing Laboratory (S3U1A)	500	Diesel	Unknown	1993	Identified as Tank A; UST removed; no further recommendations
Site 3, Unit 1, Former City & County of Honolulu, Department of Transportation Services Road Signs and Street Lighting Division, Department of Public Works Survey Division, and Department of Public Works Materials Testing Laboratory (S3U1D)	500	Leaded Gasoline	Unknown	1993	Identified as Tank D; UST removed; LUST site cleanup complete; however, LUST site requires additional investigation
Site 3, Unit 3, City & County of Honolulu Corporation Yard (S3U3C)	500	Diesel	Unknown	1993	Identified as Tank C; UST removed; LUST site requires additional investigation





Tank Location/ (Clayton ID Number)	Capacity (Gallons)	Material Stored	Year Installed	Year Closed	Status
Site 3, Unit 3, City & County of Honolulu Corporation Yard (S3U3A)	7,500	Diesel	1950	1999	No UST closure report available
	7,500	Gasoline	1950	1999	No UST closure report available
	5,000	Diesel	1978	1999	No UST closure report available
Site 4, Unit 9, Kewalo Marine Services (S4U9A)	1,000	Gasoline	1969	1999	UST removed; LUST site cleanup complete; no further recommendations
	1,000	Diesel	1969	1999	UST removed; LUST site cleanup complete; no further recommendations
Site 4, McWayne Marine Supply (S4A)	1,000	Gasoline	1966	1994	Tank A; UST removed; no further recommendation
	3,000	Diesel	1966	1994	Tank B; UST removed; LUST site cleanup complete; no further recommendation
	7,500	Diesel	1966	1994	Tank C; UST removed; no further recommendation
	3,000	Gasoline	1966	1994	Tank D; UST removed; no further recommendation
	550	Unknown	Unknown	1994	Tank E; UST removed; no further recommendation;
	250	Waste Oil	Unknown	1994	Tank F; UST removed; LUST site cleanup complete; no further recommendation



Tank Location/ (Clayton ID Number)	Capacity (Gallons)	Material Stored	Year Installed	Year Closed	Status
Site 4, McWayne Marine Supply (S4A)  (continued)	250	Waste Oil	Unknown	1994	Tank G; UST removed; no further recommendation
	550	Unknown	Unknown	1994	UST removed; no further recommendation; however, 1994 Release Response Report by Cotton and Frazier Consultants, Inc. should be obtained for technical review.

The UST closure reports and associated information for these former USTs are summarized in Section 3.6.

Lack of visible evidence and owner/operator knowledge of USTs at the subject property does not preclude the possibility that additional USTs could be present at the site. Visible evidence of USTs such as fill ports or vents may have been removed or obscured from view and other USTs could have been used at the subject property without the knowledge of the current owners/operators.

#### 5.4.2 Aboveground Storage Tanks (ASTs)

Aboveground storage tanks (ASTs) observed at the subject property during Clayton's site visit are listed as follows:

- A liquid propane gas (LPG) AST of unknown capacity, located at the north corner of the City & County of Honolulu, DWW facility on Unit 2 of Site 1.
- An LPG AST of unknown capacity, located on the northwest side of the PBRC facility on Unit 4 of Site 1.
- Two large compressed air ASTs of unknown capacity, located on the southeast portion of the Kewalo Shipyard, next to the main building, on Unit 7 of Site 2.
- A built-in 10-gallon diesel AST associated with the diesel-powered boat winch located at the northeast end of the Kewalo Shipyard facility, on Unit 7 of Site 2.
- A built-in 10-gallon diesel AST associated with the diesel-powered emergency generator located at the NOAA facility on the southwest portion of Site 4.



No spills, stains or evidence of releases was observed around these ASTs, except for the oil-stained concrete slab (approximately ten square feet in area) located underneath the diesel-powered boat winch at the northeast end of the Kewalo Shipyard facility. However, the slab appeared intact, with no significant cracks or openings observed in the concrete.

## **5.5 INDICATIONS OF SOLID WASTE DISPOSAL**

Currently, non-hazardous solid waste in the form of general refuse (e.g., paper, household trash, and various materials) is generated at the existing businesses at the subject property. In addition, food grease waste is generated at the Fisherman's Wharf Restaurant (Site 2). These wastes are collected and transported to offsite disposal facilities on a regular basis.

The Kewalo Shipyard (Site 2, Unit 7) conducts sandblasting on boats/ships and generates sandblast grit waste. Several large bags of this waste were observed at the facility during Clayton's site visit. According to Mr. David Oya, the waste is tested for heavy metals prior to disposal. Mr. Oya stated that the sandblast grit has always tested "non-hazardous" and is used by an outside contractor as fill material for offsite construction projects.

Historical data indicated that there are artificially filled areas on the subject property. Topographic maps from 1897 to 1913 showed the entire area of the subject property as part of the Pacific Ocean (submerged lands), with the Honolulu coastline along the northeast side. The next available topographic map, from 1927, showed Sites 1, 2 and 3 of the subject property as land areas; however, most of Site 4 remained as submerged lands. Site 4 was completely filled in with land on the 1954 aerial photograph.

1933-1974 (Sites 1 and 3, and a portion of Site 2)

## **5.6 INDICATIONS OF POLYCHLORINATED BIPHENYLS (PCBS)**

The subject property was inspected for the presence of liquid-cooled electrical units (transformers, light ballasts, and capacitors), and major sources of hydraulic fluid (elevators and lifts). Such units are notable because they may be potential sources of polychlorinated biphenyls (PCBs). PCB-containing units may subject the owner/operator to various regulatory requirements. The release of PCB fluids or their combustion products (in the event of a fire) is a potential environmental liability and may require costly remediation.



### Electrical Transformers

During this site assessment, multiple pole- and pad-mounted transformers were observed throughout the subject property. Most of these transformer units were observed with “No PCBs” labeling. However, nine units did not include these labels, including the following:

- Three pole-mounted units located along Ala Moana Boulevard by Kewalo Basin, with HECO identification (ID) numbers 53091, 53098 and 53099
- 5 pole-mounted units located along Ahui Street by Kewalo Shipyard with ID numbers 51735, 51736, 51737, 39597, and one unit with no legible ID number
- 1 pad-mounted unit located at the Kaka’ako Waterfront Park next to the Pacific Biomedical Research Center with ID number 6676.

Mr. Andrew Keith, Senior Environmental Scientist for HECO, was contacted on November 18, 2005 for information regarding the PCB content of the unlabeled transformers at the subject property. According to a letter from HECO, dated November 18, 2005, all of the transformers are listed as “PCB Free” or “Non PCB.” The HECO letter is included as Appendix E.

In addition to these transformers, several dry-type transformers were observed in the buildings on the subject property. Dry-type transformers do not use dielectric cooling fluids that could contain PCBs. Therefore, these units are not an environmental concern for the subject property.

A former HECO transformer site was identified at the PBRC facility, located on Unit 4 of Site 1. According to a previous Phase I ESA report conducted by Edward K. Noda and Associates, Inc & Cotton Consulting, Inc. in 1997, this transformer leaked PCB-containing dielectric fluid and HECO removed the transformer and contaminated soils. Clayton requested documentation of this PCB release and cleanup from Mr. Keith, and from Mr. Loren Kaehn of the Environmental Health and Safety Office at the University of Hawaii at Manoa. Mr. Keith and Mr. Kaehn stated that they were not aware of the incident, but would check available records for this documentation.

Clayton received documentation of the PCB release from Mr. Kaehn on December 20, 2005. This documentation included two memorandums (memos) from the UH Environmental Compliance Officer, Mr. Tim O’Callaghan. One memo, dated January 28, 1997, stated that the technical specifications and contractor’s submission for the replacement of the PCB transformer had been reviewed, and a few minor comments were made. The second memo, dated April 23, 1997, stated that the soil sampling results following the PCB spill cleanup were reviewed. Based on the laboratory results of “none detected” to 4.7 mg/kg PCBs, the memo stated that the spill area “is considered clean per the regulation provided.” Mr. O’Callaghan also stated that he assumed a report, documenting the cleanup in compliance with 40 CFR 176.125 (c) (5), would be provided by the contractor.

The documents provided by Mr. Kaehn included three PCB waste manifests for the transport and disposal of impacted materials, but he could not find a copy of a report that documented the PCB cleanup. This report should be obtained and reviewed for technical content. Mr. Keith of HECO responded to Clayton by telephone on December 22, 2005, and stated that he could not find any records of the former transformer or PCB spill in HECO’s records, and he believes that the transformer was not owned or maintained by HECO.



### Hydraulic Units

One below-grade hydraulic lift was observed on the subject property during Clayton's onsite inspection. This lift is located on a concrete slab on the northwest side of the two-story wooden office building at the former GRG facility (Site 2, Unit 8). A small, rusted steel plate at the center of the concrete slab was the only aboveground portion of the lift that remained. No pertinent information regarding this hydraulic lift was available during Clayton's assessment.

### Capacitors

Several large walk-in freezer and refrigeration units were observed at the subject property, primarily at the former GRG facility (Site 2, Unit 8) and Fisherman's Wharf Restaurant (Site 2). These units are equipped with compressor motors that typically include electrical capacitors, which are suspect PCB units. Although it appeared that much of the freezer/refrigeration equipment had been removed from the former GRG facility, some capacitors may remain at this facility.

### Fluorescent Light Ballasts

Numerous fluorescent light fixtures were observed throughout the buildings on the subject property. According to USEPA regulations, the small capacitors and associated potting compound within light ballasts manufactured prior to 1979 may contain PCBs. Light ballasts manufactured after 1978 should be labeled "No PCBs." Because most of the subject buildings on the subject property were constructed prior to 1979, PCB-containing ballasts could be of concern. Unlabeled ballasts should be properly packaged and transported to an approved recycling facility or PCB landfill/incinerator for disposal prior to renovation or demolition activities that may disturb these units.

## **5.7 WELLS**

Evidence of wells (supply, monitoring, or dry well) was observed at the subject property during Clayton's site inspection, including the following:

**Site 1:** A total of three dry wells and ten groundwater monitoring wells were observed on the grounds of the DWWM facility on Unit 2 of Site 1. All of the dry wells are located between the office/workshop building and the central garage building (Garage 1) and are used for stormwater drainage. According to DWWM personnel, they do not have a permit for these drywells. The ten monitoring wells are associated with the former UST/LUST site located on the southwest side of the office/workshop building. Additional information on this UST/LUST site is included in Section 3.6.

The PBRC facility on Unit 4 of Site 1 includes two saltwater wells (with pumps) located along the adjacent coastline on the southeast and southwest sides of the facility. These two wells provide ocean water to the various aquariums at the facility, where fish, algae, coral, and other marine life are kept for research purposes. This facility also includes a permitted UIC well for the disposal of the saltwater.



**Site 2:** A former UST site was observed in the asphalt-paved area southeast of the two-story office building, which is located on the southeast portion of the GRG site. Clayton observed a total of four groundwater monitoring wells in this area. Additional information on this UST/LUST site is included in Section 3.6.

**Site 3:** One groundwater monitoring well was observed near the western corner of Unit 3 on Site 3. In addition, a large steel plate on the southeast portion of Unit 3 appeared as a cover over a potential cesspool.

**Site 4:** The NOAA facility, located on the southwest portion of Site 4, includes two saltwater wells located along the northwestern edge of the facility. Two pump houses supply seawater from the wells to four large tanks, where marine animals are kept for research purposes.

In addition to the wells observed by Clayton, the Department of Land and Natural Resources (DLNR) *Groundwater Well Index and Summary Report* (February 5, 1991) identifies the following five water wells within the vicinity of the subject property:

- Wells #3-1751-01 & -02, located near the intersection of Ilalo Street and Ahui Street on or near Unit 6 of Site 2, are owned by Castle & Cooke, were drilled in 1939, and are identified as "Industrial."
- Well #3-1751-03, located at or near the NOAA facility on the southwest portion of Site 4, is owned by the State of Hawaii, was drilled in 1959, and is identified as "Other."
- Well #3-1751-05, located at or near the Mammal Lab on Unit 10 of Site 4, is owned by the University of Hawaii, was drilled in 1968, and is identified as "Other."
- Well #3-1751-06, located at the PBRC facility on Unit 4 of Site 1, is owned by the University of Hawaii, was drilled in 1970, and is identified as "Other."

## **5.8 DRY CLEANING OPERATIONS**

Dry cleaning operations are not currently conducted on the subject property. In addition, the historical research did not identify any evidence of past dry cleaning operations at the subject property.

## **6.0 NON-ASTM ISSUES**

### **6.1 ASBESTOS-CONTAINING MATERIALS (ACM)**

The subject property was inspected for the presence of suspect asbestos-containing materials (ACM) such as ceiling and roofing materials, and presumed asbestos-containing materials (PACM) as defined by OSHA (29 CFR 1926.1101); which includes thermal system insulation and surfacing material, if building construction was prior to 1981.



Asphalt and vinyl flooring material installed no later than 1980 must also be considered asbestos-containing unless proven otherwise. The inspection consisted of noting observable materials (i.e., materials that are readily accessible and visible without dismantling elements of the structure, such as carpet, wallboard, or ceiling panels), which may contain asbestos, or are, by definition, presumed asbestos containing.

The inspection was not intended to disclose all possible sources of suspect ACM or PACM; rather, it was designed to assess the presence of suspect ACM and PACM in the most significant (because of the quantity present, condition, and/or ease of accessibility) sources observed at the property.

Suspect ACM and PACM observed at the subject property include the following:

**Site 1:** The only readily apparent suspect ACM observed at the DWWM facility on Unit 2 of Site 1 were 12- by 12-inch floor tiles (and associated mastic) located in the office areas. According to Mr. Craig Nishimura, Chief of the DWWM, an asbestos assessment survey has been conducted at this facility. However, Mr. Nishimura stated that he did not know where the asbestos survey report is kept. It should be noted that canec ceiling board was observed in the office areas of the DWWM facility. Although it is not considered suspect AMC, canec may contain arsenic.

Several types of suspect ACM were observed at the PBRC facility on Unit 4 of Site 1, including: cementitious exhaust flues (Transite™) on laboratory fume hoods, mudded joint packings (MJPs) on fiberglass-insulated pipes, floor tiles (and associated mastic), acoustical wall tiles, ceiling materials, sink undercoating, and roofing materials. Clayton obtained a copy of an asbestos assessment report that was conducted at this facility in 1989 from the Environmental Health and Safety Office at the University of Hawaii at Manoa. According to the report, which was conducted by Hall-Kimbrell Environmental Services, confirmed ACM were identified in the PBRC building, including: vinyl floor tiles throughout the building; MJPs on chilled water pipes throughout the building; and acoustical ceiling plaster on a portion of the first floor. Materials confirmed as non-ACM include 1- by 1-foot acoustical ceiling tiles and drop-in ceiling panels.

Based on Clayton's review of the asbestos assessment report and onsite inspection, it appears that the report is limited in nature and does not address all of the suspect ACM in the PBRC building. In addition, some of the information in the report spreadsheets does not correspond with the sample/material location diagrams in the report. It is unknown whether any of the ACM have been removed from the PBRC building.

Suspect ACM observed in the Look Laboratory building on Unit 4 of Site 1 include cementitious (Transite™) panels on the front entrance overhang and exterior walls, and floor tiles with associated mastics.

**Site 2:** Several types of suspect ACM were observed at the GRG site on Unit 8 of Site 2, including: acoustical ceiling plaster, drop-in ceiling panels, floor tiles (and associated mastics), gypsum wall board with joint tape/compound, roofing materials, and tar covering on the ice conveyor structure.





No readily apparent suspect ACM were observed in the Fisherman's Wharf Restaurant on Site 2, except for hard wall/ceiling plaster. However, based on its age, this building most likely includes additional suspect ACM that were hidden from view, possibly behind wall coverings and/or underneath carpeting.

**Site 3:** No readily apparent evidence of suspect ACM was observed on Unit 1 of Site 3, which had no remaining buildings and was undergoing excavation activities during Clayton's site visit. Suspect ACM observed at the former City & County of Honolulu Corporation Yard facility on Unit 3 of Site 3 included floor tiles with associated mastics in a few office areas, and asphalt-shingle roofing materials on two of the buildings.

**Site 4:** The commercial building on the northeast side of Site 4 originally constructed in 1955 and completely renovated around 1990. Based on the renovation date, ACM should not be present in this building; however, some ACM may remain from the original structure. Suspect ACM observed in this building during Clayton's site visit include: drop-in ceiling panels, 12- by 12-inch floor tiles (and associated mastic), gypsum wall board with joint tape/compound, floor and asphalt-shingle roofing materials.

Suspect ACM observed at the Mammal Lab facility on Unit 10 of Site 4 include: 12- by 12-inch floor tiles (and associated mastic), gypsum wall board with joint tape/compound, floor cove base (and associated mastic), and roofing materials

The only readily apparent suspect ACM observed at the NOAA facility (located on the southwest portion of Site 4) were 12- by 12-inch floor tiles (and associated mastic) located in the office areas.

Prior to any activities (i.e., repair, renovation, demolition) which may disturb suspect ACM or PACM, these and similar materials should be sampled and analyzed for possible asbestos content. If these materials are found to contain asbestos, the building owner or leased space tenant may be required to comply with applicable USEPA, OSHA, NESHAPS, and state and local regulations.

## **6.2 RADON**

Radon is a naturally occurring radioactive gas formed by the decay of uranium in bedrock and soil. The potential adverse health effects associated with radon gas depend on various factors, such as the concentration of the gas and duration of exposure. The concentration of radon gas in a building depends on subsurface soil conditions, the integrity of the building's foundation, and the building's ventilation system.

Due to the relatively young geological age (less than five million years) of the southernmost islands of the Hawaiian archipelago, radon gas does not occur at elevated levels in Hawaii. Therefore, no further investigation of radon is recommended for the subject property.



### 6.3 LEAD-BASED PAINT (LBP)

Lead-based paint was commonly used for corrosion protection in the 1960s, and in prime, intermediate, and finish coats well into the 1970s. Regulations specifically addressing lead-based paint include Housing and Urban Development (HUD) (1995) guidelines and the Consumer Product Safety Act (1977).

These regulations define lead-based paint as containing 0.5% lead by weight (5,000 ppm), and 0.06% lead by weight (600 ppm), respectively, for housing and consumer products. There is no industrial definition. There are specific testing methods for sampling and analyzing lead in paint.

Because most of the existing buildings on the subject property were built prior to 1978, lead-based paint could be an issue at the subject property. Sampling should be conducted to determine the presence or absence of lead-based paint.

### 6.4 SENSITIVE ECOLOGICAL AREAS

The subject property was inspected for the presence of sensitive ecological areas by noting environmental indicators (e.g., wetlands vegetation, floodplains) located on or immediately adjoining the subject property.

No sensitive ecological areas were observed on the subject property. The USGS 7.5-Minute Topographic Map, Honolulu, Hawaii Quadrangle (1998), which includes the subject and adjoining properties, does not depict creeks or delineated wetlands located on the subject or adjoining properties. A United States Fish and Wildlife Service (USFWS) National Wetland Map was not available for review.

According to the Federal Emergency Management Agency flood insurance rate maps (FEMA/FIRM Panel Nos. 150001-0115 C and -0120 C), the northwestern portion of the subject property (Sites 1 and 3, and the northwest half of Site 2) lies within Flood Zone X, which denotes an area determined to be outside the 500-year flood plains. The southeast half of Site 2, and the southeast and southwest portions of Site 4 are located within Flood Zone A, where no base flood elevations are determined. The northeast portion of Site 4, along Ala Moana Boulevard, is located within Flood Zone AE, with a base flood elevation of four feet determined.

## 7.0 FINDINGS, OPINIONS, CONCLUSIONS, AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment in conformance with the guidelines of ASTM Practice E-1527-05 of the Kaka'ako Waterfront Redevelopment property, located in the Kaka'ako District of Honolulu, Oahu, Hawaii, the subject property. Any exceptions to or deletions from this practice are described in Sections 1.2 and 1.3.

This assessment has revealed evidence of numerous *recognized environmental conditions* (RECs), as defined by ASTM, in connection with the subject property. The following lists the evidence of RECs individually for each Site at the subject property, as well as general RECs pertaining to the overall subject property:



### General

- Historical research indicates that ash from both of the former Kewalo incinerators (one onsite and one immediately adjacent to the subject property) was used as fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area. Previous environmental investigations have documented high concentrations of metals (including lead, arsenic, and chromium) in the anthropogenic ash fill material. In addition, one previous environmental investigation on Unit 8 had detections of dioxin in the ash material.

This finding is considered a REC because there is evidence of high concentrations of metals and possibly dioxin in the ash fill material. Clayton recommends implementing a Soil Management Plan which prescribes the proper handling and disposal (if required) of the ash material when it is encountered during excavation and construction activities.

- Historical research indicates that the disposal of various types of unburned garbage, refuse, and debris occurred in the area of ash fill material on the southwest portion of the subject property (portions of Sites 1, 2, and 3 [portions of Units 1, 2, 3, 4, 7, and 8]) and on the southwest adjoining area. Previous environmental reports have recorded observations of decayed organic matter odor and have recommended surveys to assess the potential for the generation and collection of methane gas within future structures and subsurface utility spaces.

This finding is considered a REC because there is evidence of solid waste disposal of material which may decompose and generate methane gas. Clayton recommends a soil gas survey prior to construction activities to measure the concentrations of methane across the subject property. The soil gas survey should include an assessment for the potential for methane gas intrusion and collection in structures and subsurface utility vaults.

- Storm drains were observed throughout the subject property in proximity to current and former industrial facilities. These storm drains reportedly discharge to the Pacific Ocean and/or Kewalo Basin. Based on a previous limited environmental investigation, contaminants were identified in a portion of the storm drain sediments sampled. These contaminants include metals, pesticides, and petroleum hydrocarbons. In addition, the Kewalo Shipyard facility ( Site 2, Unit 7), includes two subsurface “catch basins” located adjacent to Kewalo Boat Harbor. These structures reportedly contain sediments and may contain petroleum constituents and metals associated with shipyard activities.

This finding is considered a REC because there is evidence of impacts to the sediment within the storm drains and catch basins on the subject property. These impacts include metals, pesticides, and petroleum hydrocarbons. Clayton recommends a comprehensive investigation of the sediments in the storm drain system throughout the property and the catch basins at the Kewalo Shipyard facility. Sediments with elevated contaminant levels should be properly removed and disposed prior to redevelopment of the subject property. In addition, should redevelopment plans include activities that would disturb sediments within Kewalo Basin in areas of storm drain discharges, Clayton recommends conducting an investigation of the sediments to assess the potential impacts by metals, pesticides, and petroleum hydrocarbons.



- Historical fire insurance maps from 1950-51 through 1993 depicted structures of environmental concern on areas adjoining the subject property to the north, northeast, and northwest, which are hydrologically up-gradient to the subject property. These structures included: “Gasol. & Oil,” “Boat Building,” “Oils and Paint,” “City Welding Company,” and “Pflueger Honda sales and service” facilities on the northeast adjoining area; “Gas & Oil” structure, “Auto Repair & Greasing” structure, and “Lab” building on the north-northwest adjoining area (Unit 5); and the “City and County Department of Building” facility (with auto greasing, oil storage, and paint shop), “Tractor Repairing” facility, and “Gas & Oil” structure on the north adjoining area (northeast of Ilalo Street and Site 3). In addition, the former Kewalo Incinerator facility (current Children’s Discovery Center) on the northwest adjoining property includes an open LUST site that has not been cleaned up.

This finding is considered a REC because the adjoining facilities are known to have used petroleum hydrocarbon products and other chemical products, which have the potential to be released into the subsurface and migrate toward the subject property. In addition, the open LUST site on the northwest adjoining property (former Kewalo Incinerator) has the potential to impact the subject property. Clayton recommends conducting subsurface investigations along the north, northeast, and northwest property boundaries to assess potential impacts from offsite sources.

#### Site 1 - Unit 2 and Unit 4

- One LUST site located on Site 1 on Unit 2, identified as Tank B during previous investigations, was closed and the lateral and vertical impacts were partially delineated. Due to the presence of a building in the immediate proximity of the former UST, complete delineation of the lateral extent of the possible impacts could not be assessed.

This finding is considered a REC because the former UST site has had a confirmed release of petroleum constituents to the subsurface that has not been fully delineated. Clayton recommends further investigation of the LUST site following demolition and removal of the buildings on Unit 2.

- Shallow soils and subsurface soils on the current DWWF Facility located on Site 1 on Unit 2 were sampled as part of two limited environmental investigations. Based on these previous investigations, shallow soil and subsurface soil samples contained high lead and arsenic concentrations. In addition, one subsurface soil sample contained volatile organic compounds (VOCs) above action levels. However, it appears that the extent of the metal and VOC impacts has not been fully assessed.

This finding is considered a REC because there is evidence of impacts to soil at the DWWF Facility on Site 1 on Unit 2. These impacts include metals in the surface, as well as metals and VOCs in the subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- A previous limited environmental investigation at the LOOK Laboratory facility on Site 1 on Unit 4 indicated high concentrations of lead in the surface and subsurface soils. In addition, one subsurface soil sample had elevated concentrations of petroleum hydrocarbons.

This finding is considered a REC because there is evidence of impacts to the soil at the LOOK Laboratory facility on Site 1 on Unit 4. These impacts include metals in the surface soils and metals and petroleum hydrocarbons in the subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.



- A former Hawaiian Electric Company (HECO) transformer site was identified at the PBRC facility, located on Site 1 on Unit 4. According to a previous Phase I ESA report, this transformer leaked PCB-containing dielectric fluid and HECO removed the transformer and contaminated soils. Full cleanup documentation was not available for this report. However, a memorandum indicated that soil samples had non-detectable to 4.7 mg/kg concentration of PCBs which is above the current DOH Environmental Action Level of 1.1 mg/kg.

This finding is considered a REC because there is evidence that the reported PCB release was not fully cleaned up to current DOH Action Levels. Clayton recommends an assessment of the PCB impacts in the area surrounding the spill.

#### Site 2 –Unit 6, Unit 7, and Unit 8

- One of two LUST sites on Site 2 on Unit 6 was closed and the lateral and vertical impacts partially delineated with additional environmental investigations recommended. The recommendation specifically called for the installation of monitoring wells around the former UST Location A. However, it appears that the recommended additional investigation was not performed.

This finding is considered a REC because the former LUST site had a confirmed release of petroleum constituents to the subsurface that have not been fully delineated. Clayton recommends further investigation of the LUST site at Location A.

- Previous limited environmental investigations at the former Hawaiian Tuna Packers facility on Site 2 on Unit 6 and the former GRG facility on Site 2 on Unit 8 revealed high concentrations of lead and arsenic in the surface and subsurface soils.

This finding is considered a REC because there is evidence of impacts to the surface and subsurface soils on Site 2 at Unit 6 and Unit 8 on the subject property. Extensive delineation activities in these areas have been documented, and preliminary remedial alternative recommendations have been made. Clayton concurs with these recommendations.

- A previous limited environmental investigation at the Kewalo Shipyard facility on Site 2 on Unit 7 revealed high concentrations of lead and arsenic in the surface soils and arsenic in the subsurface soils. Additional delineation activities in this area have been documented, and preliminary remedial alternative recommendations have been made. However, the additional delineation activities were limited in scope (because previous results were below action levels) and did not include pollutant metals (other than lead and arsenic) and solvents commonly associated with shipyard activities.

This finding is considered a REC because there is evidence of impacts to the surface and subsurface soils on Site 2 at Unit 7 of the subject property. The previous investigations did not include testing for all of the chemical constituents of concern associated with shipyard activities, including priority pollutant metals (other than lead and arsenic) and solvents. Therefore, Clayton recommends further investigation of this area prior to redevelopment.



- The Kewalo Shipyard facility, located on the central portion of Site 2 on Unit 7, includes boat sandblasting activities. The boat transfer rail (where most of the sandblasting activities occur) and the surrounding areas were covered with sandblast grit during Clayton's site visit.

This finding is considered a REC because there is evidence that metals and other regulated substances may be included in the sandblast grit. Therefore, Clayton recommends the collection and analysis of samples to determine if the sandblast grit is acceptable for disposal and to assess whether any regulated substances have leached into the underlying soil.

- The former GRG facility at the southwest end of Site 2 on Unit 8 includes a below-grade hydraulic lift, which is located at the center of a concrete slab on the northwest side of the two-story office building. During the onsite inspection, Clayton observed a small, rusted steel plate at the center of the concrete slab, which was the only aboveground portion of the lift that remained. No pertinent information regarding this hydraulic lift was available during Clayton's assessment.

This finding is considered a REC because there is a potential for past releases of hydraulic fluid from this lift. Clayton recommends removing the lift and conducting soil/groundwater sampling with laboratory analyses for polychlorinated biphenyls (PCBs) and petroleum hydrocarbons.

- The former GRG facility at the southwest end of Site 2 on Unit 8 included four USTs which were removed in 1998. A release of diesel fuel was reported during closure activities and impacted soil was removed from the area immediately surrounding the UST excavation during release response activities. However, the previous environmental investigation recommended that additional remedial excavation be performed. Further documentation of the additional remedial excavation was not available for review.

This finding is considered a REC because there is evidence of a LUST site which has not been fully closed. Clayton recommends additional excavation with confirmation soil sampling in the area of the former LUST.

#### Site 3 – Unit 1 and Unit 3

- Two LUSTs sites located on Site 3 (Unit 1 [Tank D] and Unit 3 [Tank C]) were closed and the lateral and vertical impacts partially delineated. However, due to the presence of buildings in the immediate proximity of the former USTs, complete delineation of the lateral extent of the possible impacts could not be assessed.

This finding is considered a REC because the former UST sites have had confirmed releases of petroleum constituents to the subsurface that have not been fully delineated. Clayton recommends further investigation of the three LUST sites following demolition and removal of the buildings.

- The southern portion of Unit 1 on Site 3 was formerly used as a temporary refuse transfer/storage yard and a car storage yard. In addition, historical aerial photographs show this area as a portion of the former Kewalo Incinerator facility located on the adjacent property. Based on a previous limited environmental investigation, shallow subsurface soil samples contained high lead and chromium levels. However, it appears that the extent of the lead and chromium impacts have not been fully assessed.





This finding is considered a REC because there is evidence of impacts to soil in the southern portion of Unit 1 on Site 3. These impacts include metals and may include petroleum hydrocarbons and related constituents in the surface and subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- The former City and County of Honolulu Corporation Yard on Site 3 on Unit 3 includes several areas of heavy surface staining, primarily on asphalt-paved areas along the northwest side and central area.

This finding is considered a REC because there is evidence of releases of petroleum hydrocarbons and related constituents to the surface on Site 3 on Unit 3. Clayton recommends proper removal and disposal of the stained pavement. Following the removal of the stained pavement, an assessment of potential impacts to the underlying soil should be performed.

- Previous environmental investigations at the former City and County of Honolulu Corporation Yard on Site 3 on Unit 3 indicated high concentrations of lead in the surface and subsurface soils.

This finding is considered a REC because there is evidence of impacts to the soil at the former City and County of Honolulu Corporation Yard on Site 3 on Unit 3. These impacts include metals in the surface and subsurface soils. Clayton recommends further investigation of this area prior to redevelopment.

- During the onsite inspection, Clayton observed a large steel plate on the asphalt-paved area on the southeast side of the southeast building on Site 3 on Unit 3 (former City & County of Honolulu Corporation Yard). An adjoining pipe that appeared as a sewage line was observed protruding from the ground and extending up the exterior wall of the building, which may indicate the presence of a cesspool below the steel plate. Although the cesspool was likely associated with sinks and toilets, there is a potential that chemical compounds associated with heavy equipment repair (such as petroleum hydrocarbons) have been released into the cesspool.

This finding is considered a recognized environmental condition because Unit 3 was formerly used for industrial purposes, and there is a potential that past disposal practices may have introduced chemical constituents of concern into the cesspool and subsurface. Clayton recommends sampling and analysis of the contents of the cesspool, followed by proper closure.

#### Site 4 – Unit 9 and Unit 10

- The 1968 tax assessment records included a building sketch showing a building labeled “U.S. & T.H. Fish & Wildlife Building,” with a small structure labeled “Power House” depicted in front of the building. Power house structures may include generators that require a UST or other fuel source, and/or electrical transformer(s) that include polychlorinated biphenyl (PCB) fluid. This Parcel is the current location of the NOAA facility on the southwestern portion of Site 4.





This finding is considered a REC because there is a potential for past releases of petroleum hydrocarbons and/or PCBs from the former power house on Site 4. Clayton recommends conducting a subsurface investigation in this area to assess potential impacts to the subject property.

This assessment has revealed numerous environmental conditions which are not considered to be *recognized environmental conditions*, as defined by ASTM, in connection with the subject property. The following lists the environmental conditions which are not considered RECs individually for each Site at the subject property, as well as general non-RECs pertaining to the overall subject property:

#### General

- Based on the historical industrial uses of the subject property, there is a potential that additional subsurface structures (such as USTs and hydraulic lifts) may exist onsite that were not identified during previous environmental investigations.

This finding is not considered a REC because there is no readily apparent evidence of additional subsurface structures at the subject property. However, Clayton recommends that all demolition and excavation activities for the proposed redevelopment be monitored for buried structures such as USTs and hydraulic lifts, as well as visually impacted soil.

- Several groundwater monitoring wells were observed across the subject property, which were installed as part of previous environmental investigations. In addition, there are five saltwater wells at the ocean research facilities on the subject property, including: two wells at the PBRC facility (Site 1, Unit 4); two wells at the NOAA facility (Site 4); and one well at or near the Mammal Lab facility (Site 4, Unit 10). The PBRC facility also includes a permitted Underground Injection Control (UIC) well for the disposal of saltwater, and the DWWM facility (Site 1, Unit 2) includes three non-permitted dry wells used for stormwater drainage.

This finding is not considered a REC because the presence of the monitoring wells, saltwater/UIC wells, and stormwater drywells does not constitute a release. However, the monitoring wells (in areas where proper closure has been documented) should be properly abandoned, and the saltwater/UIC wells and drywells should be properly closed and sealed to prevent unauthorized releases into the wells and subsurface.

- Suspect asbestos-containing materials (ACM) were observed in most of the buildings on the subject property. The only available asbestos assessment report was for the PBRC building located on Unit 4 of Site 1, which identified ACM in the form of vinyl floor tiles, pipe insulation, and acoustical ceiling plaster. Additional asbestos assessments have reportedly been conducted at the subject property but were not available for Clayton's review.

This finding is not considered a REC because asbestos is not considered an ASTM issue. However, prior to planned demolition activities which will disturb the suspect ACM, a comprehensive asbestos assessment survey should be conducted. If ACM are identified, the building owner or leased space tenant may be required to comply with applicable United States Environmental Protection Agency (USEPA), Occupational Safety and Health Administration (OSHA), National Emissions Standards for Hazardous Air Pollutants (NESHAPS), and state and local regulations.



- Because the buildings on the subject property were built prior to 1978, lead-based paint (LBP) could be an issue at this site. Sampling and laboratory analysis would be necessary to determine the presence or absence of lead-based paint.

This finding is not considered a recognized environmental condition because lead paint is not an ASTM issue. However, prior to planned demolition activities which may disturb painted building surfaces, sampling should be conducted to determine the presence or absence of lead in the painted surfaces. If LBP is identified, USEPA and Hawaii Occupational Safety and Health Administration (HIOSH) regulations must be followed during demolition activities.

- Suspect PCB-containing fluorescent light fixtures were observed throughout the buildings on the subject property. According to USEPA regulations, the small capacitors and associated potting compound within light ballasts manufactured prior to 1979 may contain PCBs. Light ballasts manufactured after 1978 should be labeled “No PCBs.”

This finding is not considered a recognized environmental condition because there is no evidence of releases from the light ballasts. However, prior to the planned demolition activities, the ballasts should be inspected for “No PCBs” labels. Unlabeled ballasts should be properly packaged and transported to an approved recycling facility or PCB landfill/incinerator for disposal prior to demolition activities that may disturb these units.

#### Site 2 – Unit 8

- At the former GRG facility at the southwest end of Site 2 on Unit 8, south of the former Kane’s Fish Market, an area could not be inspected due to large amounts of trash and debris. This area was identified as a location of oil staining on pavement in a previous environmental report. However, the report did not recommend further investigation of the oil-stained area.

This finding is not considered a REC because evidence of surface staining is insufficient to constitute a release. Clayton recommends that the area be further assessed following the removal of the trash and debris.

#### Site 3 – Unit 3

- One UST site, containing three USTs, was identified in Site 3 on Unit 3. The USTs were identified as having been removed in 1999 or 2000 with no reported releases according to the DOH LUST database. The UST closure documentation was not available from the DOH or any other sources.

This finding is not considered a REC because there were no reported releases at this UST site. However, Clayton recommends obtaining the closure report for technical review. If the closure report can not be located, Clayton recommends a subsurface investigation to confirm petroleum constituents were not released to the subsurface.



#### Site 4 – Unit 9

- One LUST site, containing numerous USTs, was identified at the former McWayne Marine Supply. Closure and Release Response Reports were submitted to the DOH and a No Further Action status was assigned to the LUST site. Clayton reviewed all of the reports with the exception of a report documenting the closure of one 550-gallon UST with unknown contents.

This finding is not considered a REC because the overall LUST site received a No Further Action status from the DOH. However, Clayton recommends obtaining the closure report for the 550-gallon UST for technical review.

It should be noted that there are several more previous reports that were not available for Clayton's review. These reports are listed as follows:

- *Report, Preliminary Environmental Site Assessment, Kewalo Project*, Masa Fujioka & Associates, dated August 1991
- *Hazardous Materials Survey Report, Kaka'ako Makai Ward Avenue Corporation Yard*, Muranaka Environmental Consultants, Inc., dated August 1998
- *January 2001 Removal of Contaminated Soil Monitoring, Kewalo Corp Yard, Phase I Demo Area*, Masa Fujioka & Associates, dated March 2001
- *Phase I ESA of Unit 3*, Masa Fujioka & Associates, dated May 2002
- *Kaka'ako Brownfield Unit 8 Site Characterization Study, Honolulu, Hawaii (Final Report)*, AMEC Earth and Environmental, dated May 2002
- *Supplemental Phase 2 Targeted Brownfields Assessment Report, Honolulu, Hawaii (Final Report)*, Ecology and Environment, Inc., dated 2004
- *Release Response Report for former McWayne Marine Supply, 1125 Ala Moana Blvd. (references removal of one 550-gallon UST with unknown contents)*, Cotton and Frazier Consultants, Inc., dated November 11, 1994
- UST Closure Report(s) for three USTs at one site on Unit 3 of Site 3 (no more information)
- Report for the PCB cleanup at the former electrical transformer site on Unit 4 of Site 1 (PBRC facility)

These reports should be reviewed for technical content in order to complete this Phase I ESA.

To assist in planning and prioritizing additional investigations and/or corrective actions required prior to development of the Kaka'ako Waterfront, the specific issues for each Site and Unit have been summarized in a table form. The specific issues for each Site and Unit include concerns identified during the site inspection as well as information from the review of previous reports (including the specific contaminants detected above their respective Action Levels and the corresponding media [surface or subsurface soil and/or groundwater]). The following table summarizes the specific issues for each Site and Unit as identified during this Phase II ESA:



Reference	Recognized Environmental Conditions	Recommendation
<b>Site 1 – Unit 2</b>		
LUST Site Clayton ID: S1U2B	Former LUST, previously identified as Tank B removed in August 1993. Field and laboratory results indicate petroleum contamination in the main UST excavation as well as to the south and west. Full delineation to the north was not completed due to a building in the proximity.	Following building removal to the north of LUST site, perform subsurface soil and groundwater investigation to assess the current impacts since the last analytical results for the LUST site were collected in October 1993.  <u>References:</u> Cotton and Frazier Consultants , Inc., UST Closure Report (August 1993)  Cotton and Frazier Consultants , Inc., UST Release Response Report (October 1993)
Metals Impacted Soil/Ash	Two previous limited environmental assessments document surface and subsurface soil with lead, arsenic, TPH, and possibly VOC impacts. Visible ash observed in the UST excavation during closure activities.	Compile data from previous investigations to assess data requirements with respect to full delineation of impacts from metals and other constituents.  Perform environmental investigation to assess the impacts.  Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.  <u>References:</u> Muranaka Environmental Consultants, Inc. (June 1998)  Edward K. Noda (July 1999)
Existing Monitoring Wells	Existing monitoring wells at the site, some may be in the vicinity of the LUST site. Wells require proper abandonment.	Properly close and document monitoring well closure activities. Assess data needs prior to plan for possible sampling of wells.  <u>Reference:</u> Clayton Phase I ESA (January 2006)



Reference	Recognized Environmental Conditions	Recommendation
<b>Site 1 – Unit 4</b>		
Metals Impacted Soil/Ash	One previous limited environmental assessment documented surface and subsurface soil with lead and TPH impacts. Suspected that entire Unit underlain with ash.	<p>Perform environmental investigation to assess the metals and petroleum constituent impacts.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p> <p><u>Reference:</u> Edward K. Noda (July 1999)</p>
PCB Impacted Soil	Spill from PCB containing transformer cleaned up to standard of less than 10 parts per million (ppm – mg/kg). Analytical results for soil samples had concentrations of PCBs from non-detect to 4.7 mg/kg in the area. Current DOH EAL for PCB = 1.1 mg/kg.	<p>Perform environmental investigation to assess the PCB impacts.</p> <p><u>Reference:</u> Memorandum from Tim O'Callaghan, Environmental Compliance Officer for University of Hawaii, dated April 23, 1997</p>
<b>Site 2 – Unit 6</b>		
LUST Site Clayton ID: S2U6A	<p>Former LUST sites, previously identified as Location A and Location B, removed in approximately 1985. LUST site Location B assigned a No Further Action status by DOH.</p> <p>LUST site Location A field and laboratory results indicate petroleum contamination and related constituent impacts in the main UST excavation.</p> <p>Recommended additional monitoring well installation to determine the extent of the contaminant plume.</p>	<p>Perform subsurface soil and groundwater investigation to assess the current impacts.</p> <p><u>References:</u> Masa Fujioka and Associates (January 1993) Muranaka Environmental Consultants, Inc. (June 1999)</p>



Reference	Recognized Environmental Conditions	Recommendation
Metals Impacted Soil/Ash	<p>One previous limited environmental assessment documented a high concentration of lead in one out of eight shallow subsurface soil samples. Also documented ethylbenzene in groundwater above Action Levels.</p> <p>The Targeted Brownfields Assessment Report documented elevated lead contamination ("hot spot") in surface soil along the southern property fence line with the Unit 7 property. The Report documented subsurface soil in one location with arsenic impacts. Also indicates low concentrations of TPH diesel present throughout the property. Possible TPH and arsenic impacts to groundwater.</p> <p>Preliminary Recommendations for Remedial Alternatives proposed for both Unit 6 and Unit 7. Remedial alternatives included (1) capping in place, (2) selective removal with onsite isolation and capping, (3) excavation and offsite disposal, and (4) no remedial action.</p>	<p>Assess revised Kaka'ako Waterfront Development Plans with respect to proposed remedial action alternatives.</p> <p>Evaluate and implement remedial alternatives as required.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p> <p><u>References:</u> Edward K. Noda (July 1999)</p> <p>Ecology and Environment, Inc. (July 2005) – Targeted Brownfields Assessment Report and</p> <p>Ecology and Environment, Inc. (July 2005) – Preliminary Recommendations for Remedial Alternatives Report</p>
<b>Site 2 – Unit 7</b>		
Metals Impacted Soil/Ash	<p>One previous limited environmental assessment documented surface and subsurface soil with lead and arsenic impacts.</p> <p>The Targeted Brownfields Assessment Report documented elevated lead, arsenic, and TPH concentrations in surface soil across Unit 7. Limited subsurface lead and arsenic impacts. Possible groundwater impacts from petroleum constituents.</p> <p>Preliminary Recommendations for Remedial Alternatives proposed for</p>	<p>Perform environmental investigation to assess the metals and solvent impacts associated with shipyard activities.</p> <p>Assess revised Kaka'ako Waterfront Development Plans with respect to proposed remedial action alternatives.</p> <p>Evaluate and implement remedial alternatives as required.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p>



Reference	Recognized Environmental Conditions	Recommendation
Metals Impacted Soil/Ash  (Continued)	both Unit 6 and Unit 7. Remedial alternatives included (1) capping in place, (2) selective removal with onsite isolation and capping, (3) excavation and offsite disposal, and (4) no remedial action.  Previous environmental investigations may have excluded other metals or solvents commonly associated with shipyard activities from assessment.	<u>References:</u>  Edward K. Noda (July 1999)  Ecology and Environment, Inc. (July 2005) – Targeted Brownfields Assessment Report and  Ecology and Environment, Inc. (July 2005) – Preliminary Recommendations for Remedial Alternatives Report
Sandblast Grit	Kewalo Shipyard facility includes boat sandblasting activities. Sandblast grit may be impacted by metals and other regulated substances.	Assess sandblast grit for metals and other regulated substances. Collect soil samples to assess leaching concerns. Dispose of sandblast grit.  <u>Reference:</u> Clayton Phase I ESA (Clayton 2006)
<b>Site 2 – Unit 8</b>		
LUST Site  Clayton ID: S2U8A	Former LUST site. Four USTs removed from one pit in 1998.  UST Closure Report documents field observations and analytical results indicating petroleum impacts to soil and groundwater.  Release Response Report documents soil and groundwater impacted with petroleum constituents in the area surrounding the former UST pit.  Recommendations of additional soil excavation and assessment of petroleum impacts were not implemented.	Perform subsurface soil and groundwater investigation to assess the lateral impacts of petroleum and related constituents.  <u>References:</u>  WMF Hawaii (November 1998) – UST Closure Report  WMF Hawaii (July 1999) – Release Response Report





Reference	Recognized Environmental Conditions	Recommendation
Metals Impacted Soil/Ash	<p>One previous limited environmental assessment documented surface soil with lead impacts. One storm drain sediment sample with a high concentration of TRPH.</p> <p>Two previous Site Characterizations document surface soils impacted with lead, PAHs, and TPH; subsurface soils impacted with lead, arsenic, and PAHs; and groundwater possibly impacted with metals.</p> <p>Preliminary Recommendations for Remedial Alternatives proposed for Unit 8. Remedial alternatives included (1) capping in place, (2) selective removal with onsite isolation and capping, (3) excavation and offsite disposal, and (4) no remedial action.</p>	<p>Assess revised Kaka'ako Waterfront Development Plans with respect to proposed remedial action alternatives.</p> <p>Evaluate and implement remedial alternatives as required.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p> <p><u>References:</u></p> <p>Edward K. Noda (July 1999)</p> <p>AMEC Earth and Environmental (May 2002) – Brownfield Unit 8 Site Characterization Study</p> <p>Ecology and Environment, Inc. (January 2004 Draft) – Supplemental Phase 2 Targeted Brownfields Assessment</p> <p>Ecology and Environment, Inc. (April 2004) – Preliminary Recommendations for Remedial Alternatives</p>
Hydraulic Lift	Below-grade hydraulic lift, possibly PCB containing.	<p>Remove lift and collect soil and groundwater samples to assess for possible PCB and petroleum hydrocarbon impacts.</p> <p><u>Reference:</u></p> <p>Clayton Phase I ESA (Clayton 2006)</p>
Previous Oil Staining on Pavement	Area previously identified as impacted by oil staining on pavement. Area could not be inspected during site inspection activities for this Phase I ESA.	<p>Recommend further assessment following removal of trash and debris in area south of former Kane's Fish Market.</p> <p><u>Reference:</u></p> <p>Clayton Phase I ESA (Clayton 2006)</p>



Reference	Recognized Environmental Conditions	Recommendation
<b>Site 3 – Unit 1</b>		
<p>LUST Site</p> <p>Clayton ID: S3U1D</p>	<p>Former LUST, previously identified as Tank D removed in August 1993. Field and laboratory results indicate petroleum contamination in the main UST excavation as well as to the west and north. Full delineation to the south was not completed due to a building in the proximity.</p> <p>Site characterization and remediation (air sparging) activities performed. Site assigned a No Further Action status by DOH.</p> <p>However, full lateral assessment and delineation were not performed to the south due to a building to the south of the UST pit.</p>	<p>All buildings have been removed from Unit 1, but there may be soil or gravel piles or equipment in the area of the LUST site.</p> <p>Perform subsurface soil and groundwater investigation to assess the current impacts since the last analytical results for the LUST site were collected in October 1993.</p> <p><u>References:</u></p> <p>Cotton and Frazier Consultants , Inc., - UST Closure Report (August 1993)</p> <p>Cotton and Frazier Consultants , Inc., - UST Release Response Report (October 1993)</p> <p>Cotton and Frazier Consultants, Inc.- Site Characterization Report (August 1994)</p> <p>Cotton and Frazier Consultants, Inc. - Release Response Progress Report (December 1995)</p>
<p>Metals Impacted Soil/Ash</p>	<p>One previous limited environmental assessment documented shallow subsurface soil impacts from lead and chromium. One storm drain sediment sample with a high concentration of dieldrin and lead. A second storm drain sediment sample with a high concentration of TRPH.</p> <p>Report recommended (1) delineation of lead impacted soil in south portion of Unit 1 (south end by former refuse yard), (2) characterization and disposal of sediment from storm drain 1 (SD1)</p>	<p>Perform environmental investigation to assess the metals and petroleum constituent impacts.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p> <p><u>References:</u></p> <p>Edward K. Noda (July 1999)</p> <p>Environet, Inc. (September 2005) – Work Plan</p>



Reference	Recognized Environmental Conditions	Recommendation
Metals Impacted Soil/Ash  (Continued)	impacted with dieldrin (note: dieldrin is a listed hazardous waste – P037), (3) characterization and disposal of sediment from storm drain 2 (SD2) impacted with petroleum hydrocarbons.  Work Plan written by Environet, Inc, for characterization activities in Unit 1.	
<b>Site 3 – Unit 3</b>		
LUST Site  Clayton ID: S3U3C	Former LUST, previously identified as Tank C removed in August 1993. Field and laboratory results indicate petroleum contamination in the main UST excavation. Full delineation to the east, west, and south was not completed due to a building in the proximity.	The building has been removed from the LUST site, but a concrete foundation may still exist.  Perform subsurface soil and groundwater investigation to assess the current impacts since the last analytical results for the LUST site were collected in October 1993.  <u>References:</u> Cotton and Frazier Consultants , Inc., - UST Closure Report (August 1993)  Cotton and Frazier Consultants , Inc., - UST Release Response Report (October 1993)
Three USTs removed in 1999 or 2000  Clayton ID: S3U3A	Subsurface soil and groundwater may be impacted with petroleum constituents. No closure documentation located for UST location.	Locate UST closure documentation for technical review.  Perform subsurface soil and groundwater investigation if documentation not located.  <u>Reference:</u> Clayton Phase I ESA (Clayton 2006)



Reference	Recognized Environmental Conditions	Recommendation
Metals Impacted Soil/Ash	<p>One previous limited environmental assessment documented shallow subsurface as well as subsurface soil impacts from lead.</p> <p>Sediment samples from three drains had elevated TRPH concentrations indicating there was most likely uncontrolled releases of petroleum during operations in Unit 3.</p> <p>Subsurface investigation on southern half of Unit 3 documents lead impacted soil. Report notes the presence of buried ash throughout the southwestern portion of Unit 3 which indicates it was part of the Kewalo Landfill disposal area.</p> <p>Work Plan written by Environet, Inc, for characterization activities in Unit 3.</p>	<p>Perform environmental investigation to assess the metals and petroleum constituent impacts.</p> <p>Implement Soil Management Plan and Exposure Prevention Management Plan during construction activities.</p> <p><u>References:</u></p> <p>Edward K. Noda (July 1999)</p> <p>Masa Fujioka &amp; Associates (October 2002)</p> <p>Environet, Inc. (September 2005) – Work Plan</p>
Stained Pavement	Heavy surface staining, primarily on asphalt-paved areas along the northwest side and central area of the former Corporation Yard.	<p>Recommend proper removal and disposal of the stained pavement. Following the removal of the stained pavement, perform an assessment of potential impacts to the underlying soil.</p> <p><u>Reference:</u></p> <p>Clayton Phase I ESA (January 2006)</p>
Existing Cesspool	Suspected cesspool associated with former building on Unit 3.	<p>Recommend sampling and analysis of the contents of the cesspool, followed by proper closure.</p> <p><u>Reference:</u></p> <p>Clayton Phase I ESA (January 2006)</p>
<b>Site 4 –Unit 9</b>		
N/A	N/A	N/A



Reference	Recognized Environmental Conditions	Recommendation
<b>Site 4 – No Unit</b>		
Power House Structure with Generator in Front of NOAA Facility	Subsurface soil and groundwater may be impacted with petroleum constituents and/or PCBs.	<p>Perform environmental investigation to assess the petroleum and PCB impacts.</p> <p><u>Reference:</u> Clayton Phase I ESA (January 2006)</p>
<b>General</b>		
Methane	Disposal of various types of unburned garbage, refuse, and debris in portions of Sites 1, 2, and 3. Potential for methane gas generation and accumulation in future structures and subsurface utility spaces.	<p>Perform a soil gas survey to assess the methane concentrations across the subject property.</p> <p>Compare soil gas concentrations to DOH EALs for Potential Vapor Intrusion Concerns.</p> <p><u>References:</u> Muranaka Environmental Consultants, (June 1998)  Masa Fujioka &amp; Associates, (October 2002)  Clayton Phase I ESA (January 2005)</p>
Storm Drain Sediments Catch Basin Sediments	Storm drains and catch basins observed throughout the subject property in proximity to current and former industrial facilities. Possible environmental impacts include metals, pesticides, and petroleum hydrocarbons of sediments within storm drain system.	<p>Perform assessment of storm drains and catch basins. Dispose of sediments according to assessment results. Document sampling, cleanup, and disposal activities.</p> <p><u>Reference:</u> Edward K. Noda (July 1999)</p>



Reference	Recognized Environmental Conditions	Recommendation
Kewalo Basin Sediments – Submerged Lands	Storm drains with possible impacts listed above drain directly into Kewalo Basin. Possible environmental impacts include metals, pesticides, and petroleum hydrocarbons of sediments within Kewalo Basin.	Should redevelopment plans include activities that would disturb sediments within Kewalo Basin in areas of storm drain discharges, conduct an investigation of the sediments to assess the potential impacts by metals, pesticides, and petroleum hydrocarbons.  <u>Reference:</u> Clayton Phase I ESA (January 2006)
Migration of Contaminants from Offsite	Adjoining properties hydrologically up-gradient to the subject property have the potential to impact the subject property.	Perform a subsurface soil and groundwater investigation at the north, northeast, and northwest property boundaries.  Implement Soil Management Plan to assess potential impacts during construction activities.  <u>Reference:</u> Clayton Phase I ESA (January 2006)
Unknown Subsurface Structures	Potential that additional subsurface structures (such as USTs and hydraulic lifts) may exist onsite that were not identified during previous environmental investigations.	Recommend that all demolition and excavation activities for the proposed redevelopment be monitored for buried structures such as USTs and hydraulic lifts, as well as visually impacted soil.  <u>Reference:</u> Clayton Phase I ESA (January 2006)
Monitoring Wells; Drywells; UIC Wells	Several groundwater monitoring wells, drywells, and UIC wells were observed across the subject property	Recommend proper abandonment of wells to prevent unauthorized releases into wells and subsurface.  <u>Reference:</u> Clayton Phase I ESA (January 2006)



This report prepared by: \_\_\_\_\_  
Tim Swartz  
Project Manager  
Environmental, Health, and Safety

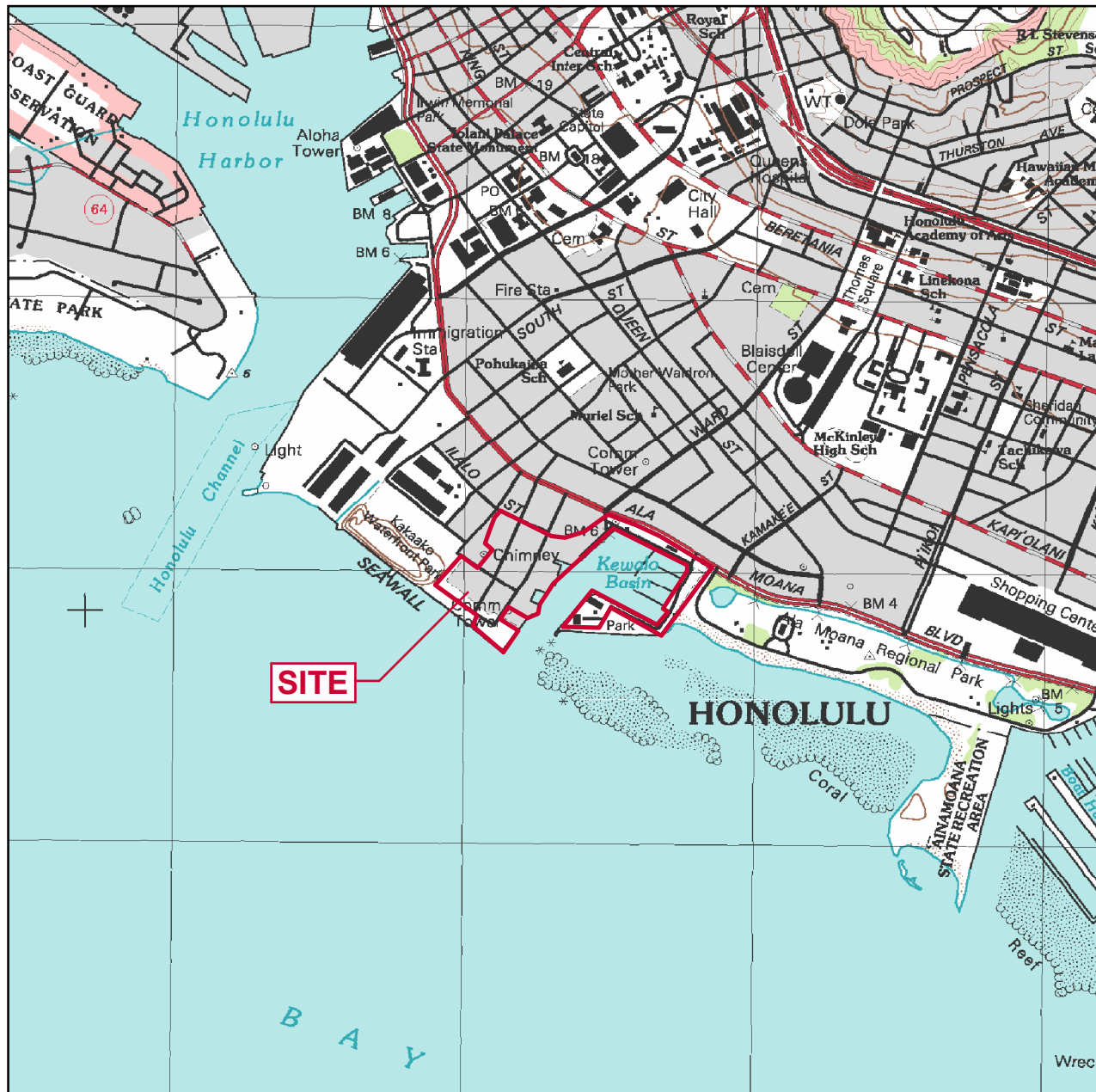
This report prepared by: \_\_\_\_\_  
Michael J. Kelley  
Project Geologist  
Environmental, Health, and Safety

This report reviewed by: \_\_\_\_\_  
Daniel P. Ford, R.G.  
Regional Director  
Environmental, Health, and Safety  
  
January 23, 2006

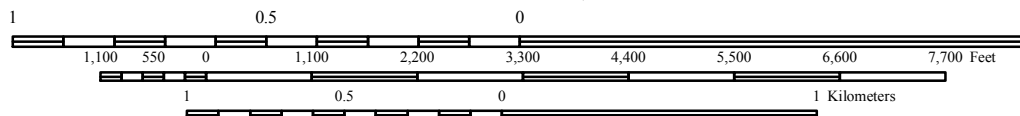




## FIGURES



SCALE 1:24,000



Portion of 7.5-minute Series (Topographic) Maps  
 United States Department of Interior  
 United States Geological Survey  
 Honolulu Quadrangle, Honolulu County, Hawaii  
 1998



**BUREAU  
VERITAS**

Project No.:  
85-06123.00

Date:  
01/19/2006

Revised By:  
RC

Checked By:  
TS

Title:

**Site Location Map**

Location:

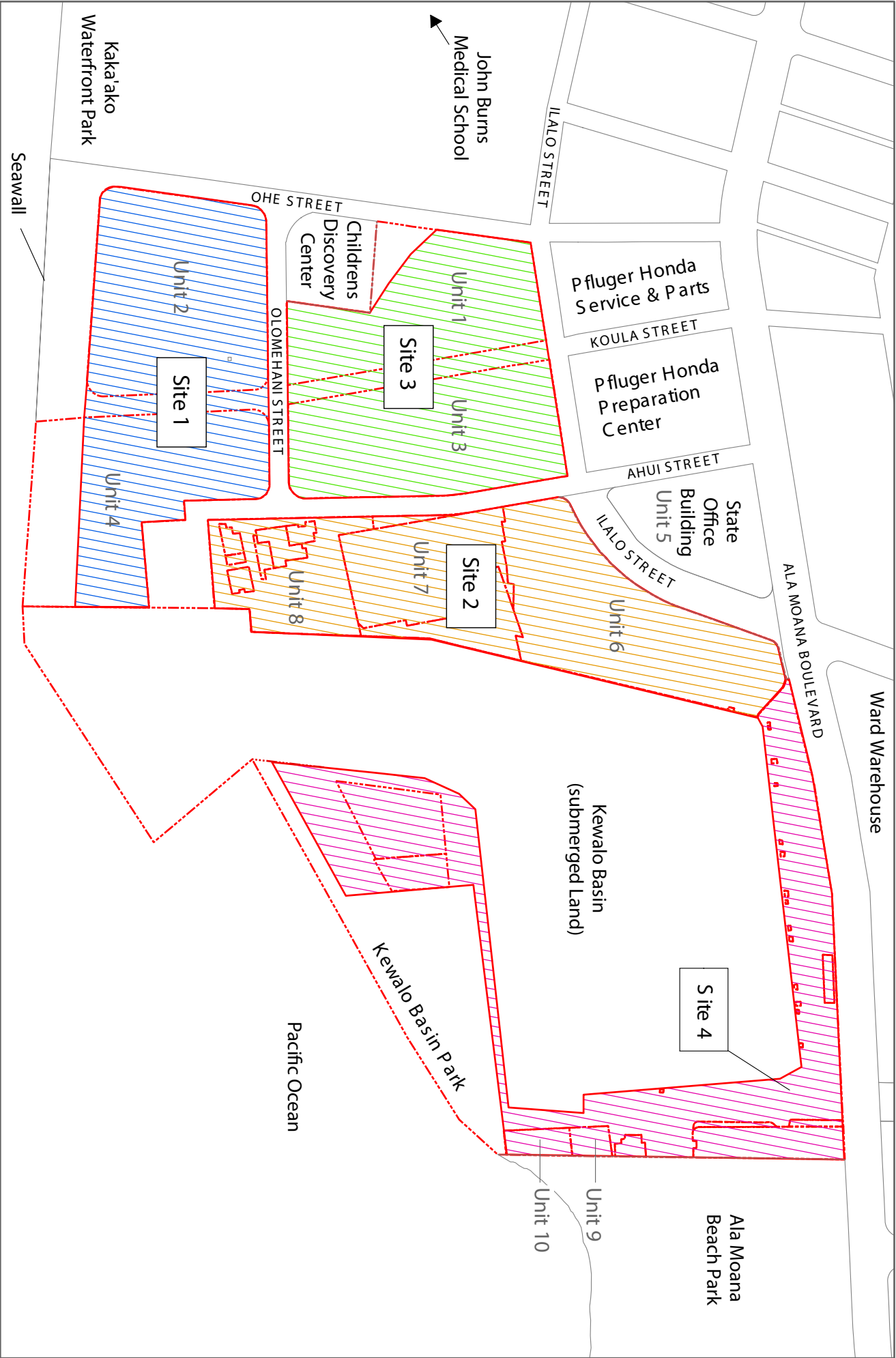
**Kaka'ako Waterfront Redevelopment  
 Honolulu, Oahu, Hawaii**

Client:

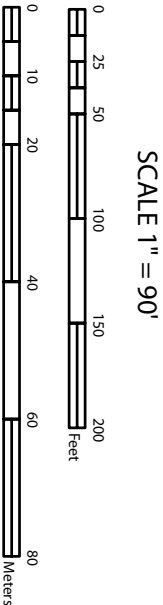
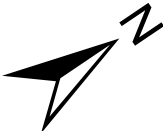
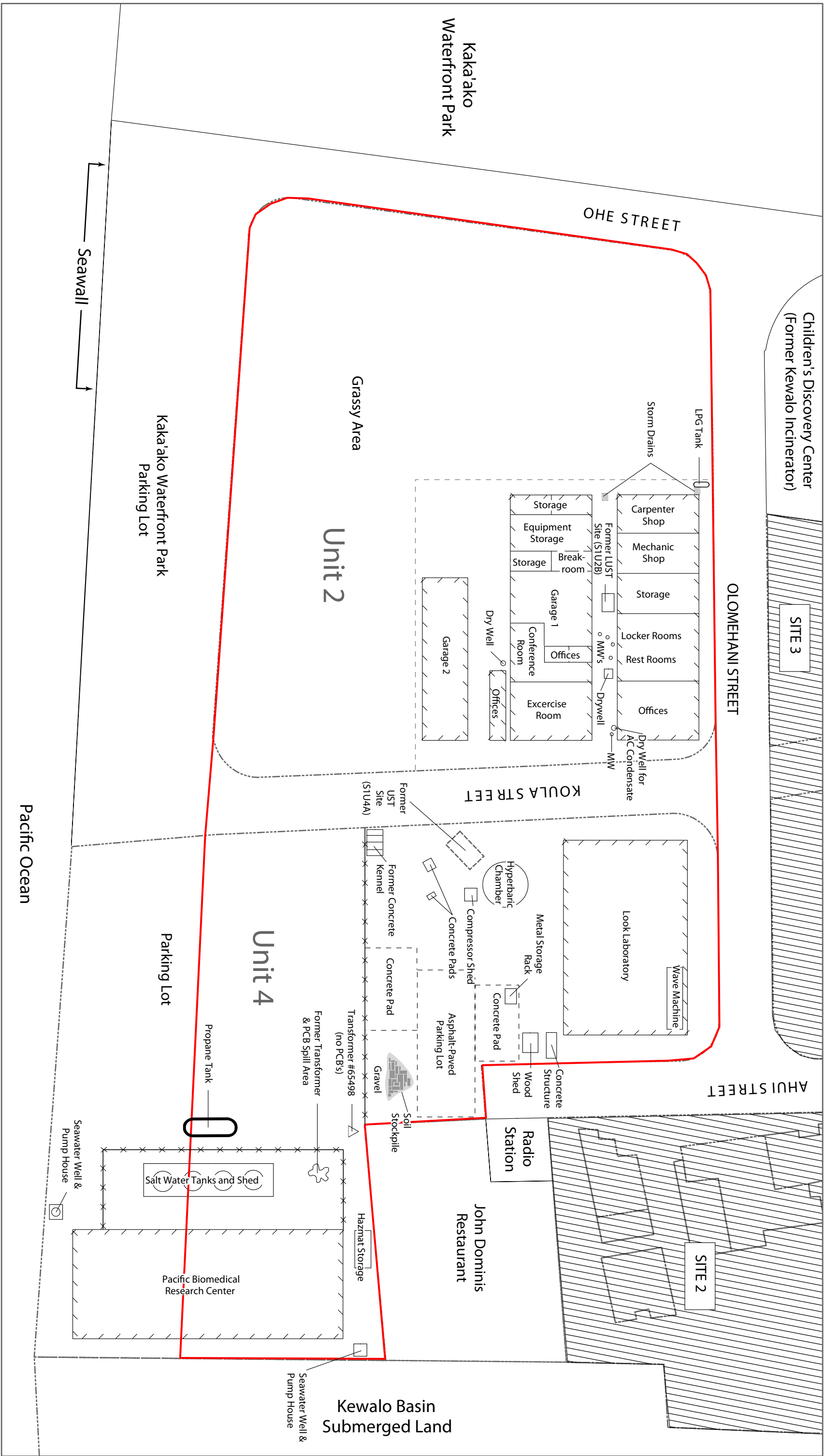
**Alexander & Baldwin, Inc.**


**FIGURE**

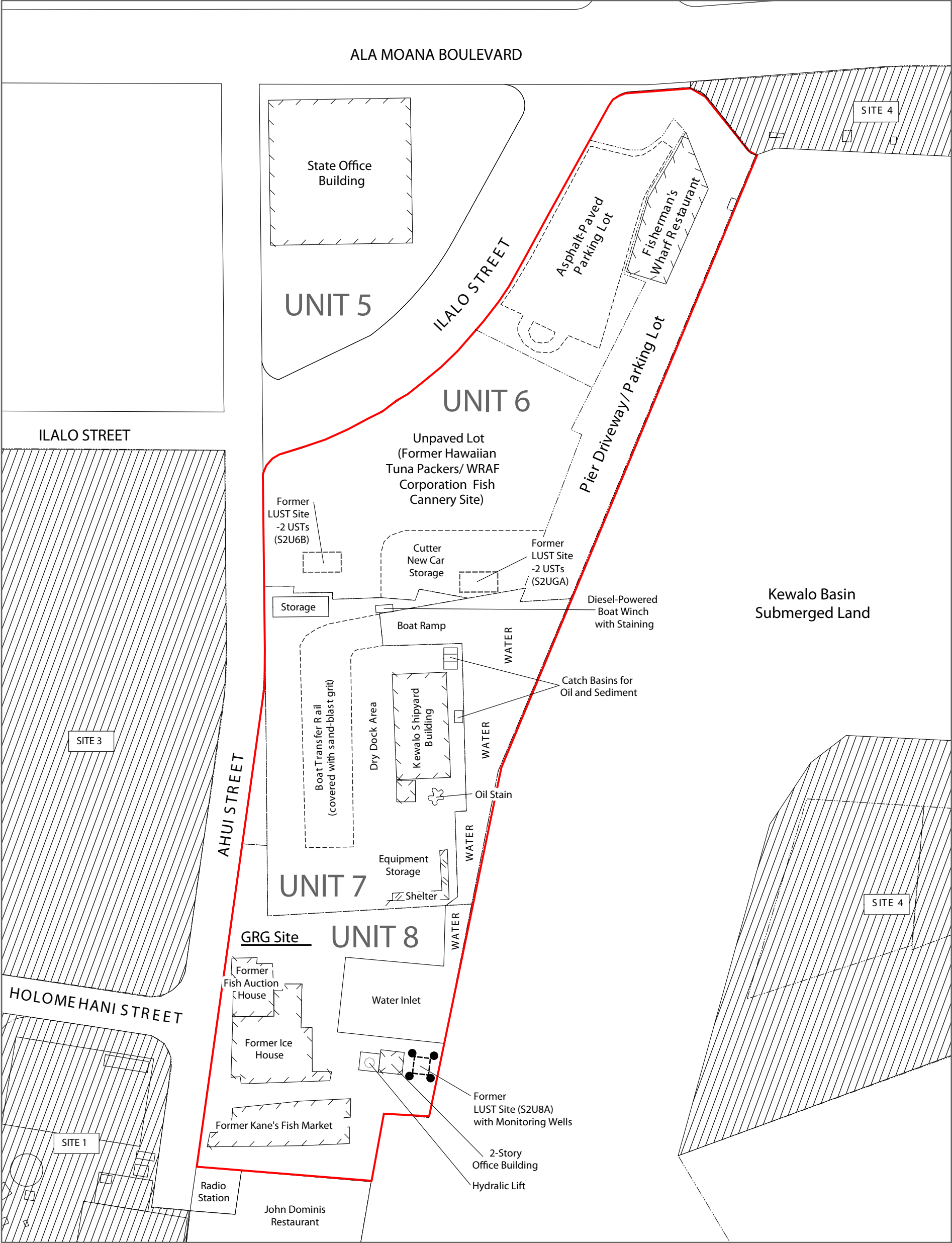
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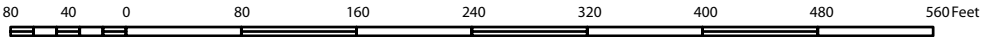
<div><div><div><div><div><div><span></span></div><div>BUREAU</div><div>VERITAS</div></div></div><div><div><div><span></span></div><div>1928</div></div></div></div></div><div>Project No.: 85-06123.00</div></div>		Title: Site Map	
Date: 01/19/2006		Location: Kaka'ako Waterfront Redevelopment	
Revised By: RC		Honolulu, Oahu, Hawaii	
Checked By: TS		Client: Alexander and Baldwin, Inc.	
		FIGURE 2	




 <div><div>BUREAU</div><div>VERITAS</div></div>		Project No.:		Title:		FIGURE  3
85-06123.00		Site 1				
Date:		Location:				
01/13/2006		Kaka'ako Waterfront Redevelopment				
Revised By:		Honolulu, Oahu, Hawaii				
RC						
Checked By:		Client:				
TS		Alexander & Baldwin, Inc.				

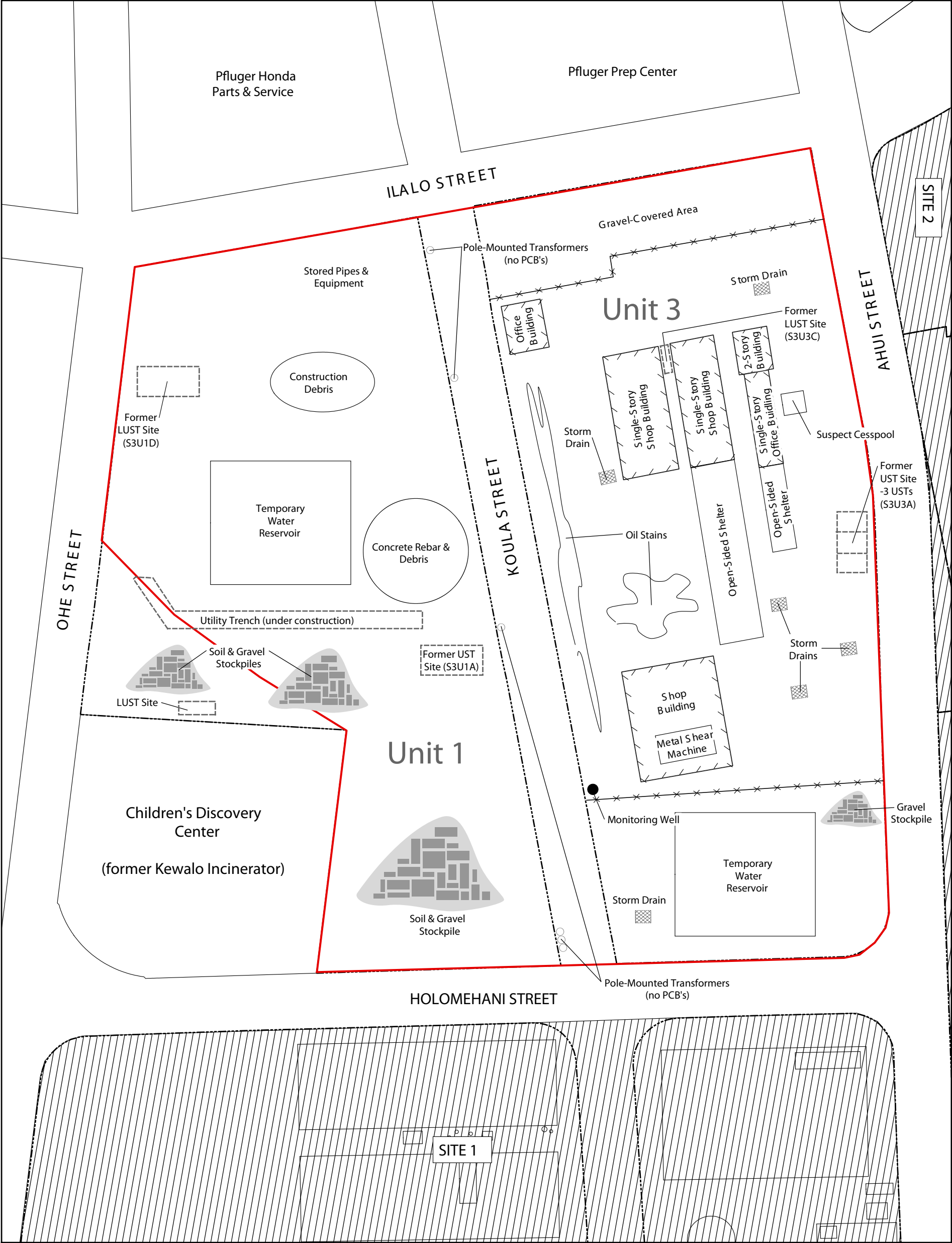


SCALE 1" = ~ 133'

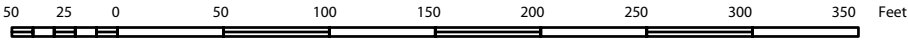



	Project No.: 85-06123.00	Title: Site 2	FIGURE 4
	Date: 01/13/2006	Location: Kaka'ako Waterfront Redevelopment Honolulu, Oahu, Hawaii	
	Revised By: RC	Client: Alexander & Baldwin, Inc.	
	Checked By: TS		

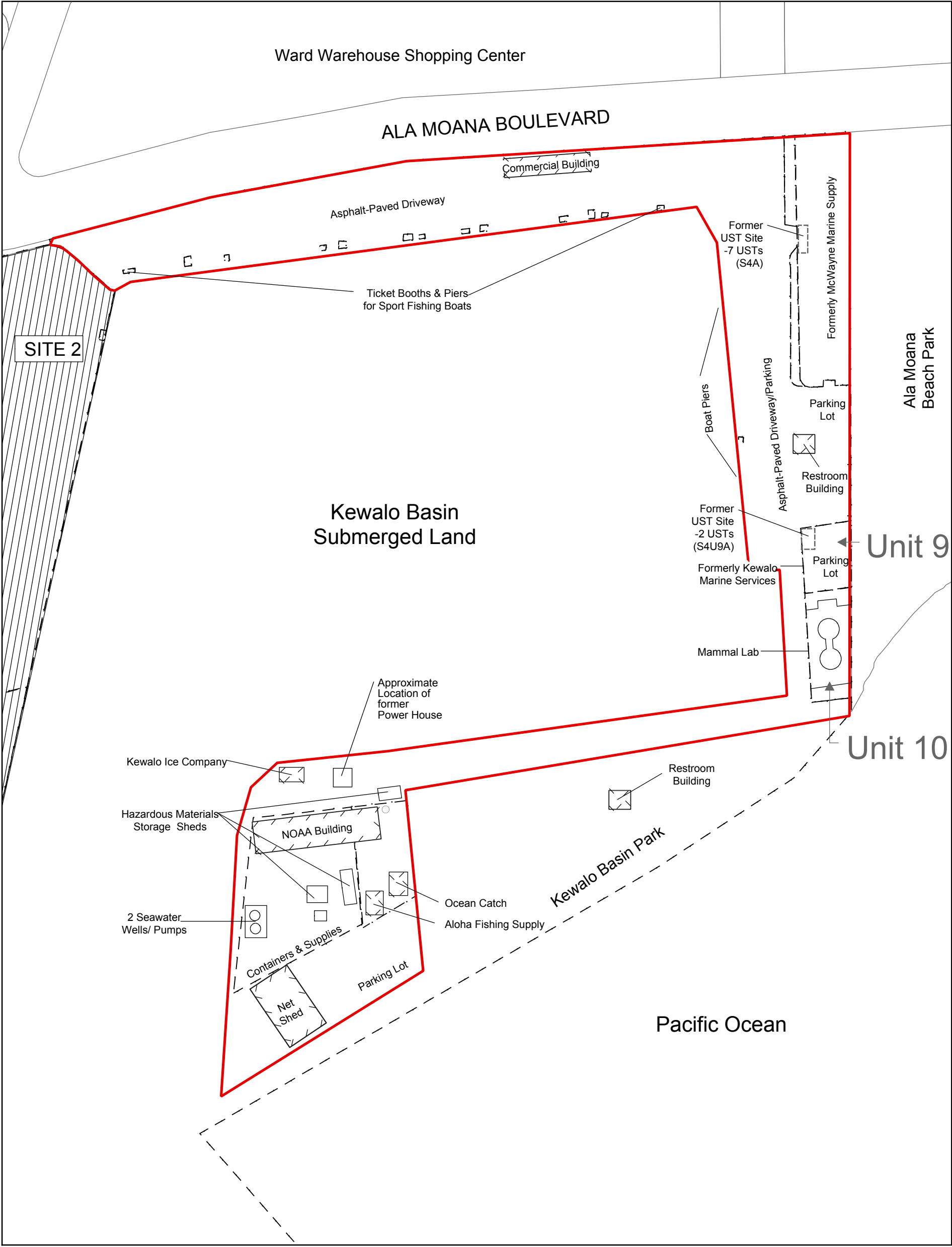




SCALE 1" = 90'



	Project No.:	Title:	<b>Site 3</b>	<b>FIGURE 5</b>
	85-06123.00			
	Date:	Location:		
	01/13/2006	Kaka'ako Waterfront Redevelopment Honolulu, Oahu, Hawaii		
	Revised By:			
	RC			
	Checked By:	Client:		
	TS	Alexander & Baldwin, Inc.		

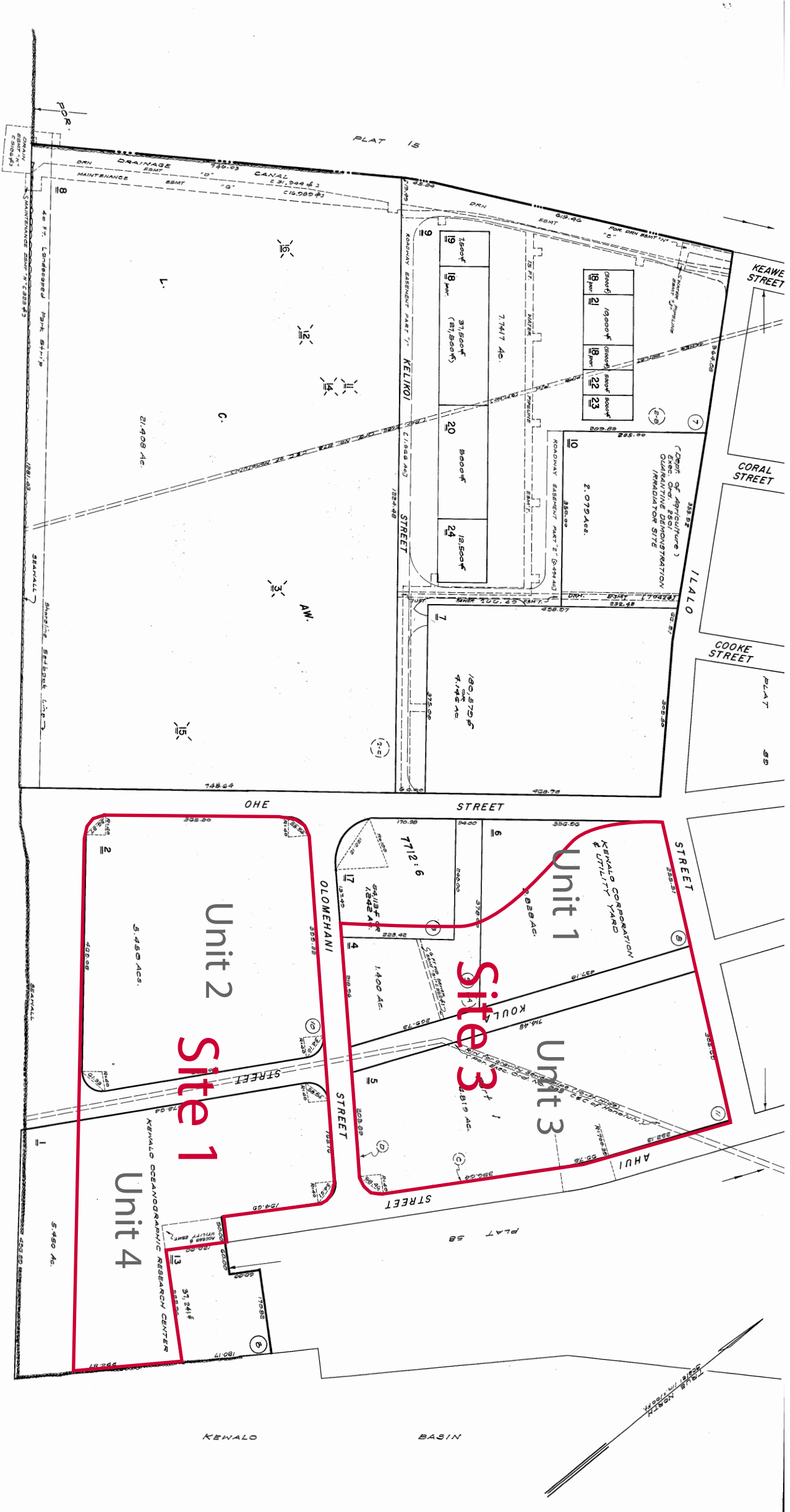


SCALE 1= 1,700

80 40 0 80 160 240 320 400 480 560 Feet

	Project No.: <b>85-06123.00</b>	Title: <b>Site 4</b>	<b>FIGURE 6</b>
	Date: <b>01/19/2006</b>	Location: <b>Kaka'ako Waterfront Redevelopment Honolulu, Oahu, Hawaii</b>	
	Revised By: <b>RC</b>	Client: <b>Alexander &amp; Baldwin, Inc.</b>	
	Checked By: <b>TS</b>		





POR. KAKAUKUKUI, HONOLULU, OAHU (Formerly por. 2 - 1 - 58)

		Project No.: 85-06123.00		Title:	Tax Map for Sites 1 & 3
Date: 01/19/2006		Location:		Kaka'ako Waterfront Redevelopment Honolulu, Oahu, Hawaii	
Revised By: RC		Client:			
Checked By: TS					
FOR REAL PROPERTY TAXATION PURPOSES SUBJECT TO CHANGE					
NOTE: All lots owned by State of Hawaii.					
DEPARTMENT OF TAXATION TAXATION MAPS BUREAU STATE OF HAWAII TAX MAP FIRST TAXATION DIVISION ZONE SEC. PLAT 2 1 60					
FIGURE 7					





## PHOTOGRAPHS



## **Site 1, Unit 2**

**Photographs 1 through 12**



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Overview of DWWM Facility on Unit 2 of Site 1, looking north	<b>Photo 1</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Area of former LUST site in front of Office/Shop building at DWWM facility	<b>Photo 2</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Groundwater monitoring well associated with former LUST site	<b>Photo 3</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Dry well in front of Office/Shop building at DWWM facility	<b>Photo 4</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Mechanic's Shop inside Office/Shop building at DWWM facility	<b>Photo 5</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Solvent parts washer in Mechanic's Shop	<b>Photo 6</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Chemical containers in storage room of Office/Shop building	<b>Photo 7</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	55-gallon oil drum (in use) in Garage 1 at DWW facility	<b>Photo 8</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005




<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Liquid propane gas AST at north corner of DWW facility	<b>Photo 9</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of Garage 2 structure at DWW facility	<b>Photo 10</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Storage area for asphalt, sand, gravel, and soil at west corner of DWWM facility	<b>Photo 11</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005
			
<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Grassy lawn area on northwest side of DWWM facility, looking northeast	<b>Photo 12</b>
	<b>Site Name</b>	Site 1, Unit 2, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



**Site 1, Unit 4**

**Photographs 13 through 34**



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Overview of Look Laboratory and hyperbaric chamber with adjoining yard area in foreground, looking northeast	<b>Photo 13</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005
A closer view of the white hyperbaric chamber, showing its cylindrical shape and the metal platform at the top. It is situated next to a smaller, attached structure with a brown roof. The foreground is filled with tall, green grass. The sky is blue with white clouds.			
<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of hyperbaric chamber and attached compressor shed	<b>Photo 14</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	UH Wind/Solar Research building near east corner of Look Lab yard area	<b>Photo 15</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	3-sided concrete structure at east corner of Look Lab yard area	<b>Photo 16</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former dog kennel structure at west corner of Look Lab yard area	<b>Photo 17</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Concrete slab remnant of former structure on northwest portion of Look Lab yard area	<b>Photo 18</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Piles of soil, rock, and asphalt on southern portion of Look Lab yard area	<b>Photo 19</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Interior of Look Laboratory building with stored furniture/materials	<b>Photo 20</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of PBRC facility on southern portion of Unit 4, looking southeast	<b>Photo 21</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Saltwater fish tanks in fenced-in area fronting PBRC building	<b>Photo 22</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Research tanks on third floor lanai of PBRC building	<b>Photo 23</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Interior of pump house/saltwater well near east corner of PBRC facility	<b>Photo 24</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Saltwater discharge trench along northeast side of PBRC building	<b>Photo 25</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Hazardous materials/flammable storage shed on northeast portion of PBRC facility	<b>Photo 26</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Area of former HECO transformer/PCB release (cleaned up) on north portion of PBRC facility	<b>Photo 27</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Pad-mounted HECO transformer (no PCBs) on north portion of PBRC facility	<b>Photo 28</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Liquid propane gas AST on northwest portion of PBRC facility	<b>Photo 29</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	X-ray developing room on second floor of PBRC building	<b>Photo 30</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Typical laboratory on third floor of PBRC building	<b>Photo 31</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	55-gallon drum of ethidium bromide dry waste in third floor laboratory of PBRC building	<b>Photo 32</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Chemicals stored in flammable storage cabinet in first floor laboratory of PBRC building	<b>Photo 33</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	John Dominis Restaurant (offsite) located northeast of PBRC facility	<b>Photo 34</b>
	<b>Site Name</b>	Site 1, Unit 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



## **Site 2, Unit 6**

**Photographs 35 through 44**





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Parking lot on northeast portion of Unit 6, looking northeast	<b>Photo 35</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Unpaved central and northeast portions of Unit 6, looking northeast	<b>Photo 36</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Unpaved central portion of Unit 6 with storage of new Cutter cars shown in background, looking west	<b>Photo 37</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Area of former LUST site (under office trailer), near west corner of Unit 6	<b>Photo 38</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Overview of Fisherman's Wharf Restaurant adjacent to Unit 6 on Site 2, looking north	<b>Photo 39</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Dining area on ground floor of Fisherman's Wharf Restaurant	<b>Photo 40</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Kitchen area on ground floor of Fisherman's Wharf Restaurant	<b>Photo 41</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Grease trap in kitchen of Fisherman's Wharf Restaurant	<b>Photo 42</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Cocktail lounge on second floor of Fisherman's Wharf Restaurant	<b>Photo 43</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Drum of food grease outside kitchen of Fisherman's Wharf Restaurant	<b>Photo 44</b>
	<b>Site Name</b>	Site 2, Unit 6, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



**Site 2, Unit 7**

**Photographs 45 through 58**





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Overview of Kewalo Shipyard facility (rear) and Kewalo Basin, looking west	<b>Photo 45</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Alternate view of Kewalo Shipyard facility, looking southwest	<b>Photo 46</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Transfer rail area covered with sandblast grit, located on northwest portion of Kewalo Shipyard facility, looking southwest	<b>Photo 47</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Diesel-powered boat winch (note stained concrete) by boat ramp at Kewalo Shipyard facility	<b>Photo 48</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Large oil/sediment catch basin near east corner of Kewalo Shipyard facility (not accessed)	<b>Photo 49</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Small oil/sediment catch basin on southeast side of Kewalo Shipyard facility	<b>Photo 50</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Storage building (formerly flammable storage) on north portion of Kewalo Shipyard facility	<b>Photo 51</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Boat repair area inside main Kewalo Shipyard building	<b>Photo 52</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Paints and thinners in storage shed on southeast side of Kewalo Shipyard facility	<b>Photo 53</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Paint thinner recycling machine on southeast side of Kewalo Shipyard facility	<b>Photo 54</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Machine shop inside main Kewalo Shipyard building	<b>Photo 55</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Carpenter shop inside main Kewalo Shipyard building	<b>Photo 56</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Fabrication shop inside main Kewalo Shipyard building	<b>Photo 57</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Parking/storage area (covered with sandblast grit) located on southwest portion of Kewalo Shipyard facility, looking northwest	<b>Photo 58</b>
	<b>Site Name</b>	Site 2, Unit 7, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





## **Site 2, Unit 8**

**Photographs 59 through 70**



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former fish auction house with attached icehouse on northeast portion of former GRG facility	<b>Photo 59</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Two-story office building and old ice conveyor (on left), located on southeast portion of former GRG facility	<b>Photo 60</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



Clayton Project Number  85-06123.00	<b>Description</b>	Former LUST site on southeast portion of former GRG facility (note groundwater monitoring well in foreground)	<b>Photo 61</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



Clayton Project Number  85-06123.00	<b>Description</b>	Below-grade hydraulic lift (rusted steel plate) on concrete slab, located on northwest side of two-story office building at former GRG facility	<b>Photo 62</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Below-grade food grease interceptor on northwest side of former Kane's Fish Market building at former GRG facility	<b>Photo 63</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	One of two small utility vaults in concrete slab on northwest side of former icehouse at former GRG facility	<b>Photo 64</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Interior of former icehouse on northeast portion of former GRG facility	<b>Photo 65</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005

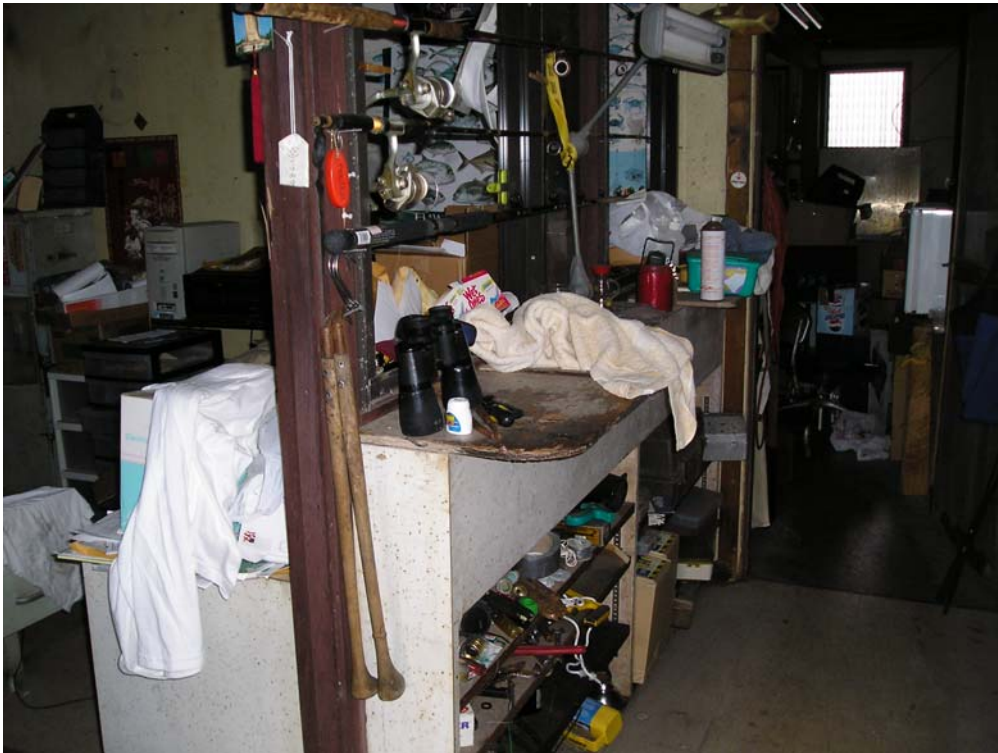


<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Ground floor inside former fish auction house on northeast portion of former GRG facility	<b>Photo 66</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Ground floor inside former Kane's Fish Market building on southwest portion of former GRG facility	<b>Photo 67</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Ground floor inside two-story office building on southeast portion of former GRG facility	<b>Photo 68</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Paved area on northeast side of former ice house at former GRG facility	<b>Photo 69</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Radio station (former UST site) located southwest of former GRG facility (offsite)	<b>Photo 70</b>
	<b>Site Name</b>	Site 2, Unit 8, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



### **Site 3, Unit 1**

**Photographs 71 through 76**





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Overview of Unit 1 on Site 3 from Ilalo Street, looking south	<b>Photo 71</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Northeast portion of Unit 1 undergoing redevelopment, looking east	<b>Photo 72</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Central portion of Unit 1 undergoing redevelopment, looking north	<b>Photo 73</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Temporary reservoir (for dewatering purposes) on southeast-central portion of Unit 1, looking north	<b>Photo 74</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Trenching activities for the installation of utilities on west-central portion of Unit 1, looking west	<b>Photo 75</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Southwest portion of Unit 1 (formerly part of Kewalo Incinerator facility), looking southwest	<b>Photo 76</b>
	<b>Site Name</b>	Site 3, Unit 1, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005




### **Site 3, Unit 3**

**Photographs 77 through 94**





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of northeast portion of Unit 3 on Site 3 (former City & County of Honolulu Corporation Yard), from Ilalo Street looking south	<b>Photo 77</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005
			
<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former office building on north portion of Unit 3, looking northwest	<b>Photo 78</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	One of two warehouse-type buildings located on northeast-central portion of Unit 3	<b>Photo 79</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Open-sided structure located on northeast-central portion of Unit 3, looking east	<b>Photo 80</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Oil-stained asphalt pavement on central portion of Unit 3	<b>Photo 81</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Oil-stained asphalt pavement on northwest portion of Unit 3	<b>Photo 82</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Metal shearing machine in open-sided structure, located on southwest-central portion of Unit 3	<b>Photo 83</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Open asphalt-paved area on southeast-central portion of Unit 3, looking northeast	<b>Photo 84</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Single-story office building with partial second floor on east-southeast portion of Unit 3, looking west	<b>Photo 85</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Suspect cesspool site on southeast side of east-southeast building on Unit 3	<b>Photo 86</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former UST site (with 3 USTs) on southeast portion of Unit 3	<b>Photo 87</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former LUST site between warehouse buildings on northeast-central portion of Unit 3	<b>Photo 88</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former paint booth in northeast-central warehouse-type building on Unit 3	<b>Photo 89</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former waste thinner storage area inside northeast-central warehouse-type building on Unit 3	<b>Photo 90</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Former shop area inside northeast-central warehouse-type building on Unit 3	<b>Photo 91</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Groundwater monitoring well near west corner of Unit 3	<b>Photo 92</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Typical storm drain opening on Unit 3	<b>Photo 93</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Temporary reservoir (for dewatering purposes) on southeast portion of Unit 3, looking north	<b>Photo 94</b>
	<b>Site Name</b>	Site 3, Unit 3, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



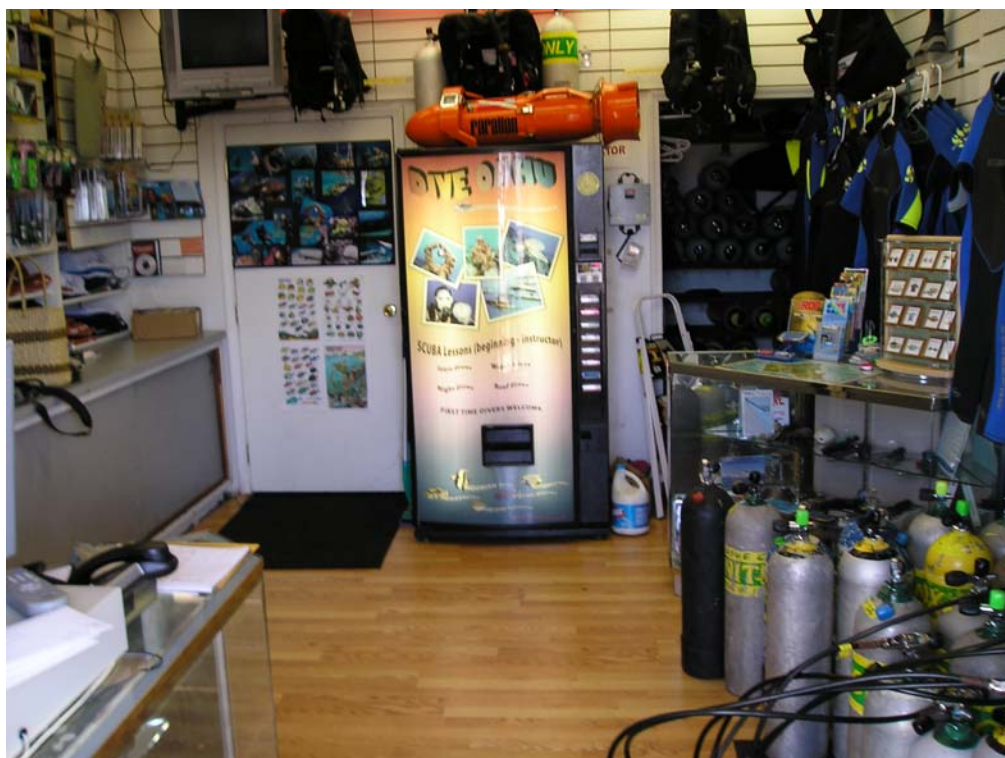
## **Site 4**

**Photographs 95 through 116**





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of commercial building on northeast portion of Site 4, looking east	<b>Photo 95</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Dive Hawaii business in Unit 102 of commercial building on northeast portion of Site 4	<b>Photo 96</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of sport fishing boat ticket booths along northeast side of Kewalo Basin on Site 4, looking west	<b>Photo 97</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	East portion of Site 4 (location of former McWayne Marine Supply facility), looking southeast	<b>Photo 98</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of Kewalo Basin boat harbor (submerged lands) adjacent to Site 4, looking northwest	<b>Photo 99</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Dolphin pools with observation deck at Mammal Lab facility on southeast portion of Site 4 (Unit 10)	<b>Photo 100</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Pool pump room at Mammal Lab facility on southeast portion of Site 4 (Unit 10)	<b>Photo 101</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Tool shed at Mammal Lab facility on southeast portion of Site 4 (Unit 10)	<b>Photo 102</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	View of State of Hawaii Net Shed on southwest portion of Site 4	<b>Photo 103</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Fenced-in storage area inside State of Hawaii Net Shed on southwest portion of Site 4	<b>Photo 104</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Main building at NOAA facility on southwest portion of Site 4, looking west	<b>Photo 105</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	DOT drum storage container on east portion of NOAA facility	<b>Photo 106</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	One of two hazardous materials storage sheds on southwest portion of NOAA facility	<b>Photo 107</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Open-sided storage shelter on southwest portion of NOAA facility	<b>Photo 108</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Emergency generator on southwest side of NOAA building	<b>Photo 109</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Buckets of marine animal tissue samples (in formalin) stored on southwest side of NOAA building	<b>Photo 110</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Marine animal pools and office trailers on southwest portion of NOAA facility	<b>Photo 111</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Flammable storage cabinets inside main NOAA building	<b>Photo 112</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005





<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Laboratory with flammable/corrosive chemical storage cabinets inside main NOAA building	<b>Photo 113</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	DOT Harbors space inside main NOAA building, with seawater valve/pipeline in floor	<b>Photo 114</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Aloha Fishing Supply business in building along southeast side of NOAA facility	<b>Photo 115</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



<b>Clayton Project Number</b>  85-06123.00	<b>Description</b>	Kewalo Ice Company structure on northeast side of NOAA facility	<b>Photo 116</b>
	<b>Site Name</b>	Site 4, Kaka'ako Waterfront Redevelopment, Honolulu, Hawaii	<b>Photo Date</b>
	<b>Client</b>	Alexander & Baldwin, Inc.	11/1/2005



## **APPENDIX A**

### **RESUMES OF ENVIRONMENTAL PROFESSIONALS**





## ***Daniel P. Ford, RG***

### ***Vice President, Director, Environmental Services***

M.B.A., With Distinction, 1999  
Hawaii Pacific University, Honolulu,  
Hawaii

B.A., Geology, 1985  
University of California, Berkeley,  
California

Registered Professional Geologist  
(R.G.), State of Kentucky, No. 0864,  
1993

OSHA 8-Hour Refresher Training,  
Annual

OSHA 8-Hour Supervisor Training, 1991

OSHA 40-Hour Hazardous Waste  
Operations and Emergency Response  
Training, 1988

Dan Ford has over 20 years of environmental consulting experience. He has assisted clients on regulatory strategy and has interfaced with U.S. Environmental Protection Agency (EPA) and state agencies on hundreds of projects. He is experienced in preliminary environmental site assessments (ESAs), subsurface investigations for soil and groundwater contamination, hydrogeologic studies, site characterizations, hazardous waste management, remedial investigation and feasibility studies, and remediation management. Mr. Ford has managed complex projects for private landowners, financial institutions, governmental agencies, and industrial clients.

Mr. Ford is also responsible for Clayton's operations in Honolulu, Hawaii and the Pacific Region. He supervises technical and administrative staff, prepares budgets and proposals, manages projects, conducts technical reviews of project submittals, and provides regulatory liaison assistance to clients. Mr. Ford's project experience extends throughout the Hawaiian Islands and the Pacific Basin, Australia, the Philippines, Japan, Guam, Saipan, the U.S. Mainland, and Central America.





## **Daniel P. Ford, RG**

### **Project Experience**

#### **Investigation and Remediation, Voluntary Response Program**

##### *Financial Services Industry*

Mr. Ford served as principal-in-charge of investigation and remediation of a former sugar mill property considered for redevelopment into a town center. He was responsible for coordination and oversight of the project team. The project involved technical review of previous environmental work, preparation of a preliminary assessment and site inspection (PA/SI), collection of over 1,000 soil samples, abatement of hazardous materials and demolition of existing structures, and preparation of a remedial investigation report, remedial alternatives analysis, public participation plan, and quantitative risk assessment. Advanced statistical methods were used in the risk assessment, which allowed a majority of the impacted soil to be managed in-place, thereby minimizing the remediation costs for the project. Mr. Ford conducted presentations to the neighborhood board, community association, and city vision teams.

#### **Investigation and Remediation, Voluntary Response Program**

##### *Real Estate and Financial Services*

Mr. Ford served as a principal-in-charge of investigation and remediation of a 35-acre industrial property on Oahu occupied by multiple commercial and industrial tenants. The project involved a technical review of previous environmental work and identification of data gaps, a remedial investigation, remedial alternatives analysis, and preparation of cost estimates for remediation. The documents and cost estimates were critical in facilitating the sale of the property within a specified schedule.

#### **Investigation, Remediation and Cost Recovery**

##### *Wood Treatment Facility*

Mr. Ford served as principal-in-charge of remedial investigation activities, remedial alternatives analysis and litigation support for a property formerly used as a wood treatment facility. The project involved soil and groundwater contaminated with arsenic, chromium, pentachlorophenol and dioxin. Mr. Ford provided overall coordination and supervision of the project team including engineers, geologists and toxicologists and reviewed all technical submittals. Mr. Ford assisted the client and legal team in preparation of various documents in support of litigation and cost recovery.

#### **Mergers and Acquisitions Due Diligence**

##### *Automotive Industry – Japan*

Mr. Ford conducted due diligence environmental audits for acquisition of an automotive manufacturer in Japan. Mr. Ford reviewed previous environmental audits, assessments, and environmental management programs; conducted comprehensive environmental audits; and assessed environmental liabilities and compliance issues at each of the facilities. These activities allowed the client to make strategic business decisions regarding the acquisition.

#### **Investigation and Remedial Planning**

##### *Agricultural Industry*

Mr. Ford served as a principal-in-charge of investigation and remedial planning of a former pesticide/herbicide mixing facility on the island of Maui. The project involved review of previous chemical storage and use at the facility, subsurface investigation, and analysis of remedial alternatives. The results of the subsurface investigation revealed that the underlying soils were impacted with DDT, DDE, pentachlorophenol and dioxin. Remedial alternatives and cost estimates were developed which allowed the client to make critical decisions regarding future development of the property.



## **Daniel P. Ford, RG**

### **Due Diligence for Acquisition**

#### *Palmyra Atoll*

Mr. Ford performed technical services related to the acquisition of Palmyra Atoll, an uninhabited island located 960 miles south of Honolulu. The U.S. Navy, Coast Guard, and Civil Aeronautics Administration occupied it in the 1940s. Environmental issues of concern included a former refuse dump, abandoned dumpsites, bulk fuel storage terminals, lagoon dumpsites, PCB transformers and unexploded ordnance. Mr. Ford identified data gaps in previous environmental work, developed recommendations for further investigation, and estimated costs for remediation and risk management activities.

### **Phase I ESA – Due Diligence**

#### *Molokai Ranch*

Mr. Ford served as principal-in-charge of a Phase I Environmental Assessment of 52,352 acres of land on the island of Molokai, Hawaii. The properties included agricultural, industrial, commercial, residential, and conservation areas. Recognized environmental conditions included four landfills/dump sites, three large pesticide herbicide storage/mixing areas, and multiple fuel tank leak sites. Mr. Ford prepared and reviewed reports and documents that were presented as disclosure documents to potential investors.

### **Phase I ESAs Multiple Property Portfolio, Oahu and Lanai**

#### *Financial Services*

Mr. Ford served as principal-in-charge of environmental assessments of sixteen large agricultural properties including the entire island of Lanai. The purpose of the assessments was to assess environmental risk of the properties for financing activities. Project activities involved report/document reviews, site inspections and summaries of major environmental issues. Mr. Ford developed cost estimates for likely and worst-case remediation scenarios. Mr. Ford ensured that the needs of the client were met by dedicating multiple technical staff to the project to meet project timelines.

### **Comprehensive Environmental Services**

#### *Private Landowner*

Mr. Ford provided third-party technical services for a major Hawaii landowner for five years, remediating a large agricultural property under a lease-surrender agreement. Mr. Ford's services included closing two landfills, removal actions and risk assessment of soil impacted with pesticides, remediating groundwater impacted with petroleum hydrocarbons, conducting asbestos surveys and abatement, and restoring wetlands. As a result of these services, the landowner was able to minimize environmental liability and allocate cleanup costs to previous tenants.

### **Comprehensive Environmental Services**

#### *Petroleum Industry*

Mr. Ford has completed more than 200 projects for various oil companies that involves the following services: regulatory compliance audits, ESAs for the purchase of new facilities, tank removals and installations, work plan development, soil and groundwater investigations, remedial action planning involving treatment and disposal of contaminated soil and groundwater, quarterly sampling reports, and risk assessment. The projects have included refineries, terminals, pipelines, and service stations. Mr. Ford has been instrumental in securing No Further Action status from the regulatory agencies on many of these projects.

### **Comprehensive Environmental Services**

#### *Real Estate and Financial Services Industry*

Mr. Ford was principal-in-charge for a commercial property on the island of Guam. The project included: (1) a Phase I environmental site assessment (ESA); (2) asbestos and radon surveys; (3) coordination of



## **Daniel P. Ford, RG**

inventory, characterization, and disposal of various hazardous materials and wastes; (4) UST compliance including removal and closure; (5) subsurface site characterization for soil impacted with diesel fuel; (6) design and construction of a bioremediation treatment facility; and (7) negotiation of site closure with the Guam Environmental Protection Agency (GEPA). These activities occurred over a one-year period and allowed the client to secure financing for redevelopment of the site.

### **Remedial Action**

*Federal Government – United States Army Corps of Engineers (USACE)*

Mr. Ford served as principal investigator and project manager for various remedial action projects for the USACE Pacific Ocean Division for twelve years. He was responsible for characterizing and remediating soil and groundwater impacted with pesticides, polychlorinated biphenyls (PCBs), dioxins, metals, and various petroleum hydrocarbons. Mr. Ford planned and designed remedial action systems, managed construction, and prepared and reviewed work plans, chemical data acquisition plans, quality assurance project plans, and final closure reports. Mr. Ford was instrumental in securing No Further Action status from regulatory agencies on many of these projects.

### **Investigation and Remediation**

*Real Estate Industry – Development*

Mr. Ford acted as principal-in-charge of a 10-acre redevelopment project involving 50 buildings within two city blocks including a wood treatment facility, chemical manufacturers, dry cleaners, gas stations, and auto repair facilities. His investigation and remediation activities involved removing 23 underground storage tanks, installing 49 groundwater monitoring wells, designing the remediation program, and managing construction. As a result of these activities, No Further Action letters were negotiated and issued to the client from the regulatory agency.

### **Investigation and Remedial Action**

*Real Estate and Financial Services Industry*

Mr. Ford served as principal-in-charge of environmental services for a 970-acre Hawaii property that included two landfills, a scrapmetal yard, and various agricultural businesses. His responsibilities on this four-month project included: (1) technical review of previous work performed, (2) soil and groundwater sampling and analyses, (3) final report, (4) remedial action work plan, and (5) cost estimates for site remediation. Mr. Ford's services allowed the client to transfer the property within the specified due diligence period.

### **Subsurface Investigation, Facility Inspections, and Surveys**

*Federal Government – U.S. Navy*

Mr. Ford provided technical environmental support to the U.S. Navy for the design and construction of a high-rise building within a federal National Priorities List (NPL) Superfund area at Pearl Harbor. The building was constructed at the location of a former fuel tank farm. Mr. Ford conducted detailed subsurface site characterization for use in the design of the building footings to minimize contact with the underlying contaminated soil and groundwater. In addition, he inspected facilities and conducted asbestos and lead-based paint surveys for existing buildings before demolition. By minimizing excavation and disposal of contaminated soil and by treating contaminated groundwater, Mr. Ford was able to reduce project costs.

### **Site Characterization and Remediation**

*Federal Government – USACE*

As principal investigator on more than 100 delivery orders for USACE, Pacific Ocean Division in Hawaii and various Pacific locations, Mr. Ford has prepared technical proposals, work plans, and reports;



## **Daniel P. Ford, RG**

coordinated subcontractor teams; estimated budgets; and negotiated with government officials for overall contract and individual delivery orders. Projects have included removal of USTs, PCB transformers, and buried wastes; subsurface site characterizations; hazardous waste characterization and disposal; remediation management; and quantitative risk assessments. Mr. Ford was able to secure No Further Action status from regulatory agencies on many of these delivery orders.

### **Groundwater Monitoring Programs**

#### *Waste Disposal Industry – Landfills*

At various privately owned and city and county government landfills in Hawaii, Mr. Ford selected sites for groundwater monitoring wells, developed sampling protocols and analyses programs, prepared quarterly sampling and final reports, and served as regulatory liaison. The monitoring programs were instigated to comply with regulations, which were met on time and within budget.

### **Phase I ESAs and Technical Reviews**

#### *Real Estate and Financial Services Industries*

Mr. Ford's services for major lending institutions, landowners, law firms, and real estate companies have included more than 500 agricultural, industrial, and commercial properties throughout Hawaii, the Pacific Basin, and the Far East. The site assessments have allowed property transfers, financing, lease-surrenders, acquisitions, and due diligence activities to move forward within tightly planned schedules.

### **Phase I ESA**

#### *Financial Services Industry – International Bank, Japan*

For a \$50 million agricultural property in Yokohama, Japan, Mr. Ford inspected the site, reviewed Japan's regulatory requirements, conducted subsurface sampling and analyses, and reviewed historical use for a property acquisition. The information obtained by Mr. Ford allowed this property transfer to be completed within the due diligence time frame.

### **Facility Audits and Subsurface Investigations**

#### *Chemical Industry – Central America*

As part of a multinational corporation's environmental compliance program, Mr. Ford conducted facility audits and subsurface investigations for soil and groundwater contamination at chemical production facilities throughout Central America. These audits and investigations allowed the client to move forward with its divestiture and acquisition of chemical plants.

### **Mergers and Acquisitions Due Diligence**

#### *Consumer Products Industry – Cosmetics, Australia*

Mr. Ford conducted due diligence environmental audits for acquisition of a cosmetics manufacturer in Australia. He reviewed previous environmental audits, assessments, and the facilities' environmental management programs; conducted comprehensive environmental audits; and assessed the environmental liabilities at each of the facilities. These activities allowed the client to prepare a disclosure package for divestiture of the facilities.

### **Mergers and Acquisitions Due Diligence**

#### *Utility Industry*

Mr. Ford managed and coordinated due diligence environmental services for acquisition of a major utility company in Hawaii. His responsibilities included: (1) reviewing previous environmental work performed on multiple properties or facilities, (2) conducting comprehensive environmental audits of each of the facilities, (3) assessing environmental liability at each property or facility, and (4) preparing cost estimates





## ***Daniel P. Ford, RG***

for use in negotiations. These activities allowed the client to make strategic business decisions regarding the acquisition.

### **Litigation Support**

#### ***Law Firms***

Mr. Ford's litigation support services for various law firms have included technical reviews, cost estimates, technical support, and expert witness testimony. These services have allowed the law firms to obtain awards for property damages and recover costs for their clients.

### ***Employment History***

Clayton Group Services, Inc. *A Bureau Veritas Company* – Honolulu, Hawaii  
Vice President, Environmental Services  
2005 to Present

Clayton Group Services, Inc. – Honolulu, Hawaii  
Vice President, Environmental Services  
2002 to 2005

Clayton Group Services, Inc. – Honolulu, Hawaii  
Director, Environmental Services  
1990 to 2002

Unitek Environmental Consultants, Inc. – Honolulu, Hawaii  
Project Geologist  
1989 to 1990

Geolabs-Hawaii – Honolulu, Hawaii  
Project Geologist  
1986 to 1989

Berkeley Geochronology Center – Berkeley, California  
Researcher  
1984 to 1986

### ***Professional Affiliations***

Hawaii Chamber of Commerce

National Association of Industrial and Office Properties (NAIOP)

National Ground Water Association



## **Tim J. Swartz**

### ***Environmental Consultant, Environmental Services***

Studies in Occupational and  
Environmental Safety Management  
Honolulu Community College, Honolulu,  
Hawaii

Studies in Psychology and Biology  
University of Kansas, Lawrence, Kansas

AHERA Building Inspector and  
Management Planner

AHERA Contractor/Supervisor

NIOSH 582 Phase Contrast  
Microscopy/Asbestos Identification/AAR  
Participant

SCITEC Radiation Safety Training

OSHA 40-Hour Hazardous Waste,  
Health, and Safety Accreditation/Annual  
Update

Lead-Based Paint Abatement Worker  
Awareness Training Course

Tim Swartz has over 12 years of experience in the environmental and industrial hygiene fields. His background includes Phase I environmental site assessments and soil and groundwater sampling, management of asbestos and lead paint assessment surveys, air monitoring and project oversight for asbestos and lead paint abatement projects, and various air quality surveys. Mr. Swartz has extensive project management experience and is familiar with standards and requirements of the American Society for Testing and Materials (ASTM) for Phase I environmental site assessments (ESAs), and Asbestos Hazard Emergency Response Act (AHERA). He is also familiar with Environmental Protection Agency (EPA) regulations for asbestos surveys and air monitoring projects; EPA and Department of Housing and Urban Development (HUD) guidelines for lead-based paint surveys and abatement; and Occupational Safety and Health Administration (OSHA) regulations for projects involving worker health and safety.



## **Tim J. Swartz**

### **Project Experience**

#### **Asbestos Surveys**

##### *State Government*

Mr. Swartz managed and performed asbestos assessment building surveys for a large State of Hawaii project comprising inspection of over 2,300 state-owned buildings over a two-year period. Mr. Swartz followed a highly detailed survey protocol that complied with AHERA regulations and included additional data requested by the State.

#### **Asbestos and Lead Paint Surveys**

##### *Architect/Engineering (A&E) Projects in Japan*

Mr. Swartz conducted asbestos and lead paint surveys for five large building renovation projects on U.S. military bases in Japan, including Misawa, Yokota, and Sagamihara. He developed cost estimates for abatement, as well as project plans and specifications.

#### **Hazardous Materials Surveys**

##### *U.S. Military Installation*

Mr. Swartz conducted a hazardous materials survey for the demolition of an existing power plant and construction of a new power plant at a U.S. Air Force base on the islet of Roi-Namur on Kwajalein Atoll, Marshall Islands. Survey work included sampling and analyses for asbestos and lead-based paint, and assessments of polychlorinated biphenyl (PCB) units and petroleum hydrocarbons. Follow-up work included the development of plans and specifications for the abatement and disposal of hazardous materials, which included cost estimating and coordination with regulatory agencies.

#### **Lead-Based Paint Surveys**

##### *State Government*

Mr. Swartz performed lead-based paint surveys of two large public housing projects utilizing a spectrum analyzer x-ray fluorescence (XRF) device. The surveys were performed in accordance with HUD guidelines.

#### **Asbestos Assessment**

##### *United States Marine Corps*

Mr. Swartz conducted asbestos assessment building surveys for a large project at Iwakuni Marine Corps Air Station in Iwakuni, Japan.

#### **Project Oversight**

##### *Hospital*

Mr. Swartz performed air monitoring and provided project oversight during asbestos and lead-based paint removal and demolition of four hurricane-damaged buildings at a state-owned hospital on the island of Kauai, Hawaii.

#### **Asbestos Removal Specifications**

##### *State Government*

Mr. Swartz developed asbestos specifications for the removal of asbestos-containing materials at a high school following AHERA protocols as well as State of Hawaii Department of Occupation Safety and Health (HIOSH) regulations.



## **Tim J. Swartz**

### **Air Monitoring for Mold**

#### *Vacation Resort*

Mr. Swartz conducted air monitoring for airborne mold spores inside vacation resort condominiums on the island of Kauai, Hawaii. The air monitoring was performed for insurance purposes, to assess indoor environmental quality following severe water damage that occurred during Hurricane Iniki in 1992. Following strict air sampling protocols, Mr. Swartz utilized a calibrated air sampler and agar strips, and coordinated scheduling, decontamination procedures, and timely packaging and transport of air samples to a laboratory for analyses.

### **Air Monitoring**

#### *Transportation Industry*

Mr. Swartz conducted air monitoring of various contaminants for worker health and safety during clean-up of the World Trade Center in New York after it was bombed by terrorists in January 1993. The air monitoring was conducted to comply with OSHA permissible exposure limits (PELs) for airborne contaminants.

### **Phase I Environmental Site Assessments (ESAs)**

#### *Banking/Real Estate*

Mr. Swartz performed Phase I ESAs for a lending institution. The project included several garment-manufacturing plants throughout the State of Texas, and followed current ASTM standards.

### **Phase I ESAs**

#### *Real Estate Company*

Mr. Swartz performed Phase I ESAs of fifteen fast-food restaurant sites in and around Lafayette, Louisiana, following current ASTM standards.

### **Phase I ESA**

#### *City & County*

Prior to a major renovation project, Mr. Swartz performed a Phase I ESA following ASTM standards, for the City & County of Honolulu. The project involved an entire city block of old downtown Honolulu.

### **Air Quality Investigation**

#### *Resort*

Mr. Swartz conducted an investigation of malodorous vapors in the administrative offices of a resort hotel on the island of Hawaii. Screen testing techniques included the use of a photoionization detector (PID) for volatile organic compounds (VOCs), a lower explosive limit (LEL) meter for combustible gases, and Dräger™ sampling tubes for hydrogen sulfide and sulfur dioxide gases.

### **Phase I ESA—Technical Review**

#### *Law Firm*

Mr. Swartz performed a technical review of Phase I ESA and asbestos survey reports generated by other consulting firms for a former dairy facility. He made recommendations for further investigation, and provided additional asbestos testing, soil sampling for pesticide contamination, and cost estimates for soil remediation and asbestos abatement.





## ***Tim J. Swartz***

### **Phase I ESA—Industrial Facility**

#### ***Banking/Financial Industry***

Mr. Swartz conducted a Phase I ESA of a lumber/hardware facility in an industrial section of Honolulu, Hawaii. The assessment included technical review of an underground storage tank (UST) closure report for the site and a review of the case file for the property at the Department of Health. As a result of the assessment, Mr. Swartz identified data insufficiencies associated with the UST removal, an abandoned UST site on the property, a diesel oil release from an underground pipeline running through the property, and a potentially contaminated underground drainage canal running through the property.

### **Phase I ESA—Undeveloped Land**

#### ***Law Firm***

Mr. Swartz performed a Phase I ESA of 35 acres of undeveloped land on the island of Hawaii. His assessment revealed the past use of herbicides on the property, which led to a second phase of soil sampling and laboratory analyses for chlorinated herbicides.

## ***Employment History***

Clayton Group Services, Inc., *A Bureau Veritas Company* – Honolulu, Hawaii  
Environmental Consultant/Industrial Hygienist  
2005 to Present

Clayton Group Services, Inc. – Honolulu, Hawaii  
Environmental Consultant/Industrial Hygienist  
1993 to 2005

PSI/Hall-Kimbrell Environmental Services, Inc. – Honolulu, Hawaii  
1990 to 1993

PSI/Hall-Kimbrell Environmental Services, Inc. – Lawrence, Kansas  
1988 to 1990



## **Michael J. Kelley**

### ***Industrial Hygienist, Hydrogeologist, Environmental Services***

M.S., Hydrogeology, 1999  
Oregon State University,  
Corvallis, OR

B.S., Geology, 1995  
Bloomsburg University,  
Bloomsburg, PA

A.A, Rural Resource Management,  
1991

Sterling College,  
Craftsbury Commons, VT

Occupational Safety and Health  
Administration (OSHA) 40-Hour  
Hazardous Waste Operations

Emergency Response (HAZWOPER)  
training and annual refresher.

Michael Kelley has over 5 years of experience managing and conducting environmental investigations. In addition, he has experience in performing investigation and remediation activities in a remote Pacific location. He has technical expertise related to subsurface investigations for soil and groundwater contamination, site characterizations, and remedial investigations and feasibility studies. Mr. Kelley has worked on projects for the U.S. Department of Energy Waste Legacy Sites, U.S. Air Force, the City and County of Honolulu, and industrial clients. His experience includes numerical modeling studies, preparing work plans, conducting fieldwork, performing Quality Control oversight, managing and analyzing environmental data, and writing technical reports. Mr. Kelley has supervised and conducted field activities including drilling, monitoring well installation, soil and groundwater sampling, as well as removal, treatment, and disposal of contaminated soil and groundwater.



## **Michael J. Kelley**

### **Project Experience**

#### **Quality Control Manager**

*U.S. Air Force*

Mr. Kelley was responsible for ensuring that the quality of products and services provided to the client was in accordance with the specifications described in the contract, project plans, drawings, specifications, scopes of work, subcontracts, and other project directives. The projects included Low Temperature Thermal Desorption of Dioxin and PCB Impacted Soil, and Decommissioning and Demolition of Facilities. His primary duties included coordination and administration of QC deliverables, submittal reviews, and changes/revisions; subcontractor oversight to ensure adherence to work plan and established construction methods; prepare, review, and administer field documentation including daily reports to client, client drawings, project logbooks, and change orders to ensure conformance; and interface with the client and EPA to provide detailed technical information on system parameters during all phases of performance testing and operation. This work was performed at a remote Pacific location.

#### **Contaminant Delineation and Remediation**

*U.S. Air Force*

Mr. Kelley participated as an integral member of the team that delineated the vertical extent of dioxin contamination on an approximately 4-acre site. This effort included laying out and maintaining the sampling grid, sampling each grid cell, estimating soil quantities to be treated, and accurately identifying grid cells for further excavation and sampling based on laboratory results. A majority of this fieldwork was performed under Level C Personal Protective Equipment (PPE) conditions in a tropical remote location. In addition, this effort included managing and tracking several hundred individual samples that included pre-treatment samples from grid cells and soil staging piles, as well as post-treatment samples from soil staging piles. He developed methods to accurately track and identify over two dozen post-treatment soil staging piles while waiting for analytical results from the laboratory. Based on laboratory results, the staging piles had to be identified and directed for additional treatment or hauled back to the original excavation location.

#### **Remediation Oversight**

*U.S. Air Force*

Mr. Kelley provided direct oversight and monitoring of the Thermal Desorption subcontractor. This effort included the monitoring of system parameters to ensure system operation within approved EPA permit conditions, and continuously documenting and reporting of system conditions to the client and EPA. He developed various methods to monitor and interpret the operational data from the computer control module as well as methods to accurately track soil quantities that successfully met the corrective action criterion.

#### **Soil and Groundwater Investigations**

*U.S. Air Force*

Mr. Kelley had performed several subsurface investigations relating to landfill closures and historic petroleum releases. The projects included drilling, monitoring well installation, soil and groundwater sampling, and contaminant removal.

#### **Innovative Technology Remediation Demonstration**

*U.S. Department of Energy*

Mr. Kelley was the project manager for a groundwater investigation and remediation project targeted at removing carbon tetrachloride from a fractured bedrock aquifer on a U.S. Department of Energy Waste



## ***Michael J. Kelley***

Legacy Site. He led the Technical Advisory Group in evaluating, selecting, and designing a pilot-scale demonstration of bioremediation.

### **Numerical Modeling**

*U.S. Department of Energy*

Mr. Kelley performed unsaturated zone flow and transport stochastic modeling to support performance assessment calculations for a proposed high-level nuclear waste repository. Also, he performed inverse modeling on two-well convergent flow tests using an innovative multirate numerical model to determine diffusion parameters to support performance assessment calculations for a low-level nuclear waste repository.

### **Technical and Compliance Auditing**

*U.S. Department of Energy*

Mr. Kelley performed technical and compliance auditing for a Saturated Zone Process Model Report that was used to support the Total System Performance Assessment for a proposed high-level nuclear waste repository.

## ***Employment History***

Clayton Group Services, Inc. *A Bureau Veritas Company* – Honolulu, HI

Hydrogeologist

2004 to Present

CH2MHILL – Honolulu, HI

Hydrogeologist

2002 to 2003

Sandia National Laboratories – Albuquerque, NM

Technical Staff Member

1999 to 2001





## **APPENDIX B**

### **LIST OF SOURCES/REFERENCES**



## LIST OF SOURCES/REFERENCES

### CONTACTS:

Name/title of representative:	Mr. Richard Kuitunen, Asset Manager, Hawaii Community Development Authority
Location of Agent:	677 Ala Moana Boulevard, Suite 1001, Honolulu, Hawaii 96813
Agency Telephone Number:	(808) 587-8177
Date Information was received:	November 1, 2005
Information obtained:	Site access; past and present uses of the subject property
Name/title of representative:	Mr. Richard Kanemoto, Special Projects, Hawaii Community Development Authority
Location of Agency:	677 Ala Moana Boulevard, Suite 1001, Honolulu, Hawaii 96813
Agency Telephone Number:	(808) 587-8174
Date Information was received:	November 1, 2005
Information obtained:	Site access; past and present uses of the subject property
Name/title of representative:	Mr. Dennis Okamoto, Department of Transportation, Harbors Division
Location of Agency:	333 Queen Street, Room 300, Honolulu, Hawaii 96813
Agency Telephone Number:	(808) 368-5994
Date Information was received:	November 2, 2005
Information obtained:	Site access; past and present uses of the subject property
Name/title of representative:	Mr. Loren Kaehn, Environmental Health and Safety Office, University of Hawaii at Manoa
Location of Agency:	2040 East-West Road, Honolulu, Hawaii 96822
Agency Telephone Number:	(808) 956-8660
Date Information was received:	December 5, 2005
Information obtained:	Environmental compliance issues at Pacific Biomedical Research Center (Site 1, Unit 4)
Name/title of representative:	Mr. Craig Nishimura, Chief, City & County of Honolulu, Department of Wastewater Management (DWWM)
Location of Agency:	98 Koula Street, Honolulu, Hawaii 96813
Agency Telephone Number:	(808) 527-5355
Date Information was received:	November 1, 2005
Information obtained:	Site access; past and present uses of the DWWM facility (Site 1, Unit 2)



## **LIST OF SOURCES/REFERENCES (Continued)**

Name/title of representative:	Mr. David Oya, Manager, Kewalo Shipyard
Location of Agency:	Kewalo Shipyard, Honolulu, Hawaii
Agency Telephone Number:	(808) 526-9311
Date Information was received:	November 2, 2005
Information obtained:	Site access; past and present uses of Kewalo Shipyard (Site 2, Unit 7)
Name/title of representative:	Mr. Robert Dollar, Manager, National Oceanic & Atmospheric Administration (NOAA), Kewalo Research Facility
Location of Agency:	1125B Ala Moana Boulevard, Honolulu, Hawaii 96814
Agency Telephone Number:	(808) 592-8302
Date Information was received:	November 2, 2005
Information obtained:	Site access; past and present uses of the NOAA facility
Name/title of representative:	Mr. Andrew Keith, Senior Environmental Scientist, Hawaiian Electric Company, Inc. (HECO)
Location of Agency:	P.O. Box 2750, Honolulu, Hawaii 96840-001
Agency Telephone Number:	(808) 543-4523
Date Information was received:	November 18, 2005
Information obtained:	PCB information on HECO transformers

### **REFERENCES:**

Name of publication:	Topographic Maps, Honolulu, Hawaii
Author of publication:	M.D. Monsarrat Survey, U.S. Army Engineers, and United States Geological Survey (USGS)
Date of publication	1897, 1909-1913, 1927, 1943, 1959, 1969, 1983, and 1998
Page number(s):	N/A
Information obtained:	Geography
Name of publication:	Aerial Photographs
Author of publication:	R.M. Towill Corporation, Honolulu, Hawaii,
Date of publication:	Various
Page number(s):	N/A
Information obtained:	Historical use



## LIST OF SOURCES/REFERENCES (Continued)

Name of publication:	Aquifer Identification and Classification for the Island of Hawaii: Groundwater Protection Strategy for Oahu. Technical Report No. 179
Author of publication:	Mink, J.F. and L.S. Lau
Date of publication:	1993
Page number(s):	N/A
Information obtained:	Groundwater and rainfall data
Name of publication:	Ownership records and Tax Map Key maps
Author of publication:	City and County of Honolulu Real Property Tax Office
Date of publication:	N/A
Page number(s):	N/A
Information obtained:	Ownership records
Name of publication:	Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM) Panel Nos. 150001-0115 C and -0120 C
Author of publication:	FEMA/FIRM
Date of publication:	Revised September 28, 1990 and September 4, 1987
Information obtained:	Flood zone information
Name of publication:	Rules for Controlling PCBs under the Toxic Substances Control Act. Code of Federal Regulations, Title 40, Part 761.
Author of publication:	U.S. Environmental Protection Agency
Date of publication:	December 14, 1990
Page number(s):	N/A
Information obtained:	PCB regulations
Name of publication:	The EDR Radius Map Report, Kakaako Waterfront, Ala Moana Boulevard, Honolulu, Oahu, HI 96813
Author of publication:	Environmental Data Resources, Inc. (EDR)
Date of publication:	October 28, 2005
Information obtained:	Regulatory database records
Name of publication:	Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii
Author of publication:	Foot, Donald E. et al. U.S. Department of Agriculture, Soil Conservation Service, in cooperation with the University of Hawaii Agricultural Experiment Station
Date of publication:	1972
Information obtained:	Soil classifications





## LIST OF SOURCES/REFERENCES (Continued)

Name of publication:	Ground Water Index and Summary database report
Author of publication:	State of Hawaii Department of Land and Natural Resources, Division of Water Resource Management
Date of publication:	2001
Information obtained:	Well information
Name of publication:	Underground Storage Tank Database and Leaking Underground Storage Tank Database
Author of publication:	State of Hawaii, Department of Health, Solid and Hazardous Waste Branch
Date of publication:	2005
Information obtained:	Underground storage tank information
Name of publication:	Hazard Evaluation & Emergency Response (HEER) Office Database
Author of publication:	State of Hawaii, Department of Health, HEER Office
Date of publication:	2005
Information obtained:	Environmental concerns or violations
Name of publication:	Preliminary Environmental Site Assessment for Kewalo Project – TMK 2-1-58: 1, 20, 52, 65, and 95 (Phase I) 2 and 35 (Phase IIA), Honolulu, Hawaii
Author of publication:	Masa Fujioka & Associates
Date of publication:	August 27, 1992
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Phase I Environmental Site Assessment Kaka'ako Brownfield Project
Author of publication:	Edward K. Noda and Associates, Inc & Cotton Consulting, Inc.
Date of publication:	October 21, 1997
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Phase I Environmental Site Assessment, Phase I, Parking Garage, Kaka'ako Makai District, Honolulu, Hawaii
Author of publication:	Environet, Inc.
Date of publication:	September 2005
Page number(s):	N/A
Information obtained:	Previous environmental report



## **LIST OF SOURCES/REFERENCES (Continued)**

Name of publication: Various City Locations, UST Closure Report; For Harry Nakai, Inc.; CFC Job # 93069  
Author of publication: Cotton and Frazier Consultants, Inc.  
Date of publication: September 7, 1993  
Page number(s): N/A  
Information obtained: Previous environmental report

Name of publication: Various City Locations, Release Response Report; For Harry Nakai, Inc.; CFC Job # 93095  
Author of publication: Cotton and Frazier Consultants, Inc.  
Date of publication: December 20, 1993  
Page number(s): N/A  
Information obtained: Previous environmental report

Name of publication: Soil & Water Sampling, Preliminary Studies, Kakaako Makai Area  
Author of publication: Muranaka Environmental Consultants, Inc.  
Date of publication: May 2001  
Page number(s): N/A  
Information obtained: Previous environmental report

Name of publication: Phase II Field Investigation Kaka'ako Brownfield Project  
Author of publication: Edward K. Noda and Associates, Inc. & Cotton Consulting, Inc.  
Date of publication: July 16, 1999  
Page number(s): N/A  
Information obtained: Previous environmental report

Name of publication: Underground Storage Tank Closure Report, Look Laboratory Facility, 811 Olomehani Street, Honolulu, Hawaii  
Author of publication: Muranaka Environmental Consultants, Inc.  
Date of publication: June 8, 1998  
Page number(s): N/A  
Information obtained: Previous environmental report

Name of publication: Soil and Groundwater Report, Kaka'ako Makai Ward Avenue Extension, Honolulu, Hawaii  
Author of publication: Muranaka Environmental Consultants, Inc.  
Date of publication: March 11, 1998  
Page number(s): N/A  
Information obtained: Previous environmental report



## LIST OF SOURCES/REFERENCES (Continued)

Name of publication:	Short/Long Term Release Response Report, Kewalo Project – Phase I, 1011 Ala Moana Boulevard, TMK: 2-1-58: 1, 20, 52, 65, and 95, Honolulu, Oahu, Hawaii; DOH Facility id No. 9-102690 (Leak #920179)
Author of publication:	Masa Fujioka and Associates
Date of publication	January 5, 1993
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Letter Report; Additional Environmental Services; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	February 4, 1998
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	January Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	February 4, 1999
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	July 1999 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	August, 1999
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	January 2000 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	January 27, 2000
Page number(s):	N/A
Information obtained:	Previous environmental report



## **LIST OF SOURCES/REFERENCES (Continued)**

Name of publication:	July 2000 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	August 29, 2000
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	February 2001 Groundwater Monitoring and Sampling; Former Underground Storage Tank Location B; Kewalo Phase I Property; Honolulu, Oahu, Hawaii
Author of publication:	Masa Fujioka and Associates
Date of publication	March 7, 2001
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Kaka'ako Units 6 & 7, Targeted Brownfields Assessment Report, Final, Phase II Report
Author of publication:	Ecology and Environment, Inc.
Date of publication	July 2005
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 6 & 7 Properties
Author of publication:	Ecology and Environment, Inc.
Date of publication	July 6, 2005
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Underground Storage Tank Closure; Former GRG Enterprises Site, 115 Ahui Street, Honolulu, Hawaii
Author of publication:	WMF Hawaii
Date of publication	November 23, 1998
Page number(s):	N/A
Information obtained:	Previous environmental report





## **LIST OF SOURCES/REFERENCES (Continued)**

Name of publication:	UST Limited Site Assessment and Release Response, McWayne Marine Supply, 1125 Ala Moana Boulevard, UST Facility ID 9-101369, Release ID 930107, Prepared for Servco Pacific
Author of publication:	Muranaka Environmental Consultants
Date of publication	September 28, 1993
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	UST Closure Report - McWayne Marine Supply, 1125 Ala Moana Blvd, Facility ID 9-101369, Release ID 930107. CF Job #93115
Author of publication:	Cotton and Frazier Consultants, Inc.
Date of publication	April 29, 1994
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Site Characterization Report. Location: Division of Transportation Services, City and County of Honolulu, Honolulu Corporation Yard: Signs and Markings, Traffic Signals, Street Lights, and Parking Meters (DTS Yard), 160 Koula Street, Honolulu, Hawaii. CF Job # 94166
Author of publication:	Cotton and Frazier Consultants, Inc.
Date of publication	August 10, 1994
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Release Response Progress Report. Location: Division of Transportation Services, City and County of Honolulu, Honolulu Corporation Yard: Signs and Markings, Traffic Signals, Street Lights, and Parking Meters (DTS Yard), 160 Koula Street, Honolulu, Hawaii. CF job #94166.1
Author of publication:	Cotton and Frazier Consultants, Inc.
Date of publication	December 29, 1995
Page number(s):	N/A
Information obtained:	Previous environmental report



## LIST OF SOURCES/REFERENCES (Continued)

Name of publication:	Underground Storage Tank Contaminated Soil, and Water Removal & Disposal Associated with UST Location A & B, Kaka'ako Community Development Demolition Plan, Facility ID 9-102690, Leak ID 920179 & 990187, TMK (1) 2-1-58:95
Author of publication:	Muranaka Environmental Consultants, Inc.
Date of publication	June 29, 1999
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Phase II Environmental Site Characterization, Former GRG Enterprises Site, 115 Ahui Street, Honolulu, Hawaii
Author of publication:	WMF Hawaii
Date of publication	July 26, 1999
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Underground Storage Tank Closure and Short-Term Release Report for Kewalo Marine Services, 1125C Ala Moana Boulevard, Honolulu, HI. Facility ID 100857, Release ID 000046. Prepared for M. Nakai Repair Service
Author of publication:	EnviroServices and Training Center, LLC
Date of publication	March 17, 2000
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Kaka'ako Brownfield Unit 8 Site Characterization Study, <b><u>Draft</u></b> , Honolulu, Hawaii
Author of publication:	AMEC Earth and Environmental
Date of publication	May 2002
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Subsurface Environmental Investigation Kewalo Unit 3
Author of publication:	Masa Fujioka & Associates
Date of publication	October 28, 2002
Page number(s):	N/A
Information obtained:	Previous environmental report



## LIST OF SOURCES/REFERENCES (Continued)

Name of publication:	Supplemental Phase 2 Targeted Brownfields Assessment Report, <b><u>Draft</u></b> , Honolulu, Hawaii
Author of publication:	Ecology and Environment, Inc.
Date of publication	January 2004
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Preliminary Recommendations for Remedial Alternatives at the Kaka'ako Unit 8 Property
Author of publication:	Ecology and Environment, Inc.
Date of publication	April 13, 2004
Page number(s):	N/A
Information obtained:	Previous environmental report
Name of publication:	Underground Storage Tank Closure at the Kewalo Basin Incinerator, 111 Ohe Street, Honolulu, Oahu, Hawaii, DOH Facility Identification No. 9-102984
Author of publication:	Clayton Environmental Consultants, Inc.
Date of publication	December 2, 1994
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property
Name of publication:	Preliminary Assessment, Kewalo Incinerator Landfill, 709 Kelikoi Street, Honolulu, HI 96813
Author of publication:	Ecology and Environment, Inc.
Date of publication	March 30, 1989
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property
Name of publication:	Remedial Investigation, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii
Author of publication:	Harding Lawson Associates
Date of publication	October 16, 1989
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property



## **LIST OF SOURCES/REFERENCES (Continued)**

Name of publication:	Feasibility Study, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii
Author of publication:	Harding Lawson Associates
Date of publication	February 23, 1990
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property
Name of publication:	Marine Bioaccumulation Study, Kewalo Municipal Incinerator Landfill, Honolulu, Oahu, Hawaii
Author of publication:	Harding Lawson Associates
Date of publication	April 6, 1990
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property
Name of publication:	Kewalo Incinerator Site Assessment, 111 Ohe Lane, Honolulu, Hawaii
Author of publication:	Harding Lawson Associates
Date of publication	March 30, 1990
Page number(s):	N/A
Information obtained:	Previous environmental report for adjoining property





## **APPENDIX C**

### **REGULATORY DATABASE REPORT**



# **The EDR Radius Map™ Report**

**Kaka ako Waterfront  
Ala Moana Boulevard  
Honolulu, HI 96813**

**Inquiry Number: 1541724.1s**

**October 28, 2005**

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

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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

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Overview Map .....	2
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EPA Waste Codes .....	EPA-1
Government Records Searched/Data Currency Tracking .....	GR-1

### GEOCHECK ADDENDUM

#### GeoCheck - Not Requested

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

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## 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

ALA MOANA BOULEVARD  
HONOLULU, HI 96813

#### COORDINATES

Latitude (North): 21.293400 - 21° 17' 36.2"  
Longitude (West): 157.858500 - 157° 51' 30.6"  
Universal Transverse Mercator: Zone 4  
UTM X (Meters): 618409.0  
UTM Y (Meters): 2354909.2  
Elevation: 2 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 21157-C7 HONOLULU, HI  
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:

Site	Database(s)	EPA ID
KAKAAKO BROWNFIELD PROJECT-UNIT 6 1011 ALA MOANA BLVD HONOLULU, HI 96814	SHWS FINDS SPILLS BROWNFIELDS INST CONTROL	110013787704
KAKA AKO COMMUNITY DEVELOP ON THE OCEAN TO THE WEST H HONOLULU, HI 96813	FINDS	110020727061
KAKA AKO BROWNFIELD PROJECT TEN VARIOUS AREAS NW OF KEWALO BASIN HONOLULU, HI 96813	FINDS	110015334556



## 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

### 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  
**US ENG CONTROLS**..... Engineering Controls Sites List  
**ODI**..... Open Dump Inventory  
**UMTRA**..... Uranium Mill Tailings Sites  
**FUDS**..... Formerly Used Defense Sites  
**INDIAN RESERV**..... Indian Reservations  
**DOD**..... Department of Defense Sites  
**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)

### EDR PROPRIETARY HISTORICAL DATABASES

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

### BROWNFIELDS DATABASES

**US BROWNFIELDS**..... A Listing of Brownfields Sites  
**US INST CONTROL**..... Sites with Institutional Controls

### 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.

## EXECUTIVE SUMMARY

### FEDERAL ASTM STANDARD

**CERCLIS-NFRAP:** As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 08/22/2005 has revealed that there are 4 CERC-NFRAP sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SYMPHONY PARK	WARD AVE & KAPIOLANI BL	1/2 - 1 NE	AJ142	82
AMELCO CORPORATION	645 HALEKAUWILA STREET	1/2 - 1 N	AM163	96
<b>QUEEN EMMALANI TOWER</b>	<b>600 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO188</b>	<b>108</b>
<b>HAWAIIAN ELECTRIC COMPANY HONO</b>	<b>170 ALA MOANA BOULEVARD</b>	<b>1/2 - 1 NNW</b>	<b>AX215</b>	<b>124</b>

**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 06/28/2005 has revealed that there is 1 CORRACTS site within approximately 1.5 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>HAWAIIAN ELECTRIC COMPANY HONO</b>	<b>170 ALA MOANA BOULEVARD</b>	<b>1/2 - 1 NNW</b>	<b>AX215</b>	<b>124</b>

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database 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 generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite 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 RCRA-TSDF list, as provided by EDR, and dated 08/11/2005 has revealed that there is 1 RCRA-TSDF 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>HAWAIIAN ELECTRIC COMPANY HONO</b>	<b>170 ALA MOANA BOULEVARD</b>	<b>1/2 - 1 NNW</b>	<b>AX215</b>	<b>124</b>

## EXECUTIVE SUMMARY

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database 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 generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite 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 RCRA-LQG list, as provided by EDR, and dated 08/11/2005 has revealed that there are 2 RCRA-LQG sites within approximately 0.75 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>HAWAII STATE OF</b>	<b>607 ALA MOANA BLVD</b>	<b>1/4 - 1/2NW</b>	<b>AG123</b>	<b>71</b>
<b>SZYMANSKI PROPERTIES LLC</b>	<b>757 KAWAIAHAO ST</b>	<b>1/2 - 1 NNE</b>	<b>AA134</b>	<b>79</b>

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database 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 generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite 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 RCRA-SQG list, as provided by EDR, and dated 08/11/2005 has revealed that there are 72 RCRA-SQG sites within approximately 0.75 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>HAWAII STATE BOARD WATER SUPPL</b>	<b>222 AHUI ST</b>	<b>0 - 1/8 NW</b>	<b>7</b>	<b>11</b>
<b>HONOLULU CITY &amp; COUNTY</b>	<b>160 AHUI ST</b>	<b>0 - 1/8 W</b>	<b>B10</b>	<b>13</b>
<b>HAWAII COMMUNITY DEV AUTHORITY</b>	<b>1011 ALA MOANA BLVD</b>	<b>0 - 1/8 NNE</b>	<b>C12</b>	<b>14</b>
<b>DAGS CSD AAFES BLDG</b>	<b>919 ALA MOANA BLVD</b>	<b>1/8 - 1/4N</b>	<b>D15</b>	<b>16</b>
<b>NEW CITY NISSAN</b>	<b>900 ALA MOANA BLVD</b>	<b>1/8 - 1/4NNW</b>	<b>D17</b>	<b>17</b>
<b>DEPT OF TRANSPORTATION</b>	<b>160 KOULA ST</b>	<b>1/8 - 1/4W</b>	<b>E19</b>	<b>18</b>
<b>HONOLULU MARINE INC</b>	<b>123 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F20</b>	<b>18</b>
<b>KEWALO INCINERATOR</b>	<b>111 KOULA ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F24</b>	<b>21</b>
<b>HONEYWELL</b>	<b>250 WARD AVE STE 100</b>	<b>1/8 - 1/4NE</b>	<b>G25</b>	<b>21</b>
<b>CUTTER MOTOR CARS</b>	<b>800 ALA MOANA BLVD</b>	<b>1/8 - 1/4NNW</b>	<b>H27</b>	<b>22</b>
<b>TESORO GAS EXPRESS #11</b>	<b>940 AUAHI STREET</b>	<b>1/8 - 1/4NE</b>	<b>G29</b>	<b>24</b>
<b>HAWAII BUSINESS EQUIPMENT</b>	<b>1020 AUAHI ST BLDG 8</b>	<b>1/4 - 1/2ENE</b>	<b>K41</b>	<b>29</b>
<b>FULLER OBRIEN PAINTS</b>	<b>746 AUAHI ST</b>	<b>1/4 - 1/2NNW</b>	<b>L43</b>	<b>31</b>
<b>LEXUS OF HAWAII</b>	<b>744 ALA MOANA BOULEVARD</b>	<b>1/4 - 1/2NW</b>	<b>J47</b>	<b>33</b>
<b>FLINT INK CORP CAL INK DIV</b>	<b>223 COOKE ST</b>	<b>1/4 - 1/2NW</b>	<b>M50</b>	<b>35</b>
<b>YORK INTERNATIONAL INC</b>	<b>851 POHUKAINA ST NO D</b>	<b>1/4 - 1/2N</b>	<b>N51</b>	<b>36</b>
<b>SHELLY MOTORS BODY SHOP</b>	<b>720 ILALO ST</b>	<b>1/4 - 1/2 WNW</b>	<b>M53</b>	<b>37</b>
<b>SERVCO PACIFIC, INC RUSTPROOFI</b>	<b>741B KELIKOI ST</b>	<b>1/4 - 1/2 W</b>	<b>I54</b>	<b>38</b>
<b>PRECISION AIR CONDITIONING INC</b>	<b>841 POHUKAINA ST UNIT D</b>	<b>1/4 - 1/2 N</b>	<b>N57</b>	<b>39</b>

## EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
RED AND WHITE FOODS INC	834 POHUKAINA ST	1/4 - 1/2 N	N60	40
J S AUTOMOTIVE	721 AUAHI ST	1/4 - 1/2 NNW	L62	41
HONOLULU FORD	711 ALA MOANA BLVD	1/4 - 1/2 NW	P63	42
THEO DAVIES EUROMOTORS	704 ALA MOANA BOULEVARD	1/4 - 1/2 NW	P64	43
JAE IL FISHING INC	1025 ALA MOANA BLVD UNI	1/4 - 1/2 ESE	65	44
V H T INC	918 ILANIWAI ST	1/4 - 1/2 NE	R70	46
ISLAND FENDER	440 KAMANI ST	1/4 - 1/2 NE	R71	47
PRODUCE CENTER DEVELOPMENT LIM	651 ILALO STREET	1/4 - 1/2 NW	T78	51
VICTORIA WARD LTD	956 QUEEN ST	1/4 - 1/2 NE	U80	52
PACIFIC NISSAN INC	670 AUAHI ST	1/4 - 1/2 NNW	V82	52
QUALEX INC	760 HALEKAUWILA ST	1/4 - 1/2 N	S86	55
ALA MOANA WASTEWATER PUMP STN	210 KEAWE ST	1/4 - 1/2 NW	T88	56
SHELL SERVICE STATION	520 WARD AVE	1/4 - 1/2 NE	U92	58
WAYNE S AUTO ELECTRIC, INC	858 QUEEN STREET	1/4 - 1/2 NNE	W94	59
TRANSMISSION SERVICE OF HAWAII	972 KAWAIAHAO ST	1/4 - 1/2 NE	U97	61
APIC CORP	435 KEAWE ST	1/4 - 1/2 NNW	V99	61
ANOTHER SHADOW INC	444 LEAWE ST	1/4 - 1/2 NNW	V101	62
548 COOKE ST	548 COOKE ST	1/4 - 1/2 N	Y102	62
AMENSTY DAY HAWAII	690 POHUKAINA STREET	1/4 - 1/2 N	Z104	64
CONTRACTOR EQUIP & SVC CORP	625 AUAHI ST	1/4 - 1/2 NNW	V105	64
BLAIR LTD	404 A WARD AVE	1/4 - 1/2 N	Y107	65
W H FIDDLER CO LTD	611 COOKE ST	1/4 - 1/2 NNE	Y108	65
J S AUTOMOTIVE	762 QUEEN ST	1/4 - 1/2 NNE	AA109	66
GM AUTOMOTIVE CENTER INC	1918 B ALGARROBA ST	1/4 - 1/2 NE	AC112	67
RAYMOND S PAINTING CO INC	738 QUEEN ST	1/4 - 1/2 NNE	AA116	69
BALLOONS & THINGS	993 WAIMANU STREET	1/4 - 1/2 ENE	X118	69
COOL AS NEW HAWAII	433 KAMAKEE ST	1/4 - 1/2 ENE	AF122	71
CONTRACTORS EQUIPMENT SERVICE	607 ALA MOANA BOULEVARD	1/4 - 1/2 NW	AG124	71
JAS W GLOVER LTD	1046 WAIMAMU ST	1/4 - 1/2 ENE	AH128	76
ABL COMPUTER TECH INC	875 WAIMANU ST	1/4 - 1/2 NE	AD129	76
WAIMANU SASH AND DOOR LTD	815 WAIMANU STREET	1/2 - 1 NNE	AB137	80
SYMPHONY PARK	KAPIOLANI BLVD & WARD A	1/2 - 1 NE	AJ141	82
GASCO INC	515 KAMAKEE ST	1/2 - 1 ENE	AF155	91
CONSOLIDATED ENVIRONMENTAL INC	1232 WAIMANU ST STE E 1	1/2 - 1 ENE	AH158	93
GLOBAL ENVIRONMENTAL SVCS GROU	1824 B KAHAI ST	1/2 - 1 ESE	162	95
QUALEX INC	1065 KAPIOLANI BLVD	1/2 - 1 ENE	AN168	98
PUNA BUG	555 SOUTH ST	1/2 - 1 N	AM172	100
C AND C HONOLULU AUDITORIUMS	777 WARD AVE	1/2 - 1 NE	AP176	102
MOTOR IMPORTS SERVICE DEPARTME	609 SOUTH STREET	1/2 - 1 N	AM177	102
KYLES SVC	869 KAWAIIHAAO	1/2 - 1 N	AO178	103
AUTO SURGEON	1111 KAPIOLANI BLVD	1/2 - 1 ENE	AS186	107
QUEEN EMMALANI TOWER	600 QUEEN ST	1/2 - 1 N	AO188	108
HOPAKA AUTO REPAIR	1141 HOPAKA ST	1/2 - 1 ENE	AT190	110
WARD AVENUE COMPLEX	820 WARD AVE	1/2 - 1 NE	AP193	112
AIR FLO EXPRESS INC	525 HALEKAUWILA STREET	1/2 - 1 NNW	197	116
ALOHA MOTORCYCLE U DRIVE INC	1216 WAIMANU ST	1/2 - 1 E	AU198	116
HONOLULU CELLULAR KAPIOLANI	1161 KAPIOLANI BLVD	1/2 - 1 ENE	AT200	117
HAWAII NEWSPAPER AGENCY, INC	605 KAPIOLANI BLVD	1/2 - 1 NNE	AQ203	119
WORD OF LIFE CHRISTIAN CENTER	544 QUEEN ST	1/2 - 1 N	AV205	119
WES S KAPIOLANI SHELL SERVICE	1204 KAPIOLANI BOULEVAR	1/2 - 1 ENE	AY211	122
HAWAIIAN ELECTRIC COMPANY HONO	170 ALA MOANA BOULEVARD	1/2 - 1 NNW	AX215	124
DAGS CSD ALIIAIMOKU HALE BLDG	869 PUNCHBOWL ST PENTHO	1/2 - 1 N	218	132
NAURU PHOSPHATE	404 PIIKOI STREET	1/2 - 1 E	AZ220	133



## EXECUTIVE SUMMARY

**ERNS:** The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2004 has revealed that there are 5 ERNS 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>
153 AHUI ST	153 AHUI ST	0 - 1/8 WSW	B11	14
1025 ALA MOANA BLVD	1025 ALA MOANA BLVD	1/8 - 1/4 NE	C14	16
IN THE KEWALO BASIN 41 AHUI ST	IN THE KEWALO BASIN 41	1/8 - 1/4 SW	F32	25
1085 ALAMOANA BLVD	1085 ALAMOANA BLVD	1/8 - 1/4 E	33	26
520 WARD AVENUE	520 WARD AVENUE	1/4 - 1/2 NE	U93	59

### STATE ASTM STANDARD

**SHWS:** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health.

A review of the SHWS list, as provided by EDR, and dated 08/24/2005 has revealed that there are 55 SHWS sites within approximately 1.5 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>KAKAAKO BROWNFIELD PROJECT-UNI</b>	<b>160 AHUI ST</b>	<b>0 - 1/8 W</b>	<b>B9</b>	<b>12</b>
<b>KAKAAKO BROWNFIELD PROJECT-UNI</b>	<b>59 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F23</b>	<b>20</b>
<b>C&amp;C WASTE WATER DIVISION MAINT</b>	<b>98 KOULA ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F26</b>	<b>22</b>
<b>KEWALO INCINERATOR/ASH DUMP</b>	<b>111 OHE ST</b>	<b>1/4 - 1/2 W</b>	<b>I37</b>	<b>27</b>
<b>UNDERGROUND HOISTS</b>	<b>744 ALA MOANA BLVD</b>	<b>1/4 - 1/2 NW</b>	<b>J46</b>	<b>32</b>
<b>ROBERTS HAWAII</b>	<b>759 KELIKOI ST</b>	<b>1/4 - 1/2 W</b>	<b>I48</b>	<b>34</b>
<b>KAKAAKO MAKAI GATEWAY</b>	<b>COOKE ST &amp; ILALO ST</b>	<b>1/4 - 1/2 WNW</b>	<b>M52</b>	<b>37</b>
<b>COOKE STREET LEAD CONTAMINATIO</b>	<b>501 COOKE ST</b>	<b>1/4 - 1/2 N</b>	<b>68</b>	<b>45</b>
<b>HAWAII INSTRUMENTATION &amp; CONTR</b>	<b>822 HALEKAUWILA ST</b>	<b>1/4 - 1/2 NNE</b>	<b>Q72</b>	<b>47</b>
<b>HCDA/UH HEALTH AND WELLNESS CE</b>	<b>651 ILALO ST</b>	<b>1/4 - 1/2 NW</b>	<b>T77</b>	<b>50</b>
<b>KAKAAKO PUMP STATION</b>	<b>240 KEAWE ST</b>	<b>1/4 - 1/2 NW</b>	<b>T85</b>	<b>54</b>
<b>ALA MOANA #2 WWPS</b>	<b>210 KEAWE ST</b>	<b>1/4 - 1/2 NW</b>	<b>T87</b>	<b>55</b>
<b>AMERICAN LINEN WAREHOUSE</b>	<b>837 KAWAIAHAO ST</b>	<b>1/4 - 1/2 NNE</b>	<b>AB113</b>	<b>67</b>
<b>SELF STORAGE 1</b>	<b>438 KAMAKEE ST</b>	<b>1/4 - 1/2 ENE</b>	<b>AF126</b>	<b>73</b>
<b>GLOVER BUILDING</b>	<b>1046 WAIMANU ST</b>	<b>1/4 - 1/2 ENE</b>	<b>AH127</b>	<b>74</b>
<b>SYMPHONY PARK</b>	<b>850 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD145</b>	<b>84</b>
<b>HDC PROPERTIES, STAINED SOILS</b>	<b>1015 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AH147</b>	<b>85</b>
<b>CHUEI SHOKOH, INC.</b>	<b>825 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD150</b>	<b>87</b>
<b>HECO SOIL CONTAMINATION CHAPIN</b>	<b>CHAPIN LN / KAPIOLANI</b>	<b>1/2 - 1 NE</b>	<b>AD154</b>	<b>91</b>
<b>RESERVE HOUSING TOWER SOIL CON</b>	<b>1141 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AK159</b>	<b>93</b>
<b>BMW OF HONOLULU</b>	<b>777 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AL160</b>	<b>94</b>
<b>AMELCO CORPORATION</b>	<b>645 HALEKAUWILA ST</b>	<b>1/2 - 1 N</b>	<b>AM164</b>	<b>96</b>
<b>HD&amp;C, 725 KAPIOLANI BOULEVARD</b>	<b>725 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AR185</b>	<b>106</b>
<b>QUEEN EMMALANI TOWER</b>	<b>600 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO188</b>	<b>108</b>
<b>KOOLANI TOWER PROJECT</b>	<b>1189 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AU191</b>	<b>110</b>
<b>MOTOR IMPORTS</b>	<b>650 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AW207</b>	<b>120</b>
<b>HAWAIIAN ELECTRIC COMPANY HONO</b>	<b>170 ALA MOANA BOULEVARD</b>	<b>1/2 - 1 NNW</b>	<b>AX215</b>	<b>124</b>
<b>EVERSHINE X</b>	<b>1230 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>AY217</b>	<b>131</b>
<b>ONE ARCHER LANE</b>	<b>801 S KING ST</b>	<b>1/2 - 1 NNE</b>	<b>BB226</b>	<b>136</b>
<b>HONOLULU HARBOR IWILEI DISTRIC</b>	<b>615 PIIKOI ST</b>	<b>1/2 - 1 E</b>	<b>BC232</b>	<b>143</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CUTTER CHEVROLET</b>	<b>1391 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>BD241</b>	<b>150</b>
<b>HAKUYOSHA HAWAII, INC</b>	<b>730 SHERIDAN ST</b>	<b>1 - 2 E</b>	<b>244</b>	<b>153</b>
<b>1012 PIIKOI STREET, ANIN-PIIKO</b>	<b>1012 PIIKOI ST</b>	<b>1 - 2 ENE</b>	<b>245</b>	<b>153</b>
<b>CHEVRON USA, INC.</b>	<b>1001 BISHOP ST</b>	<b>1 - 2 N</b>	<b>246</b>	<b>156</b>
<b>HARBOR COURT</b>	<b>66 QUEEN ST</b>	<b>1 - 2 NNW</b>	<b>247</b>	<b>156</b>
<b>LIKE LIKE PLAZA PETROLEUM CONT</b>	<b>745 KEEAUMOKU ST</b>	<b>1 - 2 E</b>	<b>248</b>	<b>157</b>
<b>1551 KAPIOLANI BOULEVARD</b>	<b>1551 KAPIOLANI BLVD</b>	<b>1 - 2 E</b>	<b>249</b>	<b>157</b>
<b>CAPITOL PLACE DEVELOPMENTAL PR</b>	<b>1212 QUEEN EMMA ST</b>	<b>1 - 2 N</b>	<b>250</b>	<b>159</b>
<b>1510 FREAR STREET</b>	<b>1510 FREAR ST</b>	<b>1 - 2 NNE</b>	<b>251</b>	<b>159</b>
<b>SCHUMAN CARRIAGE MOTORS, LTD.</b>	<b>1234 S BERETANIA ST</b>	<b>1 - 2 ENE</b>	<b>252</b>	<b>160</b>
<b>SAND ISLAND BUSINESS ASSOCIATI</b>	<b>1020 ULUPONO ST</b>	<b>1 - 2 NW</b>	<b>253</b>	<b>162</b>
<b>YACHT HARBOR TOWERS</b>	<b>1600 ALA MOANA BLVD</b>	<b>1 - 2 ESE</b>	<b>254</b>	<b>162</b>
<b>USCG BASE HONOLULU</b>	<b>400 SAND ISLAND PKWY</b>	<b>1 - 2 NW</b>	<b>255</b>	<b>163</b>
<b>MEADOW GOLD DAIRIES (ICE CREAM</b>	<b>1418 YOUNG ST</b>	<b>1 - 2 ENE</b>	<b>256</b>	<b>171</b>
<b>YEE HOP BUILDING MAUNAKEA STRE</b>	<b>950 MAUNAKEA ST</b>	<b>1 - 2 NNW</b>	<b>257</b>	<b>175</b>
<b>KEKAULIKE DIAMOND HEAD BLOCK R</b>	<b>163 N HOTEL ST</b>	<b>1 - 2 NNW</b>	<b>258</b>	<b>176</b>
<b>CARTWRIGHT NEIGHBORHOOD PARK</b>	<b>KEEAUMOKU ST &amp; MATLOCK</b>	<b>1 - 2 ENE</b>	<b>259</b>	<b>177</b>
<b>ALOHA/KING SELF STORAGE</b>	<b>1414 KALAKAUA AVE</b>	<b>1 - 2 ENE</b>	<b>260</b>	<b>177</b>
<b>HOBRON HOTEL</b>	<b>1744 KAIOO DR</b>	<b>1 - 2 ESE</b>	<b>261</b>	<b>178</b>
<b>ALOHA 7-ELEVEN KALAKAUA</b>	<b>1323 KALAKAUA AVE</b>	<b>1 - 2 ENE</b>	<b>263</b>	<b>179</b>
<b>ALOHA MOTORS</b>	<b>1777 KAPIOLANI BLVD</b>	<b>1 - 2 E</b>	<b>BE264</b>	<b>179</b>
<b>TOWN INN</b>	<b>248-258 N BERETANIA ST</b>	<b>1 - 2 N</b>	<b>265</b>	<b>181</b>
<b>FORMER KALAKAUA TRANSMISSION I</b>	<b>1665 KALAKAUA AVE</b>	<b>1 - 2 E</b>	<b>BE266</b>	<b>183</b>
<b>ROGER'S REPAIR INC</b>	<b>1687 KALAKAUA AVE</b>	<b>1 - 2 E</b>	<b>BE267</b>	<b>183</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>215 NORTH KING STREET CONSTRUC</b>	<b>215 N KING ST</b>	<b>1 - 2 NNW</b>	<b>262</b>	<b>178</b>

**SWF/LF:** The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Health's Permitted Landfills in the State of Hawaii database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF 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>KEWALO ASH DUMP</b>		<b>1/8 - 1/4 SSE</b>	<b>16</b>	<b>16</b>
<b>KAPIOLANI</b>		<b>1/2 - 1 ENE</b>	<b>223</b>	<b>134</b>

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health's Active Leaking Underground Storage Tank Log Listing.

A review of the LUST list, as provided by EDR, and dated 08/01/2005 has revealed that there are 86 LUST 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>WRAF - HAWAIIAN TUNA PACKERS</b>	<b>1011 ALA MOANA BLVD</b>	<b>0 - 1/8 NNE</b>	<b>C13</b>	<b>15</b>
<b>NEW CITY NISSAN</b>	<b>900 ALA MOANA BLVD</b>	<b>1/8 - 1/4 NNW</b>	<b>D17</b>	<b>17</b>
<b>ELECTRICAL &amp; MAINTENANCE SERV.</b>	<b>160 KOULA ST</b>	<b>1/8 - 1/4 W</b>	<b>E18</b>	<b>17</b>
<b>GRG ENTERPRISE INC. BASIN MARI</b>	<b>115 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F21</b>	<b>19</b>

## EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
<b>CUTTER MOTOR CARS, INC</b>	<b>800 ALA MOANA BLVD</b>	<b>1/8 - 1/4NNW</b>	<b>H28</b>	<b>23</b>
TESORO GAS EXPRESS #11	940 AUAHI ST	1/8 - 1/4NE	G30	24
<b>KEWALO MARINE SERVICES</b>	<b>1125C ALA MOANA BLVD</b>	<b>1/8 - 1/4NNE</b>	<b>G34</b>	<b>26</b>
<b>FULLER O'BRIEN PAINT</b>	<b>770 ALA MOANA BLVD</b>	<b>1/8 - 1/4NW</b>	<b>H35</b>	<b>26</b>
<b>GEM DEPARTMENT</b>	<b>333 WARD AVE</b>	<b>1/4 - 1/2NE</b>	<b>36</b>	<b>27</b>
KEWALO INCINERATOR	111 OHE ST	1/4 - 1/2W	I38	28
<b>MARKET CENTER SERVICE STATION</b>	<b>1020 AUAHI ST</b>	<b>1/4 - 1/2ENE</b>	<b>K42</b>	<b>30</b>
<b>ARA SERVICES INC.</b>	<b>746 AUAHI ST</b>	<b>1/4 - 1/2NNW</b>	<b>L44</b>	<b>31</b>
<b>FORMER SHELLY MOTORS AUTO SALE</b>	<b>744 ALA MOANA BLVD</b>	<b>1/4 - 1/2NW</b>	<b>J45</b>	<b>32</b>
<b>ROBERTS HAWAII TOURS</b>	<b>759 KELIKOI ST</b>	<b>1/4 - 1/2W</b>	<b>I49</b>	<b>35</b>
MCWAYNE MARINE SUPPLY	1125 ALA MOANA BLVD	1/4 - 1/2E	O56	39
HONOLULU SHIP SUPPLY	834 POHUKAINA ST	1/4 - 1/2N	N59	40
<b>HONOLULU FORD</b>	<b>711 ALA MOANA BLVD</b>	<b>1/4 - 1/2NW</b>	<b>P63</b>	<b>42</b>
<b>THEO DAVIES EUROMOTORS</b>	<b>704 ALA MOANA BOULEVARD</b>	<b>1/4 - 1/2NW</b>	<b>P64</b>	<b>43</b>
<b>420 WARD AVE</b>	<b>420 WARD AVE/901 ILANIW</b>	<b>1/4 - 1/2NE</b>	<b>R67</b>	<b>44</b>
<b>COMPUTER CITY AT WARD VILLAGE</b>	<b>1108 AUAHI ST</b>	<b>1/4 - 1/2E</b>	<b>69</b>	<b>46</b>
<b>PRODUCE CENTER DEV.LTD.</b>	<b>651 ILALO ST</b>	<b>1/4 - 1/2NW</b>	<b>T76</b>	<b>49</b>
<b>HAWAIIAN HARDWOOD CO., LTD</b>	<b>935 QUEEN ST</b>	<b>1/4 - 1/2NE</b>	<b>R79</b>	<b>51</b>
<b>RAY'S AUTO SERVICE</b>	<b>959 QUEEN ST</b>	<b>1/4 - 1/2NE</b>	<b>U81</b>	<b>52</b>
<b>H. HAMADA STORE INC.</b>	<b>885 QUEEN ST</b>	<b>1/4 - 1/2NNE</b>	<b>W84</b>	<b>53</b>
<b>CENTRAL DIVISION HEADQUARTERS</b>	<b>207 KEAWE ST</b>	<b>1/4 - 1/2NW</b>	<b>T90</b>	<b>57</b>
<b>FRENCH WRENCH CORP.</b>	<b>520 WARD AVE</b>	<b>1/4 - 1/2NE</b>	<b>U91</b>	<b>57</b>
<b>SERVICE AUTO MACHINE WORKS</b>	<b>518 CUMMINS ST</b>	<b>1/4 - 1/2ENE</b>	<b>X95</b>	<b>60</b>
<b>HAWAII COMMUNITY DEVELOPMENT A</b>	<b>548 COOKE ST</b>	<b>1/4 - 1/2N</b>	<b>Y103</b>	<b>63</b>
<b>TAI HING CO., INC.</b>	<b>1023 KAWAIAHAO ST</b>	<b>1/4 - 1/2ENE</b>	<b>X106</b>	<b>64</b>
HAWAIIAN SECURITIES & REALTY,	819, 835 / 841 KAWAIAHA	1/4 - 1/2NNE	AB111	66
<b>TIRE RECAP SERVICE</b>	<b>526 KEAWE ST</b>	<b>1/4 - 1/2N</b>	<b>Z115</b>	<b>68</b>
<b>HONOLULU LAUNDRY CO., LTD.</b>	<b>438 KAMAKEE ST</b>	<b>1/4 - 1/2ENE</b>	<b>AF125</b>	<b>72</b>
<b>JAS W GLOVER LTD</b>	<b>1046 WAIMAMU ST</b>	<b>1/4 - 1/2ENE</b>	<b>AH128</b>	<b>76</b>
SAN AUTO BODY AND PAINTING	1058 WAIMANU ST	1/2 - 1 ENE	AH130	77
<b>FINOVA HAWAIIAN HOLDINGS, LLC</b>	<b>701 S QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AI132</b>	<b>77</b>
<b>SZYMANSKI PROPERTIES LLC</b>	<b>757 KAWAIAHAO ST</b>	<b>1/2 - 1 NNE</b>	<b>AA133</b>	<b>78</b>
<b>GENSIRO KAWAMOTO</b>	<b>630 KEAWE ST</b>	<b>1/2 - 1 N</b>	<b>139</b>	<b>81</b>
<b>HONOLULU HAWAII AUTO REPAIR</b>	<b>1111 WAIMANU ST</b>	<b>1/2 - 1 ENE</b>	<b>AF140</b>	<b>81</b>
7-11 ALA MOANA	1260 ALA MOANA BLVD	1/2 - 1 ESE	AE144	84
<b>SHELLY MOTORS INC.</b>	<b>830 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD148</b>	<b>86</b>
KAPIOLANI X CHAPIN	KAPIOLANI BLVD X CHAPIN	1/2 - 1 NE	AD149	86
FORMER "HOTEL - YOUNG LAUNDRY"	825 KAPIOLANI BLVD	1/2 - 1 NE	AD152	90
<b>POHULANI ELDERLY PROJECT</b>	<b>677 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AI153</b>	<b>90</b>
<b>GASCO, INC.</b>	<b>515 KAMAKEE ST</b>	<b>1/2 - 1 ENE</b>	<b>AF156</b>	<b>91</b>
CHUEI SHOKO	777 KAPIOLANI BLVD	1/2 - 1 NNE	AL161	95
<b>BOB CISCO</b>	<b>1152 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AK165</b>	<b>97</b>
KODAK BUILDING	1065 KAPIOLANI BLVD	1/2 - 1 ENE	AN169	98
<b>INTERNATIONAL LIFE SUPPORT</b>	<b>633 HALEKAUWILA ST</b>	<b>1/2 - 1 N</b>	<b>AM170</b>	<b>99</b>
<b>EUROCARE/KEICO PACIFIC/SHONS A</b>	<b>545 SOUTH ST</b>	<b>1/2 - 1 NNW</b>	<b>AM171</b>	<b>99</b>
<b>AMELCO BUILDING (SERVICE STATI</b>	<b>603 HALEKAUWILA ST</b>	<b>1/2 - 1 N</b>	<b>AM173</b>	<b>100</b>
<b>GENSIRO KAWAMOTO</b>	<b>627 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO174</b>	<b>101</b>
<b>REED LANE WAREHOUSE</b>	<b>556 REED LN</b>	<b>1/2 - 1 NNW</b>	<b>175</b>	<b>101</b>
<b>MOTOR IMPORTS SERVICE DEPARTME</b>	<b>609 SOUTH STREET</b>	<b>1/2 - 1 N</b>	<b>AM177</b>	<b>102</b>
<b>CBI, INC</b>	<b>614 SOUTH ST</b>	<b>1/2 - 1 N</b>	<b>AM180</b>	<b>104</b>
<b>FORT ARMSTRONG PARKING LOT (MO</b>	<b>BUFORD AND PLEASANTON A</b>	<b>1/2 - 1 NW</b>	<b>181</b>	<b>104</b>
<b>KAKAAKO FIRE DEPARTMENT MECHAN</b>	<b>620 SOUTH ST</b>	<b>1/2 - 1 N</b>	<b>AM182</b>	<b>105</b>
<b>IMPERIAL PLAZA</b>	<b>725 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AR184</b>	<b>106</b>
<b>TEXACO STATION #61-100-0051</b>	<b>1111 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AS187</b>	<b>107</b>
<b>AAA HAWAII BUILDING</b>	<b>590 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO189</b>	<b>109</b>
<b>GTE HAWAIIAN TEL WAIMANU BASEY</b>	<b>1192 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AU192</b>	<b>111</b>

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>WARD AVENUE COMPLEX</b>	<b>820 WARD AVE</b>	<b>1/2 - 1 NE</b>	<b>AP194</b>	<b>113</b>
<b>MCKINLEY CAR WASH</b>	<b>1139 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AS195</b>	<b>114</b>
<b>K &amp; Y CHEVRON 91524</b>	<b>571 S QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AV196</b>	<b>115</b>
<b>KAKAOKO FIRE STATION</b>	<b>555 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AV199</b>	<b>117</b>
<b>HAWAII NEWSPAPER AGENCY, INC.</b>	<b>605 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AQ202</b>	<b>118</b>
<b>WES'S KAPIOLANI SHELL SERVICE</b>	<b>1204 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AY210</b>	<b>121</b>
<b>KAPIOLANI BOWL</b>	<b>KAPIOLANI BLVD X WARD A</b>	<b>1/2 - 1 NNE</b>	<b>AW212</b>	<b>123</b>
<b>NAURU PHOSPHATE ROYALTIES TRUS</b>	<b>404 PIIKOI ST/1330 ALA</b>	<b>1/2 - 1 E</b>	<b>AZ213</b>	<b>123</b>
<b>SHELLY MAZDA SERVICE AREA</b>	<b>CHAPIN ST</b>	<b>1/2 - 1 NNE</b>	<b>AW216</b>	<b>131</b>
<b>TESORO GAS EXPRESS KING &amp; COOK</b>	<b>759 S KING ST</b>	<b>1/2 - 1 NNE</b>	<b>BB224</b>	<b>134</b>
<b>SCAN LINE BUILDING</b>	<b>788 S KING ST</b>	<b>1/2 - 1 NNE</b>	<b>BB225</b>	<b>136</b>
<b>ONE ARCHER LANE (FORMERLY KING</b>	<b>809 S KING ST</b>	<b>1/2 - 1 NNE</b>	<b>BB227</b>	<b>139</b>
<b>ALOHA ALA MOANA</b>	<b>451 PIIKOI ST</b>	<b>1/2 - 1 E</b>	<b>AZ228</b>	<b>139</b>
<b>STRAUB CLINIC &amp; HOSPITAL INC.</b>	<b>888 S KING ST</b>	<b>1/2 - 1 NE</b>	<b>229</b>	<b>140</b>
<b>MTL BUS FACILITY</b>	<b>1133 ALAPAI ST</b>	<b>1/2 - 1 NNE</b>	<b>BA230</b>	<b>141</b>
<b>CENPAC PROPERTIES - OFFICE BUI</b>	<b>615 PIIKOI ST</b>	<b>1/2 - 1 E</b>	<b>BC231</b>	<b>143</b>
<b>RAINBOW CHEVROLET INC</b>	<b>630 PIIKOI ST</b>	<b>1/2 - 1 E</b>	<b>BC233</b>	<b>143</b>
<b>ALA MOANA UNOCAL</b>	<b>1322 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>BC234</b>	<b>145</b>
<b>MELIM BLDG</b>	<b>333 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>235</b>	<b>146</b>
<b>HARBOR SQUARE ASSOCIATION</b>	<b>700 RICHARDS ST</b>	<b>1/2 - 1 NNW</b>	<b>236</b>	<b>146</b>
<b>BERETANIA STATION</b>	<b>630 S BERETANIA ST</b>	<b>1/2 - 1 NNE</b>	<b>237</b>	<b>147</b>
<b>7-11 MOANALUA</b>	<b>C/O MOANALUA SHOPPING C</b>	<b>1/2 - 1 E</b>	<b>238</b>	<b>148</b>
<b>MID PAC PETROLEUM LLC # 270595</b>	<b>882 S BERETANIA ST</b>	<b>1/2 - 1 NE</b>	<b>239</b>	<b>148</b>
<b>KALANIMOKU BLDG</b>	<b>TMK 2-1-24:01 1151 PUN</b>	<b>1/2 - 1 N</b>	<b>240</b>	<b>150</b>
<b>CUTTER CHEVROLET-GEO-PONTIAC</b>	<b>1391 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>BD242</b>	<b>151</b>
<b>SEARS ROEBUCK &amp; COMPANY #1158</b>	<b>1450 ALA MOANA BLVD #10</b>	<b>1/2 - 1 ESE</b>	<b>243</b>	<b>151</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 Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 08/01/2005 has revealed that there are 101 UST sites within approximately 0.75 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>HONOLULU CORPORATION YARD</b>	<b>160 AHUI ST</b>	<b>0 - 1/8 W</b>	<b>B8</b>	<b>12</b>
<b>WRAF - HAWAIIAN TUNA PACKERS</b>	<b>1011 ALA MOANA BLVD</b>	<b>0 - 1/8 NNE</b>	<b>C13</b>	<b>15</b>
<b>NEW CITY NISSAN</b>	<b>900 ALA MOANA BLVD</b>	<b>1/8 - 1/4NNW</b>	<b>D17</b>	<b>17</b>
<b>ELECTRICAL &amp; MAINTENANCE SERV.</b>	<b>160 KOULA ST</b>	<b>1/8 - 1/4 W</b>	<b>E18</b>	<b>17</b>
<b>GRG ENTERPRISE INC. BASIN MARI</b>	<b>115 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F21</b>	<b>19</b>
<b>KGU RADIO STATION</b>	<b>111 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F22</b>	<b>20</b>
<b>CUTTER MOTOR CARS, INC</b>	<b>800 ALA MOANA BLVD</b>	<b>1/8 - 1/4 NNW</b>	<b>H28</b>	<b>23</b>
<b>TESORO GAS EXPRESS #11</b>	<b>940 AUAHI ST</b>	<b>1/8 - 1/4 NE</b>	<b>G31</b>	<b>24</b>
<b>KEWALO MARINE SERVICES</b>	<b>1125C ALA MOANA BLVD</b>	<b>1/8 - 1/4 NNE</b>	<b>G34</b>	<b>26</b>
<b>FULLER O'BRIEN PAINT</b>	<b>770 ALA MOANA BLVD</b>	<b>1/8 - 1/4 NW</b>	<b>H35</b>	<b>26</b>
<b>GEM DEPARTMENT</b>	<b>333 WARD AVE</b>	<b>1/4 - 1/2 NE</b>	<b>36</b>	<b>27</b>
<b>LOOK LAB</b>	<b>811 OLOMEHANI ST</b>	<b>1/4 - 1/2 W</b>	<b>I39</b>	<b>29</b>
<b>CHEVRON USA INC.</b>	<b>753 ALA MOANA BLVD</b>	<b>1/4 - 1/2 NW</b>	<b>J40</b>	<b>29</b>
<b>MARKET CENTER SERVICE STATION</b>	<b>1020 AUAHI ST</b>	<b>1/4 - 1/2 ENE</b>	<b>K42</b>	<b>30</b>
<b>ARA SERVICES INC.</b>	<b>746 AUAHI ST</b>	<b>1/4 - 1/2 NNW</b>	<b>L44</b>	<b>31</b>
<b>FORMER SHELLY MOTORS AUTO SALE</b>	<b>744 ALA MOANA BLVD</b>	<b>1/4 - 1/2 NW</b>	<b>J45</b>	<b>32</b>
<b>ROBERTS HAWAII TOURS</b>	<b>759 KELIKOI ST</b>	<b>1/4 - 1/2 W</b>	<b>I49</b>	<b>35</b>
<b>MCWAYNE MARINE SUPPLY</b>	<b>1125 ALA MOANA BLVD</b>	<b>1/4 - 1/2 E</b>	<b>O55</b>	<b>38</b>
<b>HONOLULU SHIP SUPPLY</b>	<b>834 POHUKAINA ST</b>	<b>1/4 - 1/2 N</b>	<b>N58</b>	<b>40</b>



## EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DCL - HONOLULU SHIP SUPPLY	506 AHUI ST	1/4 - 1/2NNE	N61	41
<b>HONOLULU FORD</b>	<b>711 ALA MOANA BLVD</b>	<b>1/4 - 1/2NW</b>	<b>P63</b>	<b>42</b>
<b>THEO DAVIES EUROMOTORS</b>	<b>704 ALA MOANA BOULEVARD</b>	<b>1/4 - 1/2NW</b>	<b>P64</b>	<b>43</b>
A COMPLETE SILK SCREEN SHOP	860 HALEKAUWILA ST	1/4 - 1/2NNE	Q66	44
<b>420 WARD AVE</b>	<b>420 WARD AVE/901 ILANIW</b>	<b>1/4 - 1/2NE</b>	<b>R67</b>	<b>44</b>
<b>COMPUTER CITY AT WARD VILLAGE</b>	<b>1108 AUAAHI ST</b>	<b>1/4 - 1/2E</b>	<b>69</b>	<b>46</b>
AMFAC DIST. HI -BLDG MATERIALS	465 CORAL ST	1/4 - 1/2NNW	73	49
CLARA TAKEKUCHI	848 ILANIWAI ST	1/4 - 1/2NNE	Q74	49
TODOKI MACHINE & MARINE WORKS	810 HALEKAUWILA ST	1/4 - 1/2NNE	S75	49
<b>PRODUCE CENTER DEV.LTD.</b>	<b>651 ILALO ST</b>	<b>1/4 - 1/2NW</b>	<b>T76</b>	<b>49</b>
<b>HAWAIIAN HARDWOOD CO., LTD</b>	<b>935 QUEEN ST</b>	<b>1/4 - 1/2NE</b>	<b>R79</b>	<b>51</b>
<b>RAY'S AUTO SERVICE</b>	<b>959 QUEEN ST</b>	<b>1/4 - 1/2NE</b>	<b>U81</b>	<b>52</b>
HAWAII COMMUNITY DEVELOPMENT A	524 COOKE ST	1/4 - 1/2N	S83	53
<b>H. HAMADA STORE INC.</b>	<b>885 QUEEN ST</b>	<b>1/4 - 1/2NNE</b>	<b>W84</b>	<b>53</b>
ALA MOANA WASTEWATER PUMP STAT	210 KEAWE ST	1/4 - 1/2NW	T89	57
<b>CENTRAL DIVISION HEADQUARTERS</b>	<b>207 KEAWE ST</b>	<b>1/4 - 1/2NW</b>	<b>T90</b>	<b>57</b>
<b>FRENCH WRENCH CORP.</b>	<b>520 WARD AVE</b>	<b>1/4 - 1/2NE</b>	<b>U91</b>	<b>57</b>
<b>SERVICE AUTO MACHINE WORKS</b>	<b>518 CUMMINS ST</b>	<b>1/4 - 1/2ENE</b>	<b>X95</b>	<b>60</b>
VICTORIA WARD LTD	956 KAWAIAHAO ST	1/4 - 1/2NE	U96	60
VICTORIA WARD LTD	955 KAWAIAHAO ST	1/4 - 1/2NE	U98	61
REGO'S PURITY FOODS CO., INC.	942 KAWAIAHAO ST	1/4 - 1/2NE	U100	62
<b>HAWAII COMMUNITY DEVELOPMENT A</b>	<b>548 COOKE ST</b>	<b>1/4 - 1/2N</b>	<b>Y103</b>	<b>63</b>
<b>TAI HING CO., INC.</b>	<b>1023 KAWAIAHAO ST</b>	<b>1/4 - 1/2ENE</b>	<b>X106</b>	<b>64</b>
HAWAIIAN SECURITIES & REALTY,	819, 835 AND 841 KAWAIA	1/4 - 1/2NNE	AB110	66
STEINER CORPORATION	837 KAWAIAHAO ST	1/4 - 1/2NNE	AB114	68
<b>TIRE RECAP SERVICE</b>	<b>526 KEAWE ST</b>	<b>1/4 - 1/2N</b>	<b>Z115</b>	<b>68</b>
T W SYSTEMS	955 WAIMANU ST	1/4 - 1/2NE	AC117	69
ZIROLI CO	905 WAIMANU ST	1/4 - 1/2NE	AD119	70
IBM CORPORATION	1240 ALA MOANA BLVD	1/4 - 1/2ESE	AE120	70
STANDARD PLUMBING, INC.	894 WAIMANU ST	1/4 - 1/2NE	AD121	70
<b>HONOLULU LAUNDRY CO., LTD.</b>	<b>438 KAMAKEE ST</b>	<b>1/4 - 1/2ENE</b>	<b>AF125</b>	<b>72</b>
<b>JAS W GLOVER LTD</b>	<b>1046 WAIMAMU ST</b>	<b>1/4 - 1/2ENE</b>	<b>AH128</b>	<b>76</b>
SAN AUTO BODY AND PAINTING	1058 WAIMANU ST	1/2 - 1 ENE	AH131	77
<b>FINOVA HAWAIIAN HOLDINGS, LLC</b>	<b>701 S QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AI132</b>	<b>77</b>
<b>SZYMANSKI PROPERTIES LLC</b>	<b>757 KAWAIAHAO ST</b>	<b>1/2 - 1 NNE</b>	<b>AA133</b>	<b>78</b>
STEVEN S. NAGAMINE	574 ALA MOANA BLVD	1/2 - 1 NW	AG135	79
FLAMINGO ENTERPRISES, INC.	574 ALA MOANA BLVD	1/2 - 1 NW	AG136	79
WAIMANU SASH & DOOR, LTD.	815 WAIMANU ST	1/2 - 1 NNE	AB138	80
<b>GENSIRO KAWAMOTO</b>	<b>630 KEAWE ST</b>	<b>1/2 - 1 N</b>	<b>139</b>	<b>81</b>
<b>HONOLULU HAWAII AUTO REPAIR</b>	<b>1111 WAIMANU ST</b>	<b>1/2 - 1 ENE</b>	<b>AF140</b>	<b>81</b>
7-11 ALA MOANA	1260 ALA MOANA BLVD	1/2 - 1 ESE	AE143	83
1011 KAPIOLANI BLVD	1011 KAPIOLANI BLVD	1/2 - 1 ENE	AH146	85
<b>SHELLY MOTORS INC.</b>	<b>830 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD148</b>	<b>86</b>
FORMER "HOTEL - YOUNG LAUNDRY"	825 KAPIOLANI BLVD	1/2 - 1 NE	AD151	89
<b>POHULANI ELDERLY PROJECT</b>	<b>677 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AI153</b>	<b>90</b>
<b>GASCO, INC.</b>	<b>515 KAMAKEE ST</b>	<b>1/2 - 1 ENE</b>	<b>AF156</b>	<b>91</b>
NAURU PHOSPHATE ROYALTIES DEV	1137 WAIMANU ST	1/2 - 1 E	AK157	92
<b>BOB CISCO</b>	<b>1152 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AK165</b>	<b>97</b>
CHUEI SHOKO	777 KAPIOLANI BLVD	1/2 - 1 NNE	AL166	97
KODAK BUILDING	1065 KAPIOLANI BLVD	1/2 - 1 ENE	AN167	98
<b>INTERNATIONAL LIFE SUPPORT</b>	<b>633 HALEKAUWILA ST</b>	<b>1/2 - 1 N</b>	<b>AM170</b>	<b>99</b>
<b>EUROCARE/KEICO PACIFIC/SHONS A</b>	<b>545 SOUTH ST</b>	<b>1/2 - 1 NNW</b>	<b>AM171</b>	<b>99</b>
<b>AMELCO BUILDING (SERVICE STATI</b>	<b>603 HALEKAUWILA ST</b>	<b>1/2 - 1 N</b>	<b>AM173</b>	<b>100</b>
<b>GENSIRO KAWAMOTO</b>	<b>627 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO174</b>	<b>101</b>
<b>REED LANE WAREHOUSE</b>	<b>556 REED LN</b>	<b>1/2 - 1 NNW</b>	<b>175</b>	<b>101</b>
<b>MOTOR IMPORTS SERVICE DEPARTME</b>	<b>609 SOUTH STREET</b>	<b>1/2 - 1 N</b>	<b>AM177</b>	<b>102</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
A T & T COMMUNICATION	500 ALA MOANA BLVD. #21	1/2 - 1 NNW	179	103
<b>CBI, INC</b>	<b>614 SOUTH ST</b>	<b>1/2 - 1 N</b>	<b>AM180</b>	<b>104</b>
<b>FORT ARMSTRONG PARKING LOT (MO</b>	<b>BUFORD AND PLEASANTON A</b>	<b>1/2 - 1 NW</b>	<b>181</b>	<b>104</b>
<b>KAKAAKO FIRE DEPARTMENT MECHAN</b>	<b>620 SOUTH ST</b>	<b>1/2 - 1 N</b>	<b>AM182</b>	<b>105</b>
CHARLES AND JANET FUJII	901-905 WAIMANU ST	1/2 - 1 NNE	AQ183	105
<b>IMPERIAL PLAZA</b>	<b>725 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AR184</b>	<b>106</b>
<b>TEXACO STATION #61-100-0051</b>	<b>1111 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AS187</b>	<b>107</b>
<b>AAA HAWAII BUILDING</b>	<b>590 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AO189</b>	<b>109</b>
<b>GTE HAWAIIAN TEL WAIMANU BASEY</b>	<b>1192 WAIMANU ST</b>	<b>1/2 - 1 E</b>	<b>AU192</b>	<b>111</b>
<b>WARD AVENUE COMPLEX</b>	<b>820 WARD AVE</b>	<b>1/2 - 1 NE</b>	<b>AP194</b>	<b>113</b>
<b>MCKINLEY CAR WASH</b>	<b>1139 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AS195</b>	<b>114</b>
<b>K &amp; Y CHEVRON 91524</b>	<b>571 S QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AV196</b>	<b>115</b>
<b>KAKAAKO FIRE STATION</b>	<b>555 QUEEN ST</b>	<b>1/2 - 1 N</b>	<b>AV199</b>	<b>117</b>
HONOLULU CELLULAR TELEPHONE CO	1161 KAPIOLANI BLVD	1/2 - 1 ENE	AT201	118
<b>HAWAII NEWSPAPER AGENCY, INC.</b>	<b>605 KAPIOLANI BLVD</b>	<b>1/2 - 1 NNE</b>	<b>AQ202</b>	<b>118</b>
HONUAKAHA AFFORDABLE HOUSING C	545 QUEEN ST	1/2 - 1 N	AV204	119
SERVCO PACIFIC	650 KAPIOLANI BLVD	1/2 - 1 NNE	AW206	120
PRINCE KUHO FEDERAL BLDG.	300 ALA MOANA BLVD	1/2 - 1 NNW	AX208	121
KAAHUMANU HALE	777 PUNCHBOWL ST	1/2 - 1 NNW	209	121
<b>WES'S KAPIOLANI SHELL SERVICE</b>	<b>1204 KAPIOLANI BLVD</b>	<b>1/2 - 1 ENE</b>	<b>AY210</b>	<b>121</b>
<b>KAPIOLANI BOWL</b>	<b>KAPIOLANI BLVD X WARD A</b>	<b>1/2 - 1 NNE</b>	<b>AW212</b>	<b>123</b>
HONOLULU GENERATING STATION	170 ALA MOANA BLVD	1/2 - 1 NNW	AX214	123
<b>SHELLY MAZDA SERVICE AREA</b>	<b>CHAPIN ST</b>	<b>1/2 - 1 NNE</b>	<b>AW216</b>	<b>131</b>
HONOLULU MUNICIPAL BLDG	650 S KING ST	1/2 - 1 NNE	AW219	132
CIVIC CENTER PARKING STRUCTURE	1100 ALAPAI ST	1/2 - 1 NNE	BA221	133
DURANT REALTY CORP	450 PIIKOI ST	1/2 - 1 E	AZ222	134

### VCP: Voluntary Response Program Sites.

A review of the VCP list, as provided by EDR, and dated 01/05/2005 has revealed that there are 2 VCP 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>CHUEI SHOKOH, INC.</b>	<b>825 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD150</b>	<b>87</b>
<b>EVERSHINE X</b>	<b>1230 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>AY217</b>	<b>131</b>

### BROWNFIELDS DATABASES

#### BROWNFIELDS: Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 08/18/2005 has revealed that there are 3 BROWNFIELDS 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>KAKAAKO BROWNFIELD PROJECT-UNI</b>	<b>160 AHUI ST</b>	<b>0 - 1/8 W</b>	<b>B9</b>	<b>12</b>
<b>KAKAAKO BROWNFIELD PROJECT-UNI</b>	<b>59 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F23</b>	<b>20</b>
<b>KAKAAKO PUMP STATION</b>	<b>240 KEAWE ST</b>	<b>1/4 - 1/2 NW</b>	<b>T85</b>	<b>54</b>

## EXECUTIVE SUMMARY

:Voluntary Remediation Program and Brownfields sites with institutional controls in place.

A review of the INST CONTROL list, as provided by EDR, and dated 01/10/2005 has revealed that there are 7 INST CONTROL 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>KAKAAKO BROWNFIELD PROJECT-UNI</b>	<b>59 AHUI ST</b>	<b>1/8 - 1/4 WSW</b>	<b>F23</b>	<b>20</b>
<b>KEWALO INCINERATOR/ASH DUMP</b>	<b>111 OHE ST</b>	<b>1/4 - 1/2 W</b>	<b>I37</b>	<b>27</b>
<b>UNDERGROUND HOISTS</b>	<b>744 ALA MOANA BLVD</b>	<b>1/4 - 1/2 NW</b>	<b>J46</b>	<b>32</b>
<b>ROBERTS HAWAII</b>	<b>759 KELIKOI ST</b>	<b>1/4 - 1/2 W</b>	<b>I48</b>	<b>34</b>
<b>COOKE STREET LEAD CONTAMINATIO</b>	<b>501 COOKE ST</b>	<b>1/4 - 1/2 N</b>	<b>68</b>	<b>45</b>
<b>HCDA/UH HEALTH AND WELLNESS CE</b>	<b>651 ILALO ST</b>	<b>1/4 - 1/2 NW</b>	<b>T77</b>	<b>50</b>
<b>KAKAAKO PUMP STATION</b>	<b>240 KEAWE ST</b>	<b>1/4 - 1/2 NW</b>	<b>T85</b>	<b>54</b>

**VCP:**Voluntary Response Program Sites.

A review of the VCP list, as provided by EDR, and dated 01/05/2005 has revealed that there are 2 VCP 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>CHUEI SHOKOH, INC.</b>	<b>825 KAPIOLANI BLVD</b>	<b>1/2 - 1 NE</b>	<b>AD150</b>	<b>87</b>
<b>EVERSHINE X</b>	<b>1230 KAPIOLANI BLVD</b>	<b>1/2 - 1 E</b>	<b>AY217</b>	<b>131</b>

## EXECUTIVE SUMMARY

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

Site Name	Database(s)
KAKAAKO BROWNFIELD PROJECT-UNIT 7	SHWS, FINDS, BROWNFIELDS, INST CONTROL
KAKAAKO BROWNFIELD PROJECT-UNIT 5	SHWS, FINDS
CANNON CLUB	SHWS, BROWNFIELDS, INST CONTROL
DOMESTIC COMMERCIAL FISHING VILLAG	SHWS
ELLIOT STREET DRAINAGE CANAL	SHWS, SPILLS
HALAWA STREAM CHANNEL PETROLEUM CO	SHWS
KEEHI LAGOON CANOE FACILITY, INCRE	SHWS, FINDS
KAKAAKO BROWNFIELD PROJECT-UNIT 10	SHWS, FINDS, BROWNFIELDS
KAKAAKO IMPROVEMENT DISTRICT 7	SHWS, BROWNFIELDS
ABC DISPOSAL COMPANY	SHWS, FINDS
KEEAUMOKU SUPERBLOCK PROJECT	SHWS, SPILLS, INST CONTROL
KAKAAKO BROWNFIELD PROJECT-UNIT 4	SHWS, FINDS
KAKAAKO BROWNFIELD PROJECT-UNIT 2	SHWS, FINDS
KAKAAKO BROWNFIELD PROJECT-UNIT 1	SHWS, FINDS
KUHIO PARK TERRACE, UNITS D1 AND D	SHWS, FINDS, BROWNFIELDS, INST CONTROL
STAN SHERIFF SPECIAL EVENTS ARENA	SHWS, FINDS, SPILLS
420-470 NORTH NIMITZ HIGHWAY	SHWS
NIMITZ HIGHWAY WATER IMPROVEMENT P	SHWS
ZIPPY'S 580 NORTH NIMITZ HIGHWAY	SHWS, SPILLS
HAWAII HALL	SHWS
HAWAIIAN BITUMULS PAVING & PRECAST	SHWS
KEEHI LAGOON CANOE FACILITY	CERCLIS, FINDS
ABC DSPL	CERC-NFRAP
TOWCO	CERC-NFRAP
KMCAS LANDFILL	SWF/LF
FUTURE HONOLULU FORD PROPERTY	LUST, UST
KAKAAKO SITE	LUST
KEWALO BASIN HARBOR	RCRA-SQG, FINDS
LONGS DRUG STORE NO 21	RCRA-SQG, FINDS
PACIFIC CRUISES	RCRA-SQG, FINDS
HAWAII MARITIME CENTER	RCRA-SQG, FINDS
HARBOR GRAPHICS	RCRA-SQG, FINDS
HAWAII STEVEDORES INC	RCRA-SQG
WATERPARK TOWERS	RCRA-SQG, FINDS
HAWAII MOTOR REBUILDERS INC	RCRA-SQG, FINDS
DAGS CSD KEELIKOLANI BLDG	RCRA-SQG, FINDS
POLYNESIAN ADVENTURE TOURS INC	RCRA-SQG, FINDS
KAKA AKO COMMUNITY DEVELOPMEN	FINDS
HONOLULU WATERFRONT POL RELOCATION	FINDS



# OVERVIEW MAP - 1541724.1s - Clayton Group Services



★ 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

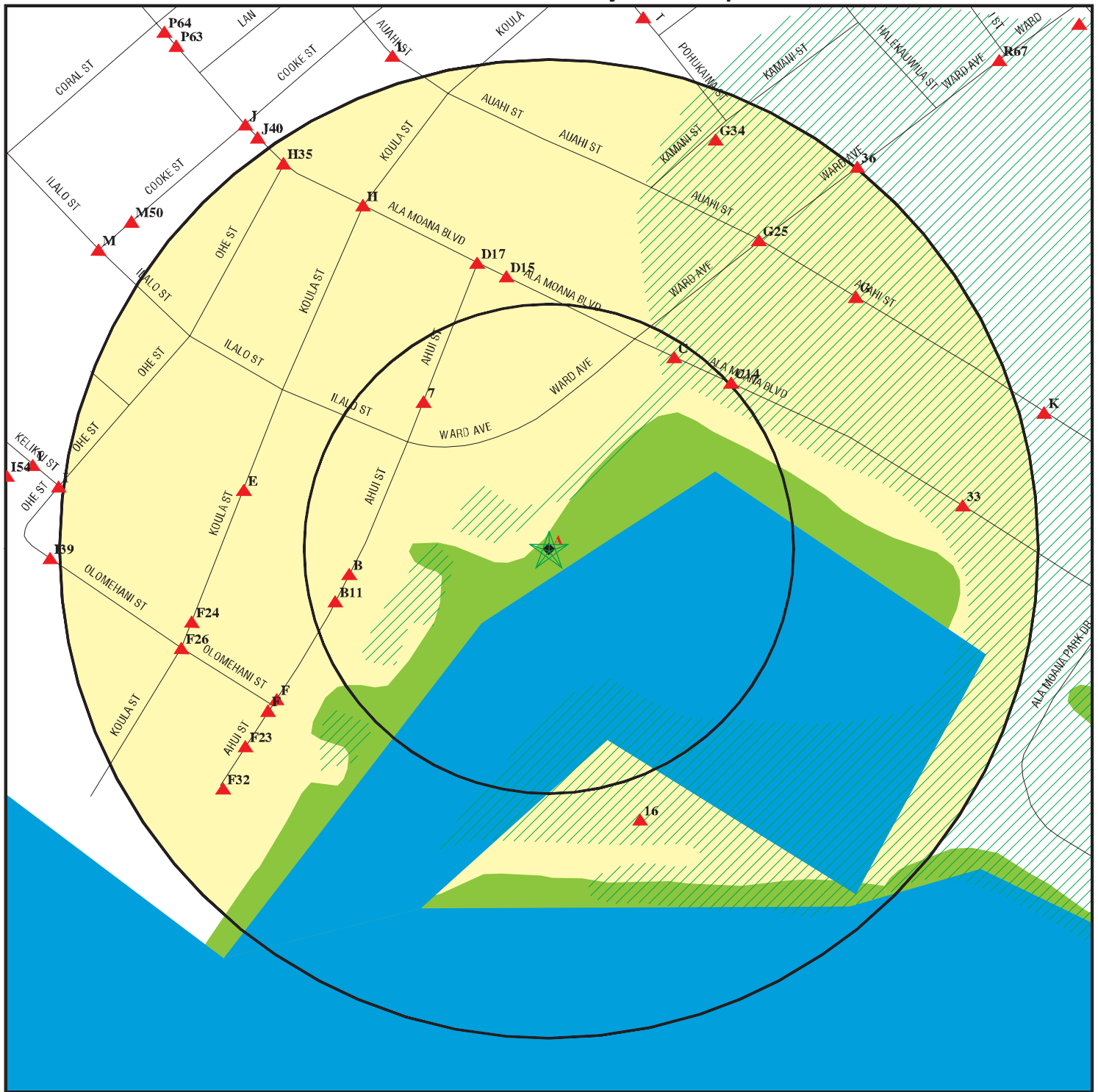
0 1/2 1 2 Miles



TARGET PROPERTY: Kaka ako Waterfront  
ADDRESS: Ala Moana Boulevard  
CITY/STATE/ZIP: Honolulu HI 96813  
LAT/LONG: 21.2934 / 157.8585

CUSTOMER: Clayton Group Services  
CONTACT: Maria Fara  
INQUIRY #: 1541724.1s  
DATE: October 28, 2005 8:24 am

# DETAIL MAP - 1541724.1s - Clayton Group Services



- ★ 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

0 1/16 1/8 1/4 Miles



TARGET PROPERTY: Kaka ako Waterfront  
 ADDRESS: Ala Moana Boulevard  
 CITY/STATE/ZIP: Honolulu HI 96813  
 LAT/LONG: 21.2934 / 157.8585

CUSTOMER: Clayton Group Services  
 CONTACT: Maria Fara  
 INQUIRY #: 1541724.1s  
 DATE: October 28, 2005 8:24 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	4	NR	4
CORRACTS		1.500	0	0	0	1	0	1
RCRA TSD		1.000	0	0	0	1	NR	1
RCRA Lg. Quan. Gen.		0.750	0	0	1	1	NR	2
RCRA Sm. Quan. Gen.		0.750	3	8	38	23	NR	72
ERNS		0.500	1	3	1	NR	NR	5
<b><u>STATE ASTM STANDARD</u></b>								
SHWS	X	1.500	1	2	12	16	24	55
State Landfill		1.000	0	1	0	1	NR	2
LUST		1.000	1	7	25	53	NR	86
UST		0.750	2	8	41	50	NR	101
VCP		1.000	0	0	0	2	NR	2
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
ODI		1.000	0	0	0	0	NR	0
UMTRA		1.000	0	0	0	0	NR	0
FUDS		1.500	0	0	0	0	0	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
SPILLS	X	TP	NR	NR	NR	NR	NR	0
<b><u>EDR PROPRIETARY HISTORICAL DATABASES</u></b>								
Coal Gas		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>BROWNFIELDS DATABASES</u></b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
BROWNFIELDS	X	0.500	1	1	1	NR	NR	3
INST CONTROL	X	0.500	0	1	6	NR	NR	7
VCP		1.000	0	0	0	2	NR	2

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.**

**A1 KAKAAKO BROWNFIELD PROJECT-UNIT 6**  
**Target 1011 ALA MOANA BLVD**  
**Property HONOLULU, HI 96814**

**SHWS 1006820761**  
**FINDS 110013787704**  
**SPILLS**  
**BROWNFIELDS**  
**INST CONTROL**

**Actual:**  
**1 ft.**

**Site 1 of 6 in cluster A**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**SHWS:**

Supplement : Ahui St & Ward Ave  
Restricted Use : This site is under evaluation for use restriction.  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : Brownfields  
Activity Type : Phase III  
Assignment Date : 2005-04-13 00:00:00  
Activity Lead : Davis Bernstein  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Kakaako Brownfield Project-Unit 6  
Sitelist Name : Kakaako Brownfield Project-Unit 6

Supplement : Ahui St & Ward Ave  
Restricted Use : This site is under evaluation for use restriction.  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : Steve Mow  
Assignment End Date : 2004-08-23 00:00:00  
End fill : 2004-08-23 00:00:00  
Result fill : Screening Referred for Assessment  
Overall Status : Ongoing  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Kewalo Basin-Tuna Packers  
Sitelist Name : Kewalo Basin-Tuna Packers

**HI INSTUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: State of Hawaii, Hawaii Community Development Authority  
Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported

Facility Addr 2: Not reported  
File Under: State of Hawaii, Hawaii Community Development Authority



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**KAKAAKO BROWNFIELD PROJECT-UNIT 6 (Continued)**

**1006820761**

Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported

**HI SPILLS:**

Case Number: 19901217  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Ahui St & Ward Ave  
Unit: TUNA PACKERS  
Substances: BLACK WASTE OIL

Incident : SLIP = LADING DOCK BY TUNA PACKERS RECIEVED TWO COMPLAINTS TODAY.  
RELEASE OF AMMONIA GAS FROM REFRIGERATION UNITS AT HI. TUNA PACKERS.  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf  
Restaurant. Odor detected but no burning of eyes or throat.  
Construction is on-going in the back of 919 Ala Moana Bldg. for Ward Ave.  
Extension project. The contractor found oil in the water in the trench while  
digging a line for a drainage line.  
Initial : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf  
Restaurant. Odor detected but no burning of eyes or throat.  
Site visit conducted by L. Galvez, S. Okoji, J. Fujimoto, L. Young.  
Report : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Ice Technology emptied ammonia cooling system in February 1998 and transferred  
material to Unico.  
5/18/99 approximately 1400 hours: Site visit was conducted by L. Galvez, S.  
Okoji, J. Fujimoto, and Laura Young. Met with Chris Jarrett with TM Designs who  
showed us the location of the trench where a 72 inch drain line is planned to be  
installed.  
Four

Case Number: 19900706  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Ahui St & Ward Ave  
Unit: HAWAII TUNA PACKERS, KEWALO BASIN, WARD & ALA MOANA  
Substances: Ammonia  
Incident : SLIP = LADING DOCK BY TUNA PACKERS RECIEVED TWO COMPLAINTS TODAY.  
RELEASE OF AMMONIA GAS FROM REFRIGERATION UNITS AT HI. TUNA PACKERS.  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf  
Restaurant. Odor detected but no burning of eyes or throat.  
Construction is on-going in the back of 919 Ala Moana Bldg. for Ward Ave.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

KAKAAKO BROWNFIELD PROJECT-UNIT 6 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006820761

Initial : Extension project. The contractor found oil in the water in the trench while digging a line for a drainage line.  
MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf Restaurant. Odor detected but no burning of eyes or throat.  
Site visit conducted by L. Galvez, S. Okoji, J. Fujimoto, L. Young.  
Report : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Ice Technology emptied ammonia cooling system in Febuary 1998 and transferred material to Unico.  
5/18/99 approximately 1400 hours: Site visit was conducted by L. Galvez, S. Okoji, J. Fujimoto, and Laura Young. Met with Chris Jarrett with TM Designs who showed us the location of the trench where a 72 inch drain line is planned to be installed.  
Four

Case Number: 19980202-1030  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1998-02-02 00:00:00  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Ahui St & Ward Ave  
Unit: Hawaiian Tuna Packers Ammonia Odor  
Substances: Ammonia  
Incident : SLIP = LADING DOCK BY TUNA PACKERS RECIEVED TWO COMPLAINTS TODAY.  
RELEASE OF AMMONIA GAS FROM REFRIGERATION UNITS AT HI. TUNA PACKERS.  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf Restaurant. Odor detected but no burning of eyes or throat.  
Construction is on-going in the back of 919 Ala Moana Bldg. for Ward Ave.  
Extension project. The contractor found oil in the water in the trench while digging a line for a drainage line.  
Initial : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf Restaurant. Odor detected but no burning of eyes or throat.  
Site visit conducted by L. Galvez, S. Okoji, J. Fujimoto, L. Young.  
Report : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Ice Technology emptied ammonia cooling system in Febuary 1998 and transferred material to Unico.  
5/18/99 approximately 1400 hours: Site visit was conducted by L. Galvez, S. Okoji, J. Fujimoto, and Laura Young. Met with Chris Jarrett with TM Designs who showed us the location of the trench where a 72 inch drain line is planned to be installed.  
Four

Case Number: 19990517-1549  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

KAKA AKAO BROWNFIELD PROJECT-UNIT 6 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006820761

Activity Type : Response  
Assignment Date : 1999-05-17 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Ahui St & Ward Ave  
Unit: Ward Avenue Extension Project  
Substances: Oil  
Incident : SLIP = LADING DOCK BY TUNA PACKERS RECIEVED TWO COMPLAINTS TODAY.  
RELEASE OF AMMONIA GAS FROM REFRIGERATION UNITS AT HI. TUNA PACKERS.  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf  
Restaurant. Odor detected but no burning of eyes or throat.  
Construction is on-going in the back of 919 Ala Moana Bldg. for Ward Ave.  
Extension project. The contractor found oil in the water in the trench while  
digging a line for a drainage line.  
Initial : MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Emptying ammonia cooling system caused an ammonia smell at Fishermans Wharf  
Restaurant. Odor detected but no burning of eyes or throat.  
Report : Site visit conducted by L. Galvez, S. Okoji, J. Fujimoto, L. Young.  
MSO INVESTIGATIONS O/S, NO POLLUTION FOUND.  
RELEASE WAS STOPPED, AMMONIA DISPERSED  
Ice Technology emptied ammonia cooling system in February 1998 and transferred  
material to Unico.  
5/18/99 approximately 1400 hours: Site visit was conducted by L. Galvez, S.  
Okoji, J. Fujimoto, and Laura Young. Met with Chris Jarrett with TM Designs who  
showed us the location of the trench where a 72 inch drain line is planned to be  
installed.  
Four

HI BROWNFIELDS:

Fed ID: Not reported  
File Under : State of Hawaii, Hawaii Community Development Authority  
Funding : Not reported  
Site List Name: Kakaako Brownfield Project-Unit 6  
End Fill : 2005-08-24 00:00:00  
Supplemental Location Text: Ahui St & Ward Ave  
Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported  
Activity Type: Phase III  
Assignment Date: 2005-04-13 00:00:00  
Activity Lead: Davis Bernstein  
Assignment End Date: Not reported  
Result: 8  
Agreement/Program: Brownfields  
Overall Status: Ongoing

A2 KAKA AKAO COMMUNITY DEVELOP  
Target ON THE OCEAN TO THE WEST H  
Property HONOLULU, HI 96813

FINDS 1008173014  
110020727061

Site 2 of 6 in cluster A

Actual:  
1 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**KAKA AKO COMMUNITY DEVELOP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1008173014**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
PERMIT COMPLIANCE SYSTEM

**A3  
Target  
Property**

**KAKA AKO BROWNFIELD PROJECT  
TEN VARIOUS AREAS NW OF KEWALO BASIN  
HONOLULU, HI 96813**

**FINDS 1007057779  
110015334556**

**Site 3 of 6 in cluster A**

**Actual:  
1 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
TARGETED BROWNSFIELDS ASSESSMENTS

**A4  
< 1/8  
1 ft.**

**WARD AVENUE & ALA MOANA BOULEVARD  
ALA MOANA BLVD / WARD AVE  
HONOLULU, HI**

**SPILLS S107023511  
N/A**

**Site 4 of 6 in cluster A**

**Relative:  
Lower**

**HI SPILLS:**

**Actual:  
1 ft.**

Case Number:	19891031-2
Island:	Oahu
Numerical Quantity:	Not reported
Less Or Greater Than :	Not reported
Units :	Not reported
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Not reported
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	Ward Ave & Ala Moana Blvd
Substances:	OIL, DIESEL
Incident :	Fuel leak into storm drain
Initial :	OIL SOAKED UP AND CLEANED UP BY CITY CREW.
Report :	OIL SOAKED UP AND CLEANED UP BY CITY CREW.

**A5**

**FISHERMAN'S WHARF  
ALA MOANA BLVD / WARD AVE  
HONOLULU, HI 96814**

**SPILLS S106817084  
N/A**

**Site 5 of 6 in cluster A**

**Relative:  
Lower**

**HI SPILLS:**

**Actual:  
1 ft.**

Case Number:	19900524-1
Island:	Oahu
Numerical Quantity:	Not reported
Less Or Greater Than :	Not reported
Units :	Not reported
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Not reported
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	Fisherman's Wharf Restaurant

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FISHERMAN'S WHARF (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106817084**

Substances: SEWAGE/COOKING OIL  
Incident : SEWER BACKING UP ALA MOANA AND WARD.  
Initial : FRED APEL OF OCD CONTACTED. SENT ROAD CREW TO CLEAN UP.  
Report : FRED APEL OF OCD CONTACTED. SENT ROAD CREW TO CLEAN UP.

**A6**  
**< 1/8**  
**1 ft.**

**WASA ELECTRIC - KOMATSU HYDRAULIC LINE LEAK**  
**ALA MOANA BLVD / WARD AVE**  
**HONOLULU, HI**

**SPILLS** **S107025328**  
**N/A**

**Site 6 of 6 in cluster A**

**Relative:**  
**Lower**

**HI SPILLS:**

**Actual:**  
**1 ft.**

Case Number: 19990721-1456  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1999-07-21 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: in front of Fisherman's Wharf  
Unit: WASA Electric - Komatsu Hydraulic Line Leak  
Substances: Not reported  
Incident : Hydraulic line leak releasing approximately 1 gallon of oil  
Initial : Site visit was conducted.  
Report : Site visit was conducted. Sorbent pads were placed. PENCO was contracted by WASA Electric to use a vacuum truck to conduct removal. Written follow-up submitted on 7/23/1999.

**7**  
**NW**  
**< 1/8**  
**520 ft.**

**HAWAII STATE BOARD WATER SUPPLY**  
**222 AHUI ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000146672**  
**FINDS** **HID981967557**

**Relative:**  
**Higher**

**RCRAInfo:**

**Actual:**  
**3 ft.**

Owner: STATE OF HAWAII  
(415) 555-1212  
EPA ID: HID981967557  
Contact: ROY KOBAYASHI  
(808) 527-6191  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
<b>B8</b> <b>West</b> <b>&lt; 1/8</b> <b>540 ft.</b>	<b>HONOLULU CORPORATION YARD</b> <b>160 AHUI ST</b> <b>HONOLULU, HI 96813</b>  <b>Site 1 of 4 in cluster B</b>	<b>UST</b>	<b>U001235061</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	UST:		
<b>Actual:</b> <b>3 ft.</b>	Facility ID: 9-100124 Tank Status: Permanently Out of Use Tank Capacity: 7500 Date Closed: 1999-06-01 00:00:00 Owner: C&C OF HNL - DEPT OF FACILITY MAINTENANCE 650 S KING ST, 2ND FLOOR Honolulu, HI 96813	Tank ID: R-1  Installed: 1950-01-01 00:00:00 Substance: Diesel	
	Facility ID: 9-100124 Tank Status: Permanently Out of Use Tank Capacity: 7500 Date Closed: 1999-06-01 00:00:00 Owner: C&C OF HNL - DEPT OF FACILITY MAINTENANCE 650 S KING ST, 2ND FLOOR Honolulu, HI 96813	Tank ID: R-2  Installed: 1950-01-01 00:00:00 Substance: Gasoline	
	Facility ID: 9-100124 Tank Status: Permanently Out of Use Tank Capacity: 5000 Date Closed: 1999-06-01 00:00:00 Owner: C&C OF HNL - DEPT OF FACILITY MAINTENANCE 650 S KING ST, 2ND FLOOR Honolulu, HI 96813	Tank ID: R-3  Installed: 1978-04-16 00:00:00 Substance: Diesel	
<b>B9</b> <b>West</b> <b>&lt; 1/8</b> <b>540 ft.</b>	<b>KAKAAKO BROWNFIELD PROJECT-UNIT 3</b> <b>160 AHUI ST</b> <b>HONOLULU, HI 96814</b>  <b>Site 2 of 4 in cluster B</b>	<b>SHWS</b> <b>SPILLS</b> <b>BROWNFIELDS</b>	<b>S105887713</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	SHWS:		
<b>Actual:</b> <b>3 ft.</b>	Supplement : Restricted Use : Fed Id : Funding : Agreement/program : Activity Type : Assignment Date : Activity Lead : Assignment End Date : End fill : Result fill : Overall Status : File Under : Restricted Use Comm : Ic Relied On In Remedy : Unit : Sitelist Name :	Bounded by Ilalo, Ahui, Olemehani & Koula Streets Not reported Not reported Not reported Brownfields (EPA) Brownfields DOH 2002-11-08 00:00:00 Laura Young 2003-03-17 00:00:00 2003-03-17 00:00:00 Complete SDAR NFA State of Hawaii, Hawaii Community Development Authority Not reported Not reported Kakaako Brownfield Project-Unit 3 Kakaako Brownfield Project-Unit 3	
	HI SPILLS:		
	Case Number: Island: Numerical Quantity: Less Or Greater Than :	20001121-1100 Oahu Not reported Not reported	

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

KAKAAKO BROWNFIELD PROJECT-UNIT 3 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S105887713

Units : Not reported  
Activity Type : Response  
Assignment Date : 2000-11-21 00:00:00  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Bounded by Ilalo, Ahui, Olemehani & Koula Streets  
Unit: Kewalo Demolition  
Substances: Not reported  
Incident : Oily water discovered during demolition of buildings on Ilalo St. in concrete vault, possibly hdro-carbon. TMK 2-6-60 Parcel #5.  
Initial : Oily water discovered during demolition of buildings on Ilalo St. in concrete vault, possibly hdro-carbon. TMK 2-6-60 Parcel #5.  
Report : Oily water discovered during demolition of buildings on Ilalo St. in concrete vault, possibly hdro-carbon. TMK 2-6-60 Parcel #5.

HI BROWNFIELDS:

Fed ID: Not reported  
File Under : State of Hawaii, Hawaii Community Development Authority  
Funding : Not reported  
Site List Name: Kakaako Brownfield Project-Unit 3  
End Fill : 2003-03-17 00:00:00  
Supplemental Location Text: Bounded by Ilalo, Ahui, Olemehani & Koula Streets  
Restricted Use: Not reported  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported  
Activity Type: Brownfields DOH  
Assignment Date: 2002-11-08 00:00:00  
Activity Lead: Laura Young  
Assignment End Date: 2003-03-17 00:00:00  
Result: 8  
Agreement/Program: Brownfields (EPA)  
Overall Status: SDAR NFA

B10  
West  
< 1/8  
540 ft.

HONOLULU CITY & COUNTY  
160 AHUI ST  
HONOLULU, HI 96813

RCRA-SQG 1000334044  
FINDS HID981439581

Site 3 of 4 in cluster B

Relative:  
Higher

RCRAInfo:  
Owner: CITY AND COUNTRY OF HONOLULU  
(808) 527-6313  
EPA ID: HID981439581  
Contact: CHRIS MIURA  
(808) 523-4171

Actual:  
3 ft.

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 270  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 02/15/2002  
Actual Date Achieved Compliance: 02/15/2002  
Regulation Violated: 262.30-34.C  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/13/2001  
Actual Date Achieved Compliance: 03/28/2002

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HONOLULU CITY & COUNTY (Continued)

EDR ID Number  
EPA ID Number

1000334044

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/13/2001  
Actual Date Achieved Compliance: 03/28/2002  
  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 12/31/2003  
Penalty Type: Final Monetary Penalty  
  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 12/31/2003  
Penalty Type: Final Monetary Penalty

Penalty Summary:	Penalty Description	Penalty Date	Penalty Amount	Lead Agency
	Proposed Monetary Penalty	11/18/2002	251652	EPA

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20020328
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20020328
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20020215

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

B11  
WSW  
< 1/8  
591 ft.  
  
Relative:  
Higher  
  
Actual:  
3 ft.

153 AHUI ST  
153 AHUI ST  
HONOLULU, HI  
  
Site 4 of 4 in cluster B

ERNS 94404892  
N/A

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

C12  
NNE  
< 1/8  
619 ft.

HAWAII COMMUNITY DEV AUTHORITY  
1011 ALA MOANA BLVD  
HONOLULU, HI 96814

RCRA-SQG 1004688962  
FINDS HIR000037143  
HAZNET

Site 1 of 3 in cluster C

Relative:  
Higher  
  
Actual:  
3 ft.

RCRAInfo:  
Owner: HAWAII COMMUNITY DEV AUTHORITY  
(808) 587-2870  
EPA ID: HIR000037143  
Contact: Not reported  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HAWAII COMMUNITY DEV AUTHORITY (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1004688962**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**HAZNET:**

Gepaid: HIR000037143  
TSD EPA ID: Not reported  
Gen County: Not reported  
Tsd County: Kings  
Tons: 2.33  
Waste Category: Polychlorinated biphenyls and material containing PCB's  
Disposal Method: Disposal, Land Fill  
Contact: Mark Tiwanak  
Telephone: (808) 587-2870  
Mailing Address: 677 Ala Moana Blvd  
Honolulu, HI 96813  
County: Not reported  
  
Gepaid: HIR000037143  
TSD EPA ID: Not reported  
Gen County: Not reported  
Tsd County: Kings  
Tons: 1.05  
Waste Category: Polychlorinated biphenyls and material containing PCB's  
Disposal Method: Transfer Station  
Contact: Mark Tiwanak  
Telephone: (808) 587-2870  
Mailing Address: 677 Ala Moana Blvd  
Honolulu, HI 96813  
County: Not reported

**C13  
NNE  
< 1/8  
619 ft.**

**WRAF - HAWAIIAN TUNA PACKERS  
1011 ALA MOANA BLVD  
HONOLULU, HI 96814**

**LUST U001236016  
UST N/A**

**Site 2 of 3 in cluster C**

**Relative:  
Higher**

**Actual:  
3 ft.**

**LUST:**

Facility ID: 9-102690  
Release ID: 990187  
Facility Status Date: 1999-08-17  
Facility Status: Case Transferred to HEER  
Project Officer: HEER

Facility ID: 9-102690  
Release ID: 920179  
Facility Status Date: 2001-04-17  
Facility Status: Site Cleanup Completed  
Project Officer: Ung

**UST:**

Facility ID: 9-102690  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1985-01-01 00:00:00  
Owner: WRAF - HAWAIIAN TUNA PACKERS  
1011 ALA MOANA BLVD  
Honolulu, HI 96814

Tank ID: R-2  
Installed: Not reported  
Substance: Diesel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**WRAF - HAWAIIAN TUNA PACKERS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001236016**

Facility ID: 9-102690 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported Installed: Not reported  
Date Closed: 1985-08-01 00:00:00 Substance: Gasoline  
Owner: WRAF - HAWAIIAN TUNA PACKERS  
1011 ALA MOANA BLVD  
Honolulu, HI 96814

**C14** **1025 ALA MOANA BLVD**  
**NE** **1025 ALA MOANA BLVD**  
**1/8-1/4** **HONOLULU, HI 96813**  
**667 ft.**

**ERNS** **2004745170**  
**N/A**

**Site 3 of 3 in cluster C**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**3 ft.**

**D15** **DAGS CSD AAFES BLDG**  
**North** **919 ALA MOANA BLVD**  
**1/8-1/4** **HONOLULU, HI 96813**  
**743 ft.**

**RCRA-SQG** **1004688982**  
**FINDS** **HIR000052837**

**Site 1 of 2 in cluster D**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: STATE OF HAWAII DAGS CEN SVS  
(808) 831-6734  
EPA ID: HIR000052837  
Contact: JAMES HISANO  
(808) 831-6734  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**16** **KEWALO ASH DUMP**  
**SSE**  
**1/8-1/4** **HONOLULU, HI**  
**771 ft.**

**SWF/LF** **S106401380**  
**N/A**

**Relative:**  
**Higher**

LF:  
Permit : Not reported  
Permit Date : Not reported  
Owner: Not reported  
Facility Type: Not reported  
Facility Status: Not reported  
Closure Year : Not reported  
Renewal Year : Not reported  
Date Received : Not reported  
TMK : 2-3-37:  
Active Dates : 1933-1974  
Size (acres) : Not reported

**Actual:**  
**3 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**KEWALO ASH DUMP (Continued)**

EDR ID Number  
EPA ID Number

**S106401380**

Type of Waste : ash and unburned MSW  
Lat/Long : 211729 / 1575128

**D17  
NNW  
1/8-1/4  
795 ft.**

**NEW CITY NISSAN  
900 ALA MOANA BLVD  
HONOLULU, HI 96814**

**RCRA-SQG  
FINDS  
LUST  
UST**

**1000252026  
HID981983844**

**Site 2 of 2 in cluster D**

**Relative:  
Higher**

**RCRAInfo:**

Owner: NEW CITY NISSAN  
(808) 524-2111  
EPA ID: HID981983844  
Contact: RANDAL TACHINO  
(808) 524-2111

**Actual:  
3 ft.**

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**LUST:**

Facility ID: 9-100929  
Release ID: 920004  
Facility Status Date: 1994-08-01  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

**UST:**

Facility ID: 9-100929  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1991-10-10 00:00:00  
Owner: PACIFIC OLDSMOBILE-GMC  
900 ALA MOANA BLVD  
Honolulu, HI 96814

Tank ID: R-2  
Installed: 1985-03-24 00:00:00  
Substance: Used Oil

Facility ID: 9-100929  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Date Closed: 1991-10-18 00:00:00  
Owner: PACIFIC OLDSMOBILE-GMC  
900 ALA MOANA BLVD  
Honolulu, HI 96814

Tank ID: R-1  
Installed: 1985-03-24 00:00:00  
Substance: Gasoline

**E18  
West  
1/8-1/4  
836 ft.**

**ELECTRICAL & MAINTENANCE SERV. D  
160 KOULA ST  
HONOLULU, HI 96813**

**LUST  
UST  
U003154621  
N/A**

**Site 1 of 2 in cluster E**

**Relative:  
Higher**

**LUST:**

Facility ID: 9-102755  
Release ID: 940017  
Facility Status Date: 1997-06-05

**Actual:  
3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**ELECTRICAL & MAINTENANCE SERV. D (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003154621**

Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID:	9-102755	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	500	Installed:	1950-01-01 00:00:00
Date Closed:	1993-08-06 00:00:00	Substance:	Gasoline
Owner:	C&C HNL 530 S KING ST RM 115 Honolulu, HI 96813		

**E19**  
**West**  
**1/8-1/4**  
**836 ft.**

**DEPT OF TRANSPORTATION**  
**160 KOULA ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000886880**  
**FINDS** **HI0000117697**

**Site 2 of 2 in cluster E**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: CITY AND COUNTY OF HONOLULU  
(808) 523-4564  
EPA ID: HI0000117697  
Contact: KAY IZUMIHARA  
(808) 527-5340

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**F20**  
**WSW**  
**1/8-1/4**  
**836 ft.**

**HONOLULU MARINE INC**  
**123 AHUI ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000860466**  
**FINDS** **HID984469965**

**Site 1 of 7 in cluster F**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: STATE OF HAWAII  
(808) 587-1943  
EPA ID: HID984469965  
Contact: DAVID OYA  
(808) 537-2939

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HONOLULU MARINE INC (Continued)**

EDR ID Number  
EPA ID Number

**1000860466**

Violation Status: Violations exist

Regulation Violated: 262.30-34.C  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/28/2002  
Actual Date Achieved Compliance: Not reported  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/24/2003  
Penalty Type: Not reported  
  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 12/31/2003  
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**F21  
WSW  
1/8-1/4  
861 ft.**

**GRG ENTERPRISE INC. BASIN MARINE  
115 AHUI ST  
HONOLULU, HI 96813**

**LUST UST U001235099  
N/A**

**Site 2 of 7 in cluster F**

**Relative:  
Higher**

**LUST:**

Facility ID: 9-100212  
Release ID: 990034  
Facility Status Date: 2003-08-04  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

**Actual:  
3 ft.**

**UST:**

Facility ID:	9-100212	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	1979-02-27 00:00:00
Tank Capacity:	1000	Substance:	Gasoline
Date Closed:	1998-10-22 00:00:00		
Owner:	GRG ENTERPRISE INC. BASIN MARINE 115 AHUI ST Honolulu, HI 96813		

Facility ID:	9-100212	Tank ID:	R-4
Tank Status:	Permanently Out of Use	Installed:	1959-02-27 00:00:00
Tank Capacity:	6000	Substance:	Diesel
Date Closed:	1998-10-22 00:00:00		
Owner:	GRG ENTERPRISE INC. BASIN MARINE 115 AHUI ST Honolulu, HI 96813		

Facility ID:	9-100212	Tank ID:	R-3
Tank Status:	Permanently Out of Use	Installed:	1959-02-27 00:00:00
Tank Capacity:	6000	Substance:	Diesel
Date Closed:	1998-10-22 00:00:00		
Owner:	GRG ENTERPRISE INC. BASIN MARINE 115 AHUI ST		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

GRG ENTERPRISE INC. BASIN MARINE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235099

Honolulu, HI 96813

Facility ID:	9-100212	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1979-02-27 00:00:00
Date Closed:	1998-10-22 00:00:00	Substance:	Gasoline
Owner:	GRG ENTERPRISE INC. BASIN MARINE		
	115 AHUI ST		
	Honolulu, HI 96813		

F22  
WSW  
1/8-1/4  
872 ft.

KGU RADIO STATION  
111 AHUI ST  
HONOLULU, HI 96813

UST U003155066  
N/A

Site 3 of 7 in cluster F

Relative:  
Higher

UST:

Actual:  
3 ft.

Facility ID:	9-203234	Tank ID:	R-M-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1950-01-01 00:00:00
Date Closed:	1996-10-21 00:00:00	Substance:	Diesel
Owner:	KGU Radio Station		
	2153 N King St, Ste. 376		
	Honolulu, HI 96813		

F23  
WSW  
1/8-1/4  
974 ft.

KAKAAKO BROWNFIELD PROJECT-UNIT 8  
59 AHUI ST  
HONOLULU, HI 96814

SHWS S106708611  
BROWNFIELDS N/A  
INST CONTROL

Site 4 of 7 in cluster F

Relative:  
Higher

SHWS:

Actual:  
3 ft.

Supplement :	Not reported
Restricted Use :	This site is under evaluation for use restriction.
Fed Id :	Not reported
Funding :	Not reported
Agreement/program :	Brownfields
Activity Type :	Phase III
Assignment Date :	2005-04-13 00:00:00
Activity Lead :	Davis Bernstein
Assignment End Date :	Not reported
End fill :	2005-08-24 00:00:00
Result fill :	Ongoing
Overall Status :	Ongoing
File Under :	State of Hawaii, Hawaii Community Development Authority
Restricted Use Comm :	Not reported
IC Relied On In Remedy :	Not reported
Unit :	Kakaako Brownfield Project-Unit 8
Sitelist Name :	Kakaako Brownfield Project-Unit 8

HI INSTITUTIONAL CONTROL:

Facility Addr 2:	Not reported
File Under:	State of Hawaii, Hawaii Community Development Authority
Restricted Use:	This site is under evaluation for use restriction.
Comments on Restricted Use:	Not reported
IC Relied on in Remedy:	Not reported

HI BROWNFIELDS:

Fed ID:	Not reported
---------	--------------

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**KAKAAKO BROWNFIELD PROJECT-UNIT 8 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106708611**

File Under : State of Hawaii, Hawaii Community Development Authority  
Funding : Not reported  
Site List Name: Kakaako Brownfield Project-Unit 8  
End Fill : 2005-08-24 00:00:00  
Supplemental Location Text: Not reported  
Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported  
Activity Type: Phase III  
Assignment Date: 2005-04-13 00:00:00  
Activity Lead: Davis Bernstein  
Assignment End Date: Not reported  
Result: 8  
Agreement/Program: Brownfields  
Overall Status: Ongoing

**F24**  
**WSW**  
**1/8-1/4**  
**980 ft.**

**KEWALO INCINERATOR**  
**111 KOULA ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000906768**  
**FINDS** **HI0000705061**

**Site 5 of 7 in cluster F**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: HONOLULU COMM DEV AUTHORITY  
(808) 587-2870  
EPA ID: HI0000705061  
Contact: CHARLES SCHUSTER  
(808) 587-2870

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**G25**  
**NE**  
**1/8-1/4**  
**1008 ft.**

**HONEYWELL**  
**250 WARD AVE STE 100**  
**HONOLULU, HI 96814**

**RCRA-SQG** **1004688896**  
**FINDS** **HID984468579**

**Site 1 of 5 in cluster G**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: WARD COURT DEVELOPMENT COMPANY  
(808) 536-7702  
EPA ID: HID984468579  
Contact: JOSEPH TRAVIS JR  
(808) 537-9911

**Actual:**  
**3 ft.**

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HONEYWELL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1004688896**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**F26 C&C WASTE WATER DIVISION MAINTENANCE YARD**  
**WSW 98 KOULA ST**  
**1/8-1/4 HONOLULU, HI 96813**  
**1024 ft.**

**SHWS 1006820134**  
**FINDS 110013780382**

**Site 6 of 7 in cluster F**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM  
HAWAII-UNDERGROUND STORAGE TANK

**Actual:**  
**3 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	Not reported
Agreement/program :	Not reported
Activity Type :	ISST
Assignment Date :	2001-07-08 00:00:00
Activity Lead :	Unknown
Assignment End Date :	2001-07-09 00:00:00
End fill :	2001-07-09 00:00:00
Result fill :	NFA
Overall Status :	SDAR NFA
File Under :	City and County of Honolulu, Department of Environmental Services, Wastewater Treatment and Disposal
Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	Not reported
Unit :	City & County Wastewater Collection System Maintenance Yard
Sitelist Name :	City & County Wastewater Collection System Maintenance Yard

**H27 CUTTER MOTOR CARS**  
**NNW 800 ALA MOANA BLVD**  
**1/8-1/4 HONOLULU, HI 96813**  
**1053 ft.**

**RCRA-SQG 1000207172**  
**FINDS HID981967193**

**Site 1 of 3 in cluster H**

**Relative:**  
**Higher**

**RCRAInfo:**

Owner: MCKENNA DANIEL  
(415) 555-1212  
EPA ID: HID981967193  
Contact: ENVIRONMENTAL MANAGER  
(808) 537-3386

**Actual:**  
**3 ft.**

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CUTTER MOTOR CARS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000207172**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

HAWAII-UNDERGROUND STORAGE TANK

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**H28  
NNW  
1/8-1/4  
1053 ft.**

**CUTTER MOTOR CARS, INC  
800 ALA MOANA BLVD  
HONOLULU, HI 96813**

**LUST  
UST**

**U001235288  
N/A**

**Site 2 of 3 in cluster H**

**Relative:  
Higher**

**LUST:**

**Actual:  
3 ft.**

Facility ID: 9-100911  
Release ID: 900080  
Facility Status Date: 1998-02-12  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID: 9-100911  
Tank Status: Currently In Use  
Tank Capacity: 550  
Date Closed: Not reported  
Owner: CUTTER MOTOR CARS, LTD  
800 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: 26  
Installed: 1990-06-19 00:00:00  
Substance: Used Oil

Facility ID: 9-100911  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Date Closed: 1990-05-30 00:00:00  
Owner: CUTTER MOTOR CARS, LTD  
800 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-25  
Installed: 1965-05-05 00:00:00  
Substance: Gasoline

Facility ID: 9-100911  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1990-05-30 00:00:00  
Owner: CUTTER MOTOR CARS, LTD  
800 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-26  
Installed: 1966-05-05 00:00:00  
Substance: Used Oil

Facility ID: 9-100911  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1990-05-30 00:00:00  
Owner: CUTTER MOTOR CARS, LTD  
800 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-27  
Installed: 1960-05-05 00:00:00  
Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G29**  
**NE**  
**1/8-1/4**  
**1073 ft.**

**TESORO GAS EXPRESS #11**  
**940 AUAHI STREET**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000906762**  
**HI0000618876**

**Relative:**  
**Higher**

**Site 2 of 5 in cluster G**

RCRAInfo:

Owner: BHP HAWAII  
(808) 547-3795

EPA ID: HI0000618876

Contact: RICHARD ROSEN  
(808) 547-3795

Classification: Small Quantity Generator  
TSD Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

HAWAII ENGINE CONTROL SYSTEM

HAWAII-UNDERGROUND STORAGE TANK

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**G30**  
**NE**  
**1/8-1/4**  
**1073 ft.**

**TESORO GAS EXPRESS #11**  
**940 AUAHI ST**  
**HONOLULU, HI 96814**

**LUST** **S103455139**  
**N/A**

**Relative:**  
**Higher**

**Site 3 of 5 in cluster G**

LUST:

Facility ID: 9-100916

Release ID: 910016

Facility Status Date: 2005-04-27

Facility Status: NFA Issued - Post Remediation Monitoring

Project Officer: Li

**G31**  
**NE**  
**1/8-1/4**  
**1073 ft.**

**TESORO GAS EXPRESS #11**  
**940 AUAHI ST**  
**HONOLULU, HI 96814**

**UST** **U003402812**  
**N/A**

**Relative:**  
**Higher**

**Site 4 of 5 in cluster G**

UST:

Facility ID: 9-100916

Tank Status: Permanently Out of Use

Tank Capacity: 10000

Date Closed: 2004-09-20 00:00:00

Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Tank ID: R-87

Installed: 1994-02-01 00:00:00

Substance: Gasoline

Facility ID: 9-100916

Tank Status: Permanently Out of Use

Tank Capacity: 10000

Date Closed: 2004-09-20 00:00:00

Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Tank ID: R-92

Installed: 1994-02-01 00:00:00

Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TESORO GAS EXPRESS #11 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003402812

Facility ID: 9-100916 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1994-02-01 00:00:00  
Date Closed: 2004-09-20 00:00:00 Substance: Diesel  
Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Facility ID: 9-100916 Tank ID: R-4  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1977-05-06 00:00:00  
Date Closed: 1994-01-31 00:00:00 Substance: Diesel  
Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Facility ID: 9-100916 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1985-02-01 00:00:00  
Date Closed: 1991-09-05 00:00:00 Substance: Gasoline  
Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Facility ID: 9-100916 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1985-05-06 00:00:00  
Date Closed: 1994-01-31 00:00:00 Substance: Gasoline  
Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

Facility ID: 9-100916 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1982-05-01 00:00:00  
Date Closed: 1994-09-17 00:00:00 Substance: Gasoline  
Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96814

F32  
SW  
1/8-1/4  
1089 ft.

IN THE KEWALO BASIN 41 AHUI ST.  
IN THE KEWALO BASIN 41 AHUI ST.  
HONOLULU, HI

ERNS 91210568  
N/A

Site 7 of 7 in cluster F

Relative:  
Higher

Actual:  
3 ft.

[Click this hyperlink](#) while viewing on your computer to access  
additional ERNS detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**33**  
**East**  
**1/8-1/4**  
**1125 ft.**

**1085 ALAMOANA BLVD**  
**1085 ALAMOANA BLVD**  
**HONOLULU, HI**

**ERNS** **2004728916**  
**N/A**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**3 ft.**

**G34**  
**NNE**  
**1/8-1/4**  
**1193 ft.**

**KEWALO MARINE SERVICES**  
**1125C ALA MOANA BLVD**  
**HONOLULU, HI 96814**

**LUST** **U001235263**  
**UST** **N/A**

**Site 5 of 5 in cluster G**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-100857  
Release ID: 000046  
Facility Status Date: 2001-06-20  
Facility Status: Site Cleanup Completed  
Project Officer: Li

UST:

Facility ID: 9-100857 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: 1969-05-05 00:00:00  
Date Closed: 1999-12-02 00:00:00 Substance: Diesel  
Owner: PACIFIC-TMR  
KEWALO MARINE SERVICES / 1547 COLBURN ST #201  
Honolulu, HI 96814

Facility ID: 9-100857 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: 1969-05-05 00:00:00  
Date Closed: 1999-12-02 00:00:00 Substance: Gasoline  
Owner: PACIFIC-TMR  
KEWALO MARINE SERVICES / 1547 COLBURN ST #201  
Honolulu, HI 96814

**H35**  
**NW**  
**1/8-1/4**  
**1261 ft.**

**FULLER O'BRIEN PAINT**  
**770 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**LUST** **U001236007**  
**UST** **N/A**

**Site 3 of 3 in cluster H**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-102671  
Release ID: 930135  
Facility Status Date: 1993-09-23  
Facility Status: Site Cleanup Completed  
Project Officer: Assigned

Facility ID: 9-102671  
Release ID: 020015  
Facility Status Date: 2002-02-08  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Westerman

**Actual:**  
**3 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FULLER O'BRIEN PAINT (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001236007**

UST:

Facility ID:	9-102671	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1965-12-30 00:00:00
Date Closed:	1985-12-01 00:00:00	Substance:	Other
Owner:	THE O'BRIEN CORPORATION 450 EAST GRAND AVENUE Honolulu, HI 96813		

Facility ID:	9-102671	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1965-12-30 00:00:00
Date Closed:	1985-12-01 00:00:00	Substance:	Gasoline
Owner:	THE O'BRIEN CORPORATION 450 EAST GRAND AVENUE Honolulu, HI 96813		

Facility ID:	9-102671	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1994-02-17 00:00:00	Substance:	Unknown
Owner:	THE O'BRIEN CORPORATION 450 EAST GRAND AVENUE Honolulu, HI 96813		

**36**  
**NE**  
**1/4-1/2**  
**1326 ft.**

**GEM DEPARTMENT**  
**333 WARD AVE**  
**HONOLULU, HI 96800**

**LUST** **U003221642**  
**UST** **N/A**

**Relative:**  
**Higher**

LUST:

Facility ID:	9-101065
Release ID:	930118
Facility Status Date:	1996-11-04
Facility Status:	Site Cleanup Completed
Project Officer:	Brewer

**Actual:**  
**3 ft.**

UST:

Facility ID:	9-101065	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	430	Installed:	Not reported
Date Closed:	1993-08-02 00:00:00	Substance:	Used Oil
Owner:	GEM OF HAWAII, INC 1287 KALANI Honolulu, HI 96800		

**I37**  
**West**  
**1/4-1/2**  
**1330 ft.**

**KEWALO INCINERATOR/ASH DUMP**  
**111 OHE ST**  
**HONOLULU, HI 96813**

**SHWS** **S106818511**  
**INST CONTROL** **N/A**

**Site 1 of 6 in cluster I**

**Relative:**  
**Higher**

SHWS:

Supplement :	709 Kelikoi St
Restricted Use :	Not reported
Fed Id :	HID980497226
Funding :	Not reported
Agreement/program :	Not reported

**Actual:**  
**7 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

KEWALO INCINERATOR/ASH DUMP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106818511

Activity Type : ISST  
Assignment Date : 1989-03-29 00:00:00  
Activity Lead : Unknown  
Assignment End Date : 1996-01-12 00:00:00  
End fill : 1996-01-12 00:00:00  
Result fill : NFA  
Overall Status : SDAR NFA  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : The site is currently a park w/ unlimited access  
Ic Relied On In Remedy : Not reported  
Unit : Kewalo Incinerator Landfill  
Sitelist Name : Kewalo Incinerator Landfill

Supplement : 709 Kelikoi St  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : Steve Mow  
Assignment End Date : 2004-08-24 00:00:00  
End fill : 2004-08-24 00:00:00  
Result fill : Screening No Further Action (NFA)  
Overall Status : SDAR NFA  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : The site is currently a park w/ unlimited access  
Ic Relied On In Remedy : Not reported  
Unit : Kewalo Incinerator  
Sitelist Name : Kewalo Incinerator

HI INSTUTIONAL CONTROL:

Facility Addr 2: Not reported  
File Under: State of Hawaii, Hawaii Community Development Authority  
Restricted Use: Not reported  
Comments on Restricted Use: The site is currently a park w/ unlimited access  
IC Relied on in Remedy: Not reported

Facility Addr 2: Not reported  
File Under: State of Hawaii, Hawaii Community Development Authority  
Restricted Use: Not reported  
Comments on Restricted Use: The site is currently a park w/ unlimited access  
IC Relied on in Remedy: Not reported

I38  
West  
1/4-1/2  
1330 ft.

KEWALO INCINERATOR  
111 OHE ST  
HONOLULU, HI 96800

LUST U003154751  
N/A

Site 2 of 6 in cluster I

Relative:  
Higher

LUST:  
Facility ID: 9-102984  
Release ID: 940196  
Facility Status Date: 1994-12-23  
Facility Status: Case Transferred to HEER  
Project Officer: HEER

Actual:  
7 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site  
Database(s)  
EDR ID Number  
EPA ID Number

**I39**  
**West**  
**1/4-1/2**  
**1343 ft.**

**LOOK LAB**  
**811 OLOMEHANI ST**  
**HONOLULU, HI 96813**

**UST** **U001235905**  
**N/A**

**Site 3 of 6 in cluster I**

**Relative:**  
**Higher**

UST:

**Actual:**  
**5 ft.**

Facility ID:	9-102414	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	1989-12-06 00:00:00
Tank Capacity:	8000	Substance:	Gasohol
Date Closed:	1998-05-18 00:00:00		
Owner:	STATE U.H. - HAWAII NATURAL ENERGY INSTITUTE 2540 DOLE St / HOLMES HALL 240 Honolulu, HI 96813		

**J40**  
**NW**  
**1/4-1/2**  
**1359 ft.**

**CHEVRON USA INC.**  
**753 ALA MOANA BLVD**  
**HONOLULU, HI 96814**

**UST** **U001235434**  
**N/A**

**Site 1 of 4 in cluster J**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID:	9-101261	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	Not reported	Substance:	Other
Date Closed:	Not reported		
Owner:	CHEVRON PRODUCTS COMPANY 91-480 MALAKOLE ST. Honolulu, HI 96814		

**K41**  
**ENE**  
**1/4-1/2**  
**1388 ft.**

**HAWAII BUSINESS EQUIPMENT**  
**1020 AUAHI ST BLDG 8**  
**HONOLULU, HI 96814**

**RCRA-SQG** **1004688953**  
**FINDS** **HIR000001107**

**Site 1 of 2 in cluster K**

**Relative:**  
**Higher**

RCRAInfo:

**Actual:**  
**3 ft.**

Owner:	RENEE GOMES (808) 593-8230
EPA ID:	HIR000001107
Contact:	PAUL SUMRALL (808) 593-8230
Classification:	Conditionally Exempt Small Quantity Generator
TSD Activities:	Not reported
Violation Status:	No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K42**  
**ENE**  
**1/4-1/2**  
**1392 ft.**

**MARKET CENTER SERVICE STATION**  
**1020 AUAHI ST**  
**HONOLULU, HI 96814**

**LUST**  
**SPILLS**  
**UST**

**U001235504**  
**N/A**

**Relative:**  
**Higher**

**Site 2 of 2 in cluster K**

**Actual:**  
**3 ft.**

LUST:

Facility ID: 9-101471  
Release ID: 940113  
Facility Status Date: 2000-03-17  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

Facility ID: 9-101471  
Release ID: 020025  
Facility Status Date: 2002-11-27  
Facility Status: Site Cleanup Completed  
Project Officer: Fu

HI SPILLS:

Case Number: 19970512-2357  
Island: Oahu  
Numerical Quantity: 170  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1997-05-12 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Ward Warehouse, 170-gallon sewage spill  
Substances: Sewage  
Incident : 170 gallons entered the storm drain. 100 gallons were pumped out.  
Initial : Cleaned, disinfected and deodorized.  
Report : Referred to Clean Water Branch.

UST:

Facility ID: 9-101471  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Date Closed: 1994-04-06 00:00:00  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

Tank ID: R-1  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-101471  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1994-04-06 00:00:00  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

Tank ID: R-2  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-101471  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000  
Date Closed: 2000-08-06 00:00:00  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115

Tank ID: R-4  
Installed: Not reported  
Substance: Not Listed

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MARKET CENTER SERVICE STATION (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Honolulu, HI 96814

U001235504

Facility ID:	9-101471	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	1994-04-06 00:00:00	Substance:	Used Oil
Owner:	VICTORIA WARD LTD 1210 AUAHI ST / SUITE 115 Honolulu, HI 96814		

L43  
NNW  
1/4-1/2  
1395 ft.

FULLER OBRIEN PAINTS  
746 AUAHI ST  
HONOLULU, HI 96813

RCRA-SQG  
FINDS  
1000860465  
HID984469957

Site 1 of 3 in cluster L

Relative:  
Higher

RCRAInfo:  
Owner: THE OBRIEN CORP  
(415) 871-6060  
EPA ID: HID984469957  
Contact: KERRY KIYABU  
(808) 537-6902  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

Actual:  
3 ft.

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

L44  
NNW  
1/4-1/2  
1395 ft.

ARA SERVICES INC.  
746 AUAHI ST  
HONOLULU, HI 96800

LUST  
UST  
U001237389  
N/A

Site 2 of 3 in cluster L

Relative:  
Higher

LUST:  
Facility ID: 9-102521  
Release ID: 920084  
Facility Status Date: 1994-08-24  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

Actual:  
3 ft.

UST:  
Facility ID: 9-102521  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1992-02-22 00:00:00  
Owner: JOHN L. WADE JR.  
C/O CADES, SCHUTTE, FLEMING AND WRIGHT1000 BISHOP ST  
Honolulu, HI 96800

Tank ID:	R-1
Installed:	1989-12-30 00:00:00
Substance:	Gasoline

Facility ID:	9-102521	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	Not reported	Installed:	1974-12-30 00:00:00
Date Closed:	1992-02-22 00:00:00	Substance:	Gasoline
Owner:	JOHN L. WADE JR.		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**ARA SERVICES INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001237389**

C/O CADES, SCHUTTE, FLEMING AND WRIGHT1000 BISHOP ST  
Honolulu, HI 96800

Facility ID:	9-102521	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	Not reported	Installed:	1974-12-30 00:00:00
Date Closed:	1992-02-22 00:00:00	Substance:	Gasoline
Owner:	JOHN L. WADE JR.		
	C/O CADES, SCHUTTE, FLEMING AND WRIGHT1000 BISHOP ST		
	Honolulu, HI 96800		

**J45  
NW  
1/4-1/2  
1406 ft.**

**FORMER SHELLY MOTORS AUTO SALES  
744 ALA MOANA BLVD  
HONOLULU, HI 96814**

**LUST UST U001235757  
N/A**

**Site 2 of 4 in cluster J**

**Relative:  
Higher**

**LUST:**

**Actual:  
3 ft.**

Facility ID:	9-102163
Release ID:	890036
Facility Status Date:	1993-08-11
Facility Status:	Site Cleanup Completed
Project Officer:	Sadoyama

**UST:**

Facility ID:	9-102163	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	Not reported
Date Closed:	1989-05-04 00:00:00	Substance:	Used Oil
Owner:	SHELLY MOTORS, INC 900 ALA MOANA BLVD Honolulu, HI 96814		

Facility ID:	9-102163	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1989-05-04 00:00:00	Substance:	Gasoline
Owner:	SHELLY MOTORS, INC 900 ALA MOANA BLVD Honolulu, HI 96814		

**J46  
NW  
1/4-1/2  
1406 ft.**

**UNDERGROUND HOISTS  
744 ALA MOANA BLVD  
HONOLULU, HI 96813**

**SHWS 1006819562  
FINDS 110013773844  
SPILLS  
INST CONTROL**

**Site 3 of 4 in cluster J**

**Relative:  
Higher**

**FINDS:**

**Actual:  
3 ft.**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**SHWS:**

Supplement :	Not reported
Restricted Use :	This site has restrictions on its use.
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	Unregulated UST
Assignment Date :	2003-05-16 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**UNDERGROUND HOISTS (Continued)**

**1006819562**

Activity Lead : Clarence Callahan  
Assignment End Date : 2003-06-30 00:00:00  
End fill : 2003-06-30 00:00:00  
Result fill : No Further Action (NFA)-Unrestricted Use (Zoned Industrial)  
Overall Status : SDAR NFA  
File Under : Kamehameha School-Bishop Estate  
Restricted Use Comm : The Site is limited to commercial use. See the hardcopy file for a description of the restrictions in use.  
  
Ic Relied On In Remedy : Not reported  
Unit : Bishop Estate - Underground Hoists Removal  
Sitelist Name : Bishop Estate - Underground Hoists Removal

**HI INSTUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Kamehameha School-Bishop Estate  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: The Site is limited to commercial use. See the hardcopy file for a description of the restrictions in use.  
  
IC Relied on in Remedy: Not reported

**HI SPILLS:**

Case Number: 20021113-1500  
Island: Oahu  
Numerical Quantity: 25  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 2002-11-13 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Underground Hoists Removal  
Substances: Hydraulic Oil  
Incident : Property owned by Kamehameha Schools. Removal of 2 underground hoists, 1 of 2 leaked. 3-5 yrs of soil removed and stockpiled on site. Ground water is at 5 ft. and is tidally influenced. Monitoring well to be placed, formerly CONT  
  
Initial : Lust site, received NFA on 1993, for gas and waste Oil . Notification taken, referral to ISST. POC Joy Takahashi.  
  
Report : Lust site, received NFA on 1993, for gas and waste Oil . Notification taken, referral to ISST. POC Joy Takahashi.

**J47**  
**NW**  
**1/4-1/2**  
**1406 ft.**

**LEXUS OF HAWAII**  
**744 ALA MOANA BOULEVARD**  
**HONOLULU, HI 96813**

**Site 4 of 4 in cluster J**

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

**RCRA-SQG** **1000427524**  
**FINDS** **HID982488033**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LEXUS OF HAWAII (Continued)**

EDR ID Number  
EPA ID Number

**1000427524**

RCRAInfo:  
Owner: SERVO PACIFIC INC  
(415) 555-1212  
EPA ID: HID982488033  
Contact: ENVIRONMENTAL MANAGER  
(808) 545-3987  
Classification: Conditionally Exempt Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**I48  
West  
1/4-1/2  
1408 ft.**

**ROBERTS HAWAII  
759 KELIKOI ST  
HONOLULU, HI 96814**

**SHWS  
SPILLS  
INST CONTROL**

**S106820242  
N/A**

**Site 4 of 6 in cluster I**

**Relative:  
Higher**

**SHWS:**

**Actual:  
9 ft.**

Supplement : Not reported  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2003-10-13 00:00:00  
Activity Lead : Steve Mow  
Assignment End Date : 2005-04-22 00:00:00  
End fill : 2005-04-22 00:00:00  
Result fill : No Further Action (NFA) with Institutional Controls  
Overall Status : SDAR NFA  
File Under : Roberts Hawaii Tours  
Restricted Use Comm : Prohibit Any Activity That May Disturb the Integrity of the Capping System  
IC Relied On In Remedy : Not reported  
Unit : Roberts Hawaii  
Sitelist Name : Roberts Hawaii

**HI INSTUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Roberts Hawaii Tours  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: Prohibit Any Activity That May Disturb the Integrity of the Capping System  
IC Relied on in Remedy: Not reported

**HI SPILLS:**

Case Number: 19901012-2  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ROBERTS HAWAII (Continued)

EDR ID Number  
EPA ID Number

S106820242

Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Roberts Hawaii on Kelikoi Street  
Substances: USED MOTOR OIL, SOLVENTS, DIESEL ANTIFREEZE AND HYDCAULICOIL  
Incident : SOILS CONTAMINATED WITH OIL AND HYDRAULIC FLUID. EPCRA  
Initial : SOIL TAKEN TO LANDFILL FOR DISPOSAL  
Report : SOIL TAKEN TO LANDFILL FOR DISPOSAL

I49  
West  
1/4-1/2  
1408 ft.

ROBERTS HAWAII TOURS  
759 KELIKOI ST  
HONOLULU, HI 96813

LUST U001235283  
UST N/A

Site 5 of 6 in cluster I

Relative:  
Higher

LUST:

Actual:  
9 ft.

Facility ID: 9-100893  
Release ID: 910017  
Facility Status Date: 1996-02-13  
Facility Status: Site Cleanup Completed  
Project Officer: Ichinotsubo

UST:

Facility ID: 9-100893 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 12000 Installed: 1976-04-08 00:00:00  
Date Closed: 1991-01-28 00:00:00 Substance: Diesel  
Owner: ROBERTS HAWAII TOURS, INC  
680 IWILEI ROAD, SUITE 700  
Honolulu, HI 96813

Facility ID: 9-100893 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000 Installed: 1976-04-08 00:00:00  
Date Closed: 1991-01-28 00:00:00 Substance: Gasoline  
Owner: ROBERTS HAWAII TOURS, INC  
680 IWILEI ROAD, SUITE 700  
Honolulu, HI 96813

Facility ID: 9-100893 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: 1976-04-08 00:00:00  
Date Closed: 1991-01-28 00:00:00 Substance: Used Oil  
Owner: ROBERTS HAWAII TOURS, INC  
680 IWILEI ROAD, SUITE 700  
Honolulu, HI 96813

M50  
NW  
1/4-1/2  
1429 ft.

FLINT INK CORP CAL INK DIV  
223 COOKE ST  
HONOLULU, HI 96813

RCRA-SQG 1000321576  
FINDS HID044845493

Site 1 of 3 in cluster M

Relative:  
Higher

Actual:  
3 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FLINT INK CORP CAL INK DIV (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000321576

RCRAInfo:

Owner: FLINT INK CORPORATION  
(415) 555-1212  
EPA ID: HID044845493  
Contact: ENVIRONMENTAL MANAGER  
(808) 538-6718

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

N51  
North  
1/4-1/2  
1457 ft.

YORK INTERNATIONAL INC  
851 POHUKAINA ST NO D  
HONOLULU, HI 96813

RCRA-SQG 1001218492  
FINDS HIR000035154

Relative:  
Higher

Site 1 of 6 in cluster N

Actual:  
3 ft.

RCRAInfo:

Owner: YORK INTERNATIONAL CORP  
(717) 771-7890  
EPA ID: HIR000035154  
Contact: MARK YOSHIZU  
(808) 596-0761

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.10-12.A  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 04/02/1998  
Actual Date Achieved Compliance: 05/19/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/21/1998  
Penalty Type: Not reported

Regulation Violated: 262.20-23.B  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 04/02/1998  
Actual Date Achieved Compliance: 05/19/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/21/1998  
Penalty Type: Not reported

Regulation Violated: 262.44.D  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 04/02/1998  
Actual Date Achieved Compliance: 05/19/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/21/1998  
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation

Area of Violation

Date of  
Compliance



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**YORK INTERNATIONAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Compliance Evaluation Inspection

GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

**1001218492**

19980519  
19980519  
19980519

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**M52**  
**WNW**  
**1/4-1/2**  
**1456 ft.**

**KAKAAKO MAKAI GATEWAY**  
**COOKE ST & ILALO ST**  
**HONOLULU, HI 96814**

**SHWS 1006820751**  
**FINDS 110013787606**

**Site 2 of 3 in cluster M**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**4 ft.**

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Ranking  
Assignment Date : 2005-04-13 00:00:00  
Activity Lead : Eric Sadoyama  
Assignment End Date : 2005-08-11 00:00:00  
End fill : 2005-08-11 00:00:00  
Result fill : SDAR Ranked No Further Action (NFA)  
Overall Status : Ongoing  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Y. Hata Company, Ltd.  
Sitelist Name : Y. Hata Company, Ltd.

**M53**  
**WNW**  
**1/4-1/2**  
**1456 ft.**

**SHELLY MOTORS BODY SHOP**  
**720 ILALO ST**  
**HONOLULU, HI 96813**

**RCRA-SQG 1000823304**  
**FINDS HID984469684**

**Site 3 of 3 in cluster M**

**Relative:**  
**Higher**

**RCRAInfo:**

Owner: SHELLY MOTORS INC  
(808) 521-8080  
EPA ID: HID984469684  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

**Actual:**  
**4 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SHELLY MOTORS BODY SHOP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000823304**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**I54**  
**West**  
**1/4-1/2**  
**1472 ft.**

**SERVCO PACIFIC, INC RUSTPROOFING CENTER**  
**741B KELIKOI ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000429559**  
**HID981455884**

**Site 6 of 6 in cluster I**

**Relative:**  
**Higher**

**RCRAInfo:**

Owner: SERVCO PACIFIC, INC  
(415) 555-1212

EPA ID: HID981455884

Contact: ENVIRONMENTAL MANAGER  
(808) 537-5554

Classification: Small Quantity Generator  
TSD Activities: Not reported

Violation Status: No violations found

**Actual:**  
**9 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**O55**  
**East**  
**1/4-1/2**  
**1482 ft.**

**MCWAYNE MARINE SUPPLY**  
**1125 ALA MOANA BLVD**  
**HONOLULU, HI 96814**

**UST** **U001235457**  
**N/A**

**Site 1 of 2 in cluster O**

**Relative:**  
**Higher**

**UST:**

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 250  
Date Closed: Not reported  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-F  
Installed: Not reported  
Substance: Used Oil

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: Not reported  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-H  
Installed: Not reported  
Substance: Not Listed

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 250  
Date Closed: Not reported  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-G  
Installed: Not reported  
Substance: Used Oil

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MCWAYNE MARINE SUPPLY (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235457

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: 1994-02-11 00:00:00  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-E  
Installed: 1966-05-07 00:00:00  
Substance: Other

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Date Closed: 1994-02-11 00:00:00  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-D  
Installed: 1966-05-07 00:00:00  
Substance: Gasoline

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 7500  
Date Closed: 1994-02-11 00:00:00  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-C  
Installed: 1966-05-07 00:00:00  
Substance: Diesel

Facility ID: 9-101369  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Date Closed: 1994-02-10 00:00:00  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96814

Tank ID: R-B  
Installed: 1966-05-07 00:00:00  
Substance: Diesel

O56  
East  
1/4-1/2  
1482 ft.

MCWAYNE MARINE SUPPLY  
1125 ALA MOANA BLVD  
HONOLULU, HI 96814

LUST S103872814  
N/A

Site 2 of 2 in cluster O

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID: 9-101369  
Release ID: 930107  
Facility Status Date: 1995-08-31  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

N57  
North  
1/4-1/2  
1509 ft.

PRECISION AIR CONDITIONING INC  
841 POHUKAINA ST UNIT D  
HONOLULU, HI 96813

RCRA-SQG 1004688979  
FINDS HIR000050153

Site 2 of 6 in cluster N

Relative:  
Higher

Actual:  
3 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**PRECISION AIR CONDITIONING INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1004688979**

RCRAInfo:

Owner: FREDDIE OBRERO  
(808) 591-0410  
EPA ID: HIR000050153  
Contact: TOBY SHINOBI  
(808) 591-0410

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**N58**  
**North**  
**1/4-1/2**  
**1542 ft.**

**HONOLULU SHIP SUPPLY**  
**834 POHUKAINA ST**  
**HONOLULU, HI 96813**

**UST** **U003832856**  
**N/A**

**Relative:**  
**Higher**

**Site 3 of 6 in cluster N**

UST:

**Actual:**  
**3 ft.**

Facility ID:	9-103735	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	550	Substance:	Diesel
Date Closed:	1994-01-12 00:00:00		
Owner:	DCL - HONOLULU SHIP SUPPLY CO.		
	506 AHUI ST		
	Honolulu, HI 96813		

**N59**  
**North**  
**1/4-1/2**  
**1542 ft.**

**HONOLULU SHIP SUPPLY**  
**834 POHUKAINA ST**  
**HONOLULU, HI 96813**

**LUST** **S105211956**  
**N/A**

**Relative:**  
**Higher**

**Site 4 of 6 in cluster N**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-103735  
Release ID: 940090  
Facility Status Date: 2001-12-27  
Facility Status: Site Cleanup Completed  
Project Officer: Fu

**N60**  
**North**  
**1/4-1/2**  
**1542 ft.**

**RED AND WHITE FOODS INC**  
**834 POHUKAINA ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000906707**  
**FINDS** **HI0000132639**

**Relative:**  
**Higher**

**Site 5 of 6 in cluster N**

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**RED AND WHITE FOODS INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000906707**

RCRAInfo:

Owner: RED AND WHITE FOODS INC  
(808) 591-2091  
EPA ID: HI0000132639  
Contact: CONSTANCE GOTO  
(808) 591-2091

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**N61  
NNE  
1/4-1/2  
1607 ft.**

**DCL - HONOLULU SHIP SUPPLY  
506 AHUI ST  
HONOLULU, HI 96813**

**UST U001235116  
N/A**

**Site 6 of 6 in cluster N**

**Relative:  
Higher**

UST:

**Actual:  
3 ft.**

Facility ID: 9-100248  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1994-01-12 00:00:00  
Owner: DCL - HONOLULU SHIP SUPPLY CO.  
506 AHUI ST  
Honolulu, HI 96813

Tank ID: R-2  
Installed: 1980-03-17 00:00:00  
Substance: Gasoline

Facility ID: 9-100248  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1994-01-12 00:00:00  
Owner: DCL - HONOLULU SHIP SUPPLY CO.  
506 AHUI ST  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1980-03-17 00:00:00  
Substance: Gasoline

**L62  
NNW  
1/4-1/2  
1674 ft.**

**J S AUTOMOTIVE  
721 AUAHI ST  
HONOLULU, HI 96813**

**RCRA-SQG 1000103393  
FINDS HID981660962**

**Site 3 of 3 in cluster L**

**Relative:  
Higher**

**Actual:  
3 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**J S AUTOMOTIVE (Continued)**

EDR ID Number  
EPA ID Number

**1000103393**

RCRAInfo:  
Owner: J'S AUTOMOTIVE  
(415) 555-1212  
EPA ID: HID981660962  
Contact: ENVIRONMENTAL MANAGER  
(808) 533-3551  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**P63  
NW  
1/4-1/2  
1687 ft.**

**HONOLULU FORD  
711 ALA MOANA BLVD  
HONOLULU, HI 96813**

**RCRA-SQG  
FINDS  
LUST  
UST**

**1000334046  
HID981652043**

**Site 1 of 2 in cluster P**

**Relative:  
Higher**

**Actual:  
3 ft.**

RCRAInfo:  
Owner: JAMES S MARKEY  
(415) 555-1212  
EPA ID: HID981652043  
Contact: GARY GIBO  
(808) 523-8200  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

LUST:  
Facility ID: 9-100937  
Release ID: 050036  
Facility Status Date: 2005-06-30  
Facility Status: Confirmed Release  
Project Officer: Li

UST:  
Facility ID: 9-100937  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1988-10-10 00:00:00  
Owner: HONOLULU FORD INC.  
711 ALA MOANA BLVD  
Honolulu, HI 96813  
Tank ID: R-02  
Installed: 1962-05-28 00:00:00  
Substance: Used Oil  
Facility ID: 9-100937  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1988-10-10 00:00:00  
Tank ID: R-01  
Installed: 1962-05-28 00:00:00  
Substance: Used Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HONOLULU FORD (Continued)**

EDR ID Number  
EPA ID Number

**1000334046**

Owner: HONOLULU FORD INC.  
711 ALA MOANA BLVD  
Honolulu, HI 96813

Facility ID: 9-100937  
Tank Status: Currently In Use  
Tank Capacity: 2500  
Date Closed: Not reported  
Owner: HONOLULU FORD INC.  
711 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: 03  
Installed: 1988-10-28 00:00:00  
Substance: Used Oil

**P64  
NW  
1/4-1/2  
1737 ft.**

**THEO DAVIES EUROMOTORS  
704 ALA MOANA BOULEVARD  
HONOLULU, HI 96813**

**RCRA-SQG  
FINDS  
LUST  
UST**

**1000324981  
HID981674476**

**Site 2 of 2 in cluster P**

**Relative:  
Higher**

**Actual:  
3 ft.**

RCRAInfo:  
Owner: THEO DAVIES  
(415) 555-1212  
EPA ID: HID981674476  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**LUST:**

Facility ID: 9-101329  
Release ID: 920169  
Facility Status Date: 1999-03-04  
Facility Status: Site Cleanup Completed  
Project Officer: Ung

**UST:**

Facility ID: 9-101329  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1992-05-23 00:00:00  
Owner: THEO H. DAVIES EUROMOTORS, LTD.  
704 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-2  
Installed: 1976-03-28 00:00:00  
Substance: Gasoline

Facility ID: 9-101329  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1992-05-24 00:00:00  
Owner: THEO H. DAVIES EUROMOTORS, LTD.  
704 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-3  
Installed: 1981-03-28 00:00:00  
Substance: Used Oil

Facility ID: 9-101329  
Tank Status: Permanently Out of Use

Tank ID: R-1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**THEO DAVIES EUROMOTORS (Continued)**

EDR ID Number  
EPA ID Number

**1000324981**

Tank Capacity: 2000  
Date Closed: 1992-05-16 00:00:00  
Owner: THEO H. DAVIES EUROMOTORS, LTD.  
704 ALA MOANA BLVD  
Honolulu, HI 96813  
Installed: 1981-03-28 00:00:00  
Substance: Diesel

**65  
ESE  
1/4-1/2  
1747 ft.**

**JAE IL FISHING INC  
1025 ALA MOANA BLVD UNIT 115  
HONOLULU, HI 96824**

**RCRA-SQG  
FINDS**

**1000906756  
HI0000480418**

**Relative:  
Higher**

**RCRAInfo:**

Owner: KIM CHE KUN  
(808) 536-2521

**Actual:  
3 ft.**

EPA ID: HI0000480418

Contact: CHE KUN KIM  
(808) 536-2521

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**Q66  
NNE  
1/4-1/2  
1774 ft.**

**A COMPLETE SILK SCREEN SHOP  
860 HALEKAUWILA ST  
HONOLULU, HI 96813**

**UST U001235541  
N/A**

**Site 1 of 3 in cluster Q**

**Relative:  
Higher**

**UST:**

Facility ID: 9-101543  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1987-03-28 00:00:00  
Owner: ATHERTON FAMILY FOUNDATION  
111 S KING ST  
Honolulu, HI 96813

Tank ID: R-1  
Installed: Not reported  
Substance: Not Listed

**Actual:  
3 ft.**

**R67  
NE  
1/4-1/2  
1794 ft.**

**420 WARD AVE  
420 WARD AVE/901 ILANIWAI ST  
HONOLULU, HI 96814**

**LUST SPILLS  
UST U003732581  
N/A**

**Site 1 of 4 in cluster R**

**Relative:  
Higher**

**LUST:**

Facility ID: 9-103631  
Release ID: 000075  
Facility Status Date: 2001-06-13  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**Actual:  
3 ft.**

**HI SPILLS:**

Case Number: 20000504-1347  
Island: Oahu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

420 WARD AVE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003732581

Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2000-05-04 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: UST discovered Ward Ave.  
Substances: Not reported  
Incident : Ken Beal reported 3 tanks at Ward Ave. Possible used for solvents high, Btex levels. Written report to follow.  
Initial : Ken Beal reported 3 tanks at Ward Ave. Possible used for solvents high, Btex levels. Written report to follow.  
Report : Ken Beal reported 3 tanks at Ward Ave. Possible used for solvents high, Btex levels. Written report to follow.

UST:

Facility ID: 9-103631 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 250 Installed: Not reported  
Date Closed: 2000-04-07 00:00:00 Substance: Other  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

Facility ID: 9-103631 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 250 Installed: Not reported  
Date Closed: 2000-04-07 00:00:00 Substance: Other  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

Facility ID: 9-103631 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 250 Installed: Not reported  
Date Closed: 2000-04-07 00:00:00 Substance: Other  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

68  
North  
1/4-1/2  
1796 ft.

COOKE STREET LEAD CONTAMINATION  
501 COOKE ST  
HONOLULU, HI 96813

SHWS 1006820105  
FINDS 110013780051  
INST CONTROL

Relative:  
Higher

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

Actual:  
3 ft.

SHWS:  
Supplement : Not reported  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2003-10-13 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**COOKE STREET LEAD CONTAMINATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1006820105**

Activity Lead : Steve Mow  
Assignment End Date : 2005-04-22 00:00:00  
End fill : 2005-04-22 00:00:00  
Result fill : No Further Action (NFA) with Institutional Controls  
Overall Status : SDAR NFA  
File Under : Kamehameha School-Bishop Estate  
Restricted Use Comm : Prohibit Any Activity That May Disturb the Integrity of the Capping System  
Ic Relied On In Remedy : Not reported  
Unit : Cooke Street Lead Contamination  
Sitelist Name : Cooke Street Lead Contamination

**HI INSTUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Kamehameha School-Bishop Estate  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: Prohibit Any Activity That May Disturb the Integrity of the Capping System  
IC Relied on in Remedy: Not reported

**69  
East  
1/4-1/2  
1865 ft.**

**COMPUTER CITY AT WARD VILLAGE SHOPS  
1108 AUAHI ST  
HONOLULU, HI 96814**

**LUST U003154857  
UST N/A**

**Relative:  
Higher**

**LUST:**

Facility ID: 9-103178  
Release ID: 960071  
Facility Status Date: 1997-06-12  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**Actual:  
3 ft.**

**UST:**

Facility ID: 9-103178 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported  
Date Closed: 1996-03-25 00:00:00 Substance: Diesel  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

**R70  
NE  
1/4-1/2  
1881 ft.**

**V H T INC  
918 ILANIWAI ST  
HONOLULU, HI 96813**

**RCRA-SQG 1000823290  
FINDS HID984469494**

**Site 2 of 4 in cluster R**

**Relative:  
Higher**

**RCRAInfo:**

Owner: TAKEMOTO AND TAKEMOTO  
(808) 521-8757  
EPA ID: HID984469494  
Contact: VAN TAKEMOTO  
(808) 521-8757

**Actual:  
3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**V H T INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000823290**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**R71**  
**NE**  
**1/4-1/2**  
**1929 ft.**

**ISLAND FENDER**  
**440 KAMANI ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000906740**  
**HI0000452896**

**Site 3 of 4 in cluster R**

**Relative:**  
**Higher**

**RCRAInfo:**

Owner: VAN TAKEMOTO  
(808) 592-8757

EPA ID: HI0000452896

Contact: VAN TAKEMOTO  
(808) 592-8757

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**Q72**  
**NNE**  
**1/4-1/2**  
**1939 ft.**

**HAWAII INSTRUMENTATION & CONTROLS, INC**  
**822 HALEKAUWILA ST**  
**HONOLULU, HI**

**SHWS**  
**SPILLS**

**S106817350**  
**N/A**

**Site 2 of 3 in cluster Q**

**Relative:**  
**Higher**

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : Not reported  
Activity Type : ISST  
Assignment Date : 1997-02-05 00:00:00  
Activity Lead : Unknown  
Assignment End Date : 1997-02-07 00:00:00  
End fill : 1997-02-07 00:00:00  
Result fill : NFA  
Overall Status : SDAR NFA  
File Under : Hawaii Instrumentation & Controls Inc.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Hawaii Instrumentation & Controls, Inc  
Sitelist Name : Hawaii Instrumentation & Controls, Inc

**Actual:**  
**3 ft.**

**HI SPILLS:**

Case Number: 19910620-3  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HAWAII INSTRUMENTATION & CONTROLS, INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106817350**

Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: HAWAII INSTRUMENTATION & CONTROLS, INC., HALEKAUWILA ST. 822  
Substances: UNKNOWN CHEMICAL  
Incident : SOMEONE DUMPED CHEMICALS OVER FENCE.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.  
Initial : UNABLE TO EXTRACT A CONFESSION FROM ANY OF THE BUSINESSES ON THE OTHER SIDE OF THE FENCE. NOTHING DONE, NO CLEANUP.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.  
Report : UNABLE TO EXTRACT A CONFESSION FROM ANY OF THE BUSINESSES ON THE OTHER SIDE OF THE FENCE. NOTHING DONE, NO CLEANUP.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.  
  
Case Number: 19941216-4  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Odor  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: HCDA Site/Hawaii Instrumentaion & Controls Inc.  
Substances: unknown odor  
Incident : SOMEONE DUMPED CHEMICALS OVER FENCE.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.  
Initial : UNABLE TO EXTRACT A CONFESSION FROM ANY OF THE BUSINESSES ON THE OTHER SIDE OF THE FENCE. NOTHING DONE, NO CLEANUP.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.  
Report : UNABLE TO EXTRACT A CONFESSION FROM ANY OF THE BUSINESSES ON THE OTHER SIDE OF THE FENCE. NOTHING DONE, NO CLEANUP.  
Rcvd notification from Irene of HCDA stating a lingering foul odor has engulfed the building for a lon period and has not been identified or a source found.  
DOH/HEER to investigate as last resort. Time reported 0.65.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
<b>73</b> <b>NNW</b> <b>1/4-1/2</b> <b>1960 ft.</b>	<b>AMFAC DIST. HI -BLDG MATERIALS</b> <b>465 CORAL ST</b> <b>HONOLULU, HI 96813</b>	<b>UST</b>	<b>U003221672</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	UST: Facility ID: 9-101490 Tank Status: Permanently Out of Use Tank Capacity: Not reported Date Closed: Not reported Owner: AMFAC DISTRIBUTION HAWAII 700 BISHOP St, 21ST FLOOR Honolulu, HI 96813	Tank ID: R-01 Installed: Not reported Substance: Gasoline	
<b>Actual:</b> <b>3 ft.</b>			
<b>Q74</b> <b>NNE</b> <b>1/4-1/2</b> <b>1986 ft.</b>	<b>CLARA TAKEKUCHI</b> <b>848 ILANIWAI ST</b> <b>HONOLULU, HI 96813</b>	<b>UST</b>	<b>U001235945</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<b>Site 3 of 3 in cluster Q</b> UST: Facility ID: 9-102532 Tank Status: Permanently Out of Use Tank Capacity: 550 Date Closed: Not reported Owner: CLARA TAKEKUCHI 398 LUNALILO HOME RD Honolulu, HI 96813	Tank ID: R-1 Installed: Not reported Substance: Gasoline	
<b>Actual:</b> <b>3 ft.</b>			
<b>S75</b> <b>NNE</b> <b>1/4-1/2</b> <b>1993 ft.</b>	<b>TODOKI MACHINE &amp; MARINE WORKS</b> <b>810 HALEKAUWILA ST</b> <b>HONOLULU, HI 96813</b>	<b>UST</b>	<b>U001235185</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<b>Site 1 of 3 in cluster S</b> UST: Facility ID: 9-100490 Tank Status: Permanently Out of Use Tank Capacity: 550 Date Closed: Not reported Owner: TODOKI MACHINE & MARINE WORKS 810 HALEKAUWILA ST Honolulu, HI 96813	Tank ID: P-1 Installed: 1975-08-13 00:00:00 Substance: Gasoline	
<b>Actual:</b> <b>3 ft.</b>			
<b>T76</b> <b>NW</b> <b>1/4-1/2</b> <b>2004 ft.</b>	<b>PRODUCE CENTER DEV.LTD.</b> <b>651 ILALO ST</b> <b>HONOLULU, HI 96813</b>	<b>LUST</b> <b>UST</b>	<b>U001235575</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<b>Site 1 of 8 in cluster T</b> LUST: Facility ID: 9-101735 Release ID: 940165 Facility Status Date: 2001-06-01 Facility Status: Site Cleanup Completed Project Officer: Li UST: Facility ID: 9-101735 Tank Status: Permanently Out of Use	Tank ID: R-3	
<b>Actual:</b> <b>3 ft.</b>			

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**PRODUCE CENTER DEV.LTD. (Continued)**

**U001235575**

Tank Capacity:	6000	Installed:	1978-03-10 00:00:00
Date Closed:	1994-07-07 00:00:00	Substance:	Gasoline
Owner:	PRODUCE CENTER DEV. LTD. 651 ILALO ST Honolulu, HI 96813		
Facility ID:	9-101735	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	1978-03-10 00:00:00
Tank Capacity:	4000	Substance:	Diesel
Date Closed:	1994-07-07 00:00:00		
Owner:	PRODUCE CENTER DEV. LTD. 651 ILALO ST Honolulu, HI 96813		
Facility ID:	9-101735	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	1978-03-10 00:00:00
Tank Capacity:	4000	Substance:	Gasoline
Date Closed:	1994-07-04 00:00:00		
Owner:	PRODUCE CENTER DEV. LTD. 651 ILALO ST Honolulu, HI 96813		

**T77  
NW  
1/4-1/2  
2004 ft.**

**HCDA/UH HEALTH AND WELLNESS CENTER  
651 ILALO ST  
HONOLULU, HI 96813**

**SHWS 1006821120  
FINDS 110013791673  
INST CONTROL**

**Site 2 of 8 in cluster T**

**Relative:  
Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:  
3 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	This site has restrictions on its use.
Fed Id :	Not reported
Funding :	Not reported
Agreement/program :	State Site
Activity Type :	Screening
Assignment Date :	2002-05-21 00:00:00
Activity Lead :	Steve Mow
Assignment End Date :	2004-08-23 00:00:00
End fill :	2004-08-23 00:00:00
Result fill :	No Further Action (NFA) with Conditions
Overall Status :	SDAR NFA
File Under :	State of Hawaii, Hawaii Community Development Authority
Restricted Use Comm :	An exposure management plan is in use.
Ic Relied On In Remedy :	An exposure management plan is in use.
Unit :	HCDA/UH Medical School
Sitelist Name :	HCDA/UH Medical School

**HI INSTITUTIONAL CONTROL:**

Facility Addr 2:	Not reported
File Under:	State of Hawaii, Hawaii Community Development Authority
Restricted Use:	This site has restrictions on its use.
Comments on Restricted Use:	An exposure management plan is in use.
IC Relied on in Remedy:	An exposure management plan is in use.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**T78**  
**NW**  
**1/4-1/2**  
**2004 ft.**

**PRODUCE CENTER DEVELOPMENT LIMITED**  
**651 ILALO STREET**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000906752**  
**HI0000477513**

**Relative:**  
**Higher**

**Site 3 of 8 in cluster T**

RCRAInfo:

Owner: H I COMMUNITY DEVELOPMENT  
(808) 587-8160

EPA ID: HI0000477513

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

HAWAII-UNDERGROUND STORAGE TANK

NATIONAL COMPLIANCE DATABASE SYSTEM

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**R79**  
**NE**  
**1/4-1/2**  
**2014 ft.**

**HAWAIIAN HARDWOOD CO., LTD**  
**935 QUEEN ST**  
**HONOLULU, HI 96814**

**LUST**  
**UST**

**U003762118**  
**N/A**

**Site 4 of 4 in cluster R**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-103660

Release ID: 010029

Facility Status Date: 2001-11-23

Facility Status: Site Cleanup Completed

Project Officer: Fu

**Actual:**  
**3 ft.**

UST:

Facility ID: 9-103660

Tank Status: Permanently Out of Use

Tank Capacity: 1000

Date Closed: 2001-03-13 00:00:00

Owner: DICK CHUN

P.O. BOX 3293

Honolulu, HI 96814

Tank ID: R-1

Installed: Not reported

Substance: Diesel

Facility ID: 9-103660

Tank Status: Permanently Out of Use

Tank Capacity: 2000

Date Closed: 2001-03-13 00:00:00

Owner: DICK CHUN

P.O. BOX 3293

Honolulu, HI 96814

Tank ID: R-2

Installed: Not reported

Substance: Gasoline



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U80**  
**NE**  
**1/4-1/2**  
**2050 ft.**

**VICTORIA WARD LTD**  
**956 QUEEN ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1001493014**  
**HIR000055517**

**Site 1 of 9 in cluster U**

**Relative:**  
**Higher**

RCRAInfo:

Owner: VICTORIA WARD LTD  
(808) 591-8411

**Actual:**  
**3 ft.**

EPA ID: HIR000055517

Contact: H MITCHELL DOLIER  
(808) 591-8411

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**U81**  
**NE**  
**1/4-1/2**  
**2052 ft.**

**RAY'S AUTO SERVICE**  
**959 QUEEN ST**  
**HONOLULU, HI 96814**

**LUST**  
**UST**

**U001235980**  
**N/A**

**Site 2 of 9 in cluster U**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-102612

Release ID: 930065

Facility Status Date: 1993-11-16

Facility Status: Site Cleanup Completed

Project Officer: Seid

**Actual:**  
**3 ft.**

UST:

Facility ID: 9-102612

Tank ID: R-1

Tank Status: Permanently Out of Use

Tank Capacity: 500

Installed: 1986-09-30 00:00:00

Date Closed: 1993-02-11 00:00:00

Substance: Used Oil

Owner: RAYMOND TAMURA  
RAY'S AUTO SERVICE / 959 QUEEN ST  
Honolulu, HI 96814

**V82**  
**NNW**  
**1/4-1/2**  
**2072 ft.**

**PACIFIC NISSAN INC**  
**670 AUAHI ST**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000601430**  
**HID984466524**

**Site 1 of 4 in cluster V**

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**PACIFIC NISSAN INC (Continued)**

EDR ID Number  
EPA ID Number

**1000601430**

RCRAInfo:

Owner: PACIFIC NISSAN INC  
(808) 536-7700  
EPA ID: HID984466524  
Contact: DENNIS YOUNG  
(808) 524-2111  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**S83**  
**North**  
**1/4-1/2**  
**2156 ft.**

**HAWAII COMMUNITY DEVELOPMENT AUTHORITY**  
**524 COOKE ST**  
**HONOLULU, HI 96813**

**UST U001235907**  
**N/A**

**Site 2 of 3 in cluster S**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID:	9-102417	Tank ID:	1
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	1000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY 677 ALA MOANA BLVD, SUITE 1001 Honolulu, HI 96813		
Facility ID:	9-102417	Tank ID:	2
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	1000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY 677 ALA MOANA BLVD, SUITE 1001 Honolulu, HI 96813		

**W84**  
**NNE**  
**1/4-1/2**  
**2166 ft.**

**H. HAMADA STORE INC.**  
**885 QUEEN ST**  
**HONOLULU, HI 96813**

**LUST U001235554**  
**UST N/A**

**Site 1 of 2 in cluster W**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-101673  
Release ID: 970045  
Facility Status Date: 2001-01-04  
Facility Status: Site Cleanup Completed  
Project Officer: Li  
UST:  
Facility ID: 9-101673  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1989-09-21 00:00:00  
Owner: H. HAMADA STORE INC.

Tank ID: R-001  
Installed: 1982-08-05 00:00:00  
Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

H. HAMADA STORE INC. (Continued)

EDR ID Number  
EPA ID Number

U001235554

885 QUEEN ST  
Honolulu, HI 96813

T85  
NW  
1/4-1/2  
2176 ft.

KAKAAKO PUMP STATION  
240 KEAWE ST  
HONOLULU, HI 96813

SHWS  
BROWNFIELDS  
INST CONTROL

S107022565  
N/A

Site 4 of 8 in cluster T

Relative:  
Higher

SHWS:

Actual:  
3 ft.

Supplement : Ala Moana Blvd & Forrest St, Kakaako Area  
Restricted Use : This site is under evaluation for use restriction.  
Fed Id : Not reported  
Funding : SRP  
Agreement/program : Brownfields  
Activity Type : Phase II Recommended  
Assignment Date : 2004-10-01 00:00:00  
Activity Lead : Melody Calisay  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : State of Hawaii, Hawaii Community Development Authority  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Kakaako Pump Station  
Sitelist Name : Kakaako Pump Station

HI INSTUTIONAL CONTROL:

Facility Addr 2: Not reported  
File Under: State of Hawaii, Hawaii Community Development Authority  
Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported

HI BROWNFIELDS:

Fed ID: Not reported  
File Under : State of Hawaii, Hawaii Community Development Authority  
Funding : SRP  
Site List Name: Kakaako Pump Station  
End Fill : 2005-08-24 00:00:00  
Supplemental Location Text: Ala Moana Blvd & Forrest St, Kakaako Area  
Restricted Use: This site is under evaluation for use restriction.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported  
Activity Type: Phase II Recommended  
Assignment Date: 2004-10-01 00:00:00  
Activity Lead: Melody Calisay  
Assignment End Date: Not reported  
Result: 8  
Agreement/Program: Brownfields  
Overall Status: Ongoing

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**S86**  
**North**  
**1/4-1/2**  
**2189 ft.**

**QUALEX INC**  
**760 HALEKAUWILA ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000315642**  
**HID049981996**

**Relative:**  
**Higher**

**Site 3 of 3 in cluster S**

RCRAInfo:

Owner: QUALEX INC  
(415) 555-1212

EPA ID: HID049981996

Contact: LES KANDA  
(808) 531-6565

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**T87**  
**NW**  
**1/4-1/2**  
**2199 ft.**

**ALA MOANA #2 WWPS**  
**210 KEAWE ST**  
**HONOLULU, HI 96813**

**SHWS**  
**SPILLS**

**S106816012**  
**N/A**

**Relative:**  
**Higher**

**Site 5 of 8 in cluster T**

SHWS:

Supplement : Not reported

Restricted Use : Not reported

Fed Id : Not reported

Funding : ERRF

Agreement/program : State Site

Activity Type : Screening

Assignment Date : 2004-05-20 00:00:00

Activity Lead : Mark Sutterfield

Assignment End Date : 2004-11-04 00:00:00

End fill : 2004-11-04 00:00:00

Result fill : No Further Action (NFA) with Conditions

Overall Status : SDAR NFA

File Under : City and County of Honolulu, Department of Environmental Services, Wastewater  
Treatment and Disposal

Restricted Use Comm : Not reported

Ic Relied On In Remedy : Not reported

Unit : Ala Moana #2 WWPS

Sitelist Name : Ala Moana #2 WWPS

HI SPILLS:

Case Number: 19900712

Island: Oahu

Numerical Quantity: Not reported

Less Or Greater Than : Not reported

Units : Not reported

Activity Type : Response

Assignment Date : Not reported

Activity Lead : Not reported

Assignment End Date : Not reported

Result : 8

Supplemental Loc. Text: Not reported

Unit: Pacific Construction, Gold Bond Building, Keawe St

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ALA MOANA #2 WWPS (Continued)

S106816012

Substances: COOKING GREASE  
Incident : COOKING GREASE IN THE STORM DRAIN. REPORTED AS OIL AND GREASE.  
Break in main at Ala Moana pump station, 500 gals into draining box. Pumped out  
and divert into sewer manhole. Three to five (3-5) gals per min. 08:49-10:27  
secured. TMK 121015023.  
Initial : COOKING GREASE WAS MIXED WITH SOIL AND BURIED ON SITE. THE AREA WAS THEN PAVED  
OVER WITH ASPHALT.  
C/C-WW lead.  
Report : COOKING GREASE WAS MIXED WITH SOIL AND BURIED ON SITE. THE AREA WAS THEN PAVED  
OVER WITH ASPHALT.  
C/C-WW lead.

Case Number: 19991002-1228  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1999-10-02 00:00:00  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Ala Moana Pump Station - Sewage Main Break  
Substances: sewage  
Incident : COOKING GREASE IN THE STORM DRAIN. REPORTED AS OIL AND GREASE.  
Break in main at Ala Moana pump station, 500 gals into draining box. Pumped out  
and divert into sewer manhole. Three to five (3-5) gals per min. 08:49-10:27  
secured. TMK 121015023.  
Initial : COOKING GREASE WAS MIXED WITH SOIL AND BURIED ON SITE. THE AREA WAS THEN PAVED  
OVER WITH ASPHALT.  
C/C-WW lead.  
Report : COOKING GREASE WAS MIXED WITH SOIL AND BURIED ON SITE. THE AREA WAS THEN PAVED  
OVER WITH ASPHALT.  
C/C-WW lead.

T88  
NW  
1/4-1/2  
2199 ft.

ALA MOANA WASTEWATER PUMP STN  
210 KEAWE ST  
HONOLULU, HI 96813

RCRA-SQG 1007879505  
HIR000136226

Site 6 of 8 in cluster T

Relative:  
Higher

RCRAInfo:  
Owner: CITY AND COUNTY OF HONOLULU  
EPA ID: HIR000136226  
Contact: ALLEN PERRY  
808-847-8329

Actual:  
3 ft.

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**ALA MOANA WASTEWATER PUMP STN (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1007879505**

**T89  
NW  
1/4-1/2  
2199 ft.**

**ALA MOANA WASTEWATER PUMP STATION  
210 KEAWE ST  
HONOLULU, HI 96813**

**UST U001235062  
N/A**

**Site 7 of 8 in cluster T**

**Relative:  
Higher**

**UST:**

**Actual:  
3 ft.**

Facility ID:	9-100135	Tank ID:	2
Tank Status:	Currently In Use		
Tank Capacity:	10000	Installed:	Not reported
Date Closed:	Not reported	Substance:	Diesel
Owner:	C&C HNL - DEPT OF ENVIRONMENTAL SERVICES 1000 ULU'OHIA STREET, SUITE 308 Honolulu, HI 96813		

Facility ID:	9-100135	Tank ID:	M-1
Tank Status:	Currently In Use		
Tank Capacity:	10000	Installed:	1980-05-07 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	C&C HNL - DEPT OF ENVIRONMENTAL SERVICES 1000 ULU'OHIA STREET, SUITE 308 Honolulu, HI 96813		

**T90  
NW  
1/4-1/2  
2200 ft.**

**CENTRAL DIVISION HEADQUARTERS  
207 KEAWE ST  
HONOLULU, HI 96813**

**LUST U001235188  
UST N/A**

**Site 8 of 8 in cluster T**

**Relative:  
Higher**

**LUST:**

**Actual:  
3 ft.**

Facility ID:	9-100496
Release ID:	970065
Facility Status Date:	1998-09-25
Facility Status:	Site Cleanup Completed
Project Officer:	Ung

**UST:**

Facility ID:	9-100496	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	10000	Installed:	1981-07-01 00:00:00
Date Closed:	1997-03-24 00:00:00	Substance:	Diesel
Owner:	VERIZON HAWAII 1177 BISHOP ST.P.O. BOX 2200 Hon.HI 96841 Honolulu, HI 96813		

**U91  
NE  
1/4-1/2  
2210 ft.**

**FRENCH WRENCH CORP.  
520 WARD AVE  
HONOLULU, HI 96814**

**LUST U003221596  
UST N/A**

**Site 3 of 9 in cluster U**

**Relative:  
Higher**

**LUST:**

**Actual:  
3 ft.**

Facility ID:	9-100316
Release ID:	950036
Facility Status Date:	1997-10-17

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FRENCH WRENCH CORP. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003221596**

Facility Status: Site Cleanup Completed  
Project Officer: Okoji

Facility ID: 9-100316  
Release ID: 980069  
Facility Status Date: 2001-03-05  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID: 9-100316 Tank ID: 87  
Tank Status: Currently In Use  
Tank Capacity: 10000 Installed: 1985-04-08 00:00:00  
Date Closed: Not reported Substance: Gasoline  
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US  
2555 13TH AVE, SW  
Honolulu, HI 96814

Facility ID: 9-100316 Tank ID: 92  
Tank Status: Currently In Use  
Tank Capacity: 10000 Installed: 1985-04-08 00:00:00  
Date Closed: Not reported Substance: Gasoline  
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US  
2555 13TH AVE, SW  
Honolulu, HI 96814

Facility ID: 9-100316 Tank ID: 89  
Tank Status: Currently In Use  
Tank Capacity: 10000 Installed: 1985-04-08 00:00:00  
Date Closed: Not reported Substance: Gasoline  
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US  
2555 13TH AVE, SW  
Honolulu, HI 96814

Facility ID: 9-100316 Tank ID: R-4  
Tank Status: Permanently Out of Use  
Tank Capacity: 550 Installed: 1964-04-08 00:00:00  
Date Closed: 1998-02-03 00:00:00 Substance: Used Oil  
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US  
2555 13TH AVE, SW  
Honolulu, HI 96814

**U92**  
**NE**  
**1/4-1/2**  
**2210 ft.**

**SHELL SERVICE STATION**  
**520 WARD AVE**  
**HONOLULU, HI 96814**

**RCRA-SQG** **1005415823**  
**FINDS** **HIR000112284**

**Site 4 of 9 in cluster U**

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SHELL SERVICE STATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1005415823**

RCRAInfo:

Owner: EQUILON ENTERPRISES L L C  
(713) 241-5036  
EPA ID: HIR000112284  
Contact: SONDRA BIENVENU  
(713) 241-5036

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**U93** **520 WARD AVENUE**  
**NE** **520 WARD AVENUE**  
**1/4-1/2** **HONOLULU, HI 96814**  
**2210 ft.**

**ERNS** **2004740628**  
**N/A**

**Relative:**  
**Higher**

**Site 5 of 9 in cluster U**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**3 ft.**

**W94** **WAYNE S AUTO ELECTRIC, INC**  
**NNE** **858 QUEEN STREET**  
**1/4-1/2** **HONOLULU, HI 96813**  
**2214 ft.**

**RCRA-SQG** **1000311882**  
**FINDS** **HID981652340**

**Relative:**  
**Higher**

**Site 2 of 2 in cluster W**

RCRAInfo:

Owner: WAYNE KAWATA  
(415) 555-1212  
EPA ID: HID981652340  
Contact: ENVIRONMENTAL MANAGER  
(808) 523-1133

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**X95**  
**ENE**  
**1/4-1/2**  
**2284 ft.**

**SERVICE AUTO MACHINE WORKS**  
**518 CUMMINS ST**  
**HONOLULU, HI 96814**

**LUST**  
**UST**  
**U003154828**  
**N/A**

**Site 1 of 3 in cluster X**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-103105  
Release ID: 950133  
Facility Status Date: 1995-12-21  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

UST:

Facility ID: 9-103105  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: Not reported  
Owner: THOMAS W.F. KAM TRUST  
C/O 518 CUMMINS St  
Honolulu, HI 96814

Tank ID: R-3  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-103105  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: Not reported  
Owner: THOMAS W.F. KAM TRUST  
C/O 518 CUMMINS St  
Honolulu, HI 96814

Tank ID: R-4  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-103105  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: Not reported  
Owner: THOMAS W.F. KAM TRUST  
C/O 518 CUMMINS St  
Honolulu, HI 96814

Tank ID: R-2  
Installed: Not reported  
Substance: Kerosene

Facility ID: 9-103105  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: Not reported  
Owner: THOMAS W.F. KAM TRUST  
C/O 518 CUMMINS St  
Honolulu, HI 96814

Tank ID: R-1  
Installed: Not reported  
Substance: Gasoline

**U96**  
**NE**  
**1/4-1/2**  
**2288 ft.**

**VICTORIA WARD LTD**  
**956 KAWAIAHAO ST**  
**HONOLULU, HI 96814**

**UST**  
**U003154709**  
**N/A**

**Site 6 of 9 in cluster U**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID: 9-102896  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1996-03-25 00:00:00  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96814

Tank ID: 1  
Installed: Not reported  
Substance: Diesel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U97**  
**NE**  
**1/4-1/2**  
**2291 ft.**

**TRANSMISSION SERVICE OF HAWAII**  
**972 KAWAIAHAO ST**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000320249**  
**HID982049637**

**Site 7 of 9 in cluster U**

**Relative:**  
**Higher**

RCRAInfo:

Owner: KIMURA CHARLES S  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID982049637

Contact: ENVIRONMENTAL MANAGER  
(808) 536-6337

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**U98**  
**NE**  
**1/4-1/2**  
**2292 ft.**

**VICTORIA WARD LTD**  
**955 KAWAIAHAO ST**  
**HONOLULU, HI 96800**

**UST** **U001237388**  
**N/A**

**Site 8 of 9 in cluster U**

**Relative:**  
**Higher**

UST:

Facility ID: 9-102507  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1992-12-15 00:00:00  
Owner: VICTORIA WARD LTD  
1210 AUAHI ST / SUITE 115  
Honolulu, HI 96800

Tank ID: R-1  
Installed: Not reported  
Substance: Not Listed

**V99**  
**NNW**  
**1/4-1/2**  
**2293 ft.**

**APIC CORP**  
**435 KEAWE ST**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1008194957**  
**HIR000136390**

**Site 2 of 4 in cluster V**

**Relative:**  
**Higher**

RCRAInfo:

Owner: APIC CORP  
EPA ID: HIR000136390

**Actual:**  
**3 ft.**

Contact: THOMAS HUANG  
808-550-0374

Classification: Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**APIC CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1008194957**

**U100  
NE  
1/4-1/2  
2299 ft.**

**REGO'S PURITY FOODS CO., INC.  
942 KAWAIAHAO ST  
HONOLULU, HI 96814**

**UST U001235147  
N/A**

**Relative:  
Higher**

**Site 9 of 9 in cluster U**

**UST:**

**Actual:  
3 ft.**

Facility ID:	9-100303	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1979-04-29 00:00:00
Date Closed:	1988-10-01 00:00:00	Substance:	Gasoline
Owner:	REGO'S PURITY FOODS CO., INC. 942 KAWAIAHAO ST Honolulu, HI 96814		

**V101  
NNW  
1/4-1/2  
2301 ft.**

**ANOTHER SHADOW INC  
444 LEAWE ST  
HONOLULU, HI 96813**

**RCRA-SQG 1000409233  
FINDS HID981667249**

**Relative:  
Higher**

**Site 3 of 4 in cluster V**

**RCRAInfo:**

**Actual:  
3 ft.**

Owner:	CLARK SWINK (415) 555-1212
EPA ID:	HID981667249
Contact:	ENVIRONMENTAL MANAGER (808) 526-1169

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**Y102  
North  
1/4-1/2  
2308 ft.**

**548 COOKE ST  
548 COOKE ST  
HONOLULU, HI 96813**

**RCRA-SQG 1000601510  
FINDS HID984467431**

**Relative:  
Higher**

**Site 1 of 4 in cluster Y**

**Actual:  
3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

548 COOKE ST (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000601510

RCRAInfo:

Owner: HAWAII COMMUNITY DEV AUTH  
(808) 548-7180  
EPA ID: HID984467431  
Contact: HAROLD EDWARDS  
(808) 548-7180

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Y103  
North  
1/4-1/2  
2308 ft.

HAWAII COMMUNITY DEVELOPMENT AUTHORITY  
548 COOKE ST  
HONOLULU, HI 96813

LUST U001235908  
UST N/A

Relative:  
Higher

Site 2 of 4 in cluster Y

Actual:  
3 ft.

LUST:

Facility ID: 9-102418  
Release ID: 910060  
Facility Status Date: 1999-08-24  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

UST:

Facility ID: 9-102418 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 400 Installed: Not reported  
Date Closed: Not reported Substance: Used Oil  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Facility ID: 9-102418 Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 500 Installed: Not reported  
Date Closed: Not reported Substance: Used Oil  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Facility ID: 9-102418 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000 Installed: Not reported  
Date Closed: Not reported Substance: Used Oil  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**Z104**  
**North**  
**1/4-1/2**  
**2313 ft.**

**AMENSTY DAY HAWAII**  
**690 POHUKAINA STREET**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000321121**  
**HID981403769**

**Site 1 of 2 in cluster Z**

**Relative:**  
**Higher**

RCRAInfo:

Owner: STATE OF HAWAII  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981403769

Contact: ENVIRONMENTAL MANAGER  
(808) 548-6915

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**V105**  
**NNW**  
**1/4-1/2**  
**2315 ft.**

**CONTRACTOR EQUIP & SVC CORP**  
**625 AUAHI ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000418400**  
**HID981578743**

**Site 4 of 4 in cluster V**

**Relative:**  
**Higher**

RCRAInfo:

Owner: CONTRACTORS EQUIP  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981578743

Contact: ENVIRONMENTAL MANAGER  
(808) 533-1731

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**X106**  
**ENE**  
**1/4-1/2**  
**2354 ft.**

**TAI HING CO., INC.**  
**1023 KAWAIAHAO ST**  
**HONOLULU, HI 96814**

**LUST**  
**UST**

**U001235253**  
**N/A**

**Site 2 of 3 in cluster X**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-100831

Release ID: 970062

Facility Status Date: 1997-09-26

Facility Status: Site Cleanup Completed

Project Officer: Ruiz

**Actual:**  
**3 ft.**

UST:

Facility ID: 9-100831

Tank ID: 001

Tank Status: Permanently Out of Use

Tank Capacity: 1000

Installed: 1976-04-05 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**TAI HING CO., INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Date Closed: 1997-03-18 00:00:00  
Owner: TAI HING CO., INC.  
1023 KAWAIAHAO ST  
Honolulu, HI 96814

Substance: Gasoline

**U001235253**

**Y107**  
**North**  
**1/4-1/2**  
**2378 ft.**

**BLAIR LTD**  
**404 A WARD AVE**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000261021**  
**HID009149287**

**Site 3 of 4 in cluster Y**

**Relative:**  
**Higher**

RCRAInfo:

Owner: BLAIR LTD.  
(415) 555-1212  
EPA ID: HID009149287

**Actual:**  
**3 ft.**

Contact: KAREN LEE  
(808) 536-4907

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**Y108**  
**NNE**  
**1/4-1/2**  
**2400 ft.**

**W H FIDDLER CO LTD**  
**611 COOKE ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000823309**  
**HID984469734**

**Site 4 of 4 in cluster Y**

**Relative:**  
**Higher**

RCRAInfo:

Owner: CORPORATION LTD  
(808) 522-0233  
EPA ID: HID984469734

**Actual:**  
**3 ft.**

Contact: WILLIAM FIDDLER  
(808) 522-0233

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AA109**  
**NNE**  
**1/4-1/2**  
**2453 ft.**

**J S AUTOMOTIVE**  
**762 QUEEN ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**  
**1004688931**  
**HID984470203**

**Relative:**  
**Higher**

**Site 1 of 4 in cluster AA**

RCRAInfo:

Owner: KATHERINE SHIROMA  
(808) 487-6500

**Actual:**  
**3 ft.**

EPA ID: HID984470203

Contact: LARRY MIYAMURA  
(808) 533-3551

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AB110**  
**NNE**  
**1/4-1/2**  
**2484 ft.**

**HAWAIIAN SECURITIES & REALTY, LTD**  
**819, 835 AND 841 KAWAIAHAO ST**  
**HONOLULU, HI 96813**

**UST**  
**U003402840**  
**N/A**

**Relative:**  
**Higher**

**Site 1 of 6 in cluster AB**

UST:

Facility ID: 9-103418

Tank ID: R-1

Tank Status: Permanently Out of Use

Tank Capacity: 260

Installed: Not reported

Date Closed: 1998-07-29 00:00:00

Substance: Gasoline

Owner: HAWAIIAN SECURITIES & REALTY, LTD  
1132 BISHOP ST, SUITE 1412  
Honolulu, HI 96813

**AB111**  
**NNE**  
**1/4-1/2**  
**2484 ft.**

**HAWAIIAN SECURITIES & REALTY, LTD**  
**819, 835 / 841 KAWAIAHAO ST**  
**HONOLULU, HI 96813**

**LUST**  
**S103455028**  
**N/A**

**Relative:**  
**Higher**

**Site 2 of 6 in cluster AB**

LUST:

Facility ID: 9-103418

Release ID: 980216

Facility Status Date: 1999-08-27

Facility Status: Site Cleanup Completed

Project Officer: Maniulit

**Actual:**  
**3 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AC112**  
**NE**  
**1/4-1/2**  
**2485 ft.**

**GM AUTOMOTIVE CENTER INC**  
**1918 B ALGARROBA ST**  
**HONOLULU, HI 96826**

**RCRA-SQG**  
**FINDS**

**1000160221**  
**HID981674591**

**Site 1 of 2 in cluster AC**

**Relative:**  
**Higher**

RCRAInfo:

Owner: GM AUTOMOTIVE  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981674591

Contact: MORRIS RYUSAKI  
(808) 942-4358

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AB113**  
**NNE**  
**1/4-1/2**  
**2502 ft.**

**AMERICAN LINEN WAREHOUSE**  
**837 KAWAIAHAO ST**  
**HONOLULU, HI**

**SHWS**  
**SPILLS**

**S106816215**  
**N/A**

**Site 3 of 6 in cluster AB**

**Relative:**  
**Higher**

SHWS:

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Unregulated UST  
Assignment Date : 2004-10-26 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : 2005-03-24 00:00:00  
End fill : 2005-03-24 00:00:00  
Result fill : No Further Action (NFA)-Cleanup Goals Achieved (Removal)  
Overall Status : SDAR NFA  
File Under : American Linen  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : 837 Kawaiahao Street  
Sitelist Name : 837 Kawaiahao Street

**HI SPILLS:**

Case Number: 19970312-0000  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1997-03-12 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : 2002-10-28 00:00:00  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Kawaiahao Street Leaking Heating Oil Tank  
Substances: Fuel Oil #5, Fuel Oil #6, Bunker C

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

AMERICAN LINEN WAREHOUSE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Incident : Kawaiahao Street Leaking Heating Oil Tank  
Initial : Tank removal, sampling and backfilling.  
Report : Tank removal, sampling and backfilling.

S106816215

AB114 STEINER CORPORATION  
NNE 837 KAWAIAHAO ST  
1/4-1/2 HONOLULU, HI 96813  
2502 ft.

UST U003154732  
N/A

Site 4 of 6 in cluster AB

Relative:  
Higher

UST:

Actual:  
3 ft.

Facility ID:	9-102940	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1963-06-15 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	STEINER CORPORATION 837 KAWAIAHAO ST Honolulu, HI 96813		

Z115 TIRE RECAP SERVICE  
North 526 KEAWE ST  
1/4-1/2 HONOLULU, HI 96813  
2507 ft.

LUST U003154623  
UST N/A

Site 2 of 2 in cluster Z

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID: 9-102758  
Release ID: 930108  
Facility Status Date: 1997-06-20  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

UST:

Facility ID:	9-102758	Tank ID:	R-D
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Not Listed
Owner:	AMELCO CORPORATION 2308 PAHOUNUI DR Honolulu, HI 96813		
Facility ID:	9-102758	Tank ID:	R-E
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Not Listed
Owner:	AMELCO CORPORATION 2308 PAHOUNUI DR Honolulu, HI 96813		
Facility ID:	9-102758	Tank ID:	R-F
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Not Listed
Owner:	AMELCO CORPORATION 2308 PAHOUNUI DR Honolulu, HI 96813		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AA116**  
**NNE**  
**1/4-1/2**  
**2526 ft.**

**RAYMOND S PAINTING CO INC**  
**738 QUEEN ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000301513**  
**HID981425317**

**Site 2 of 4 in cluster AA**

**Relative:**  
**Higher**

RCRAInfo:

Owner: RAYMOND K SHIMAMOTO  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981425317

Contact: ENVIRONMENTAL MANAGER  
(808) 545-2440

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AC117**  
**NE**  
**1/4-1/2**  
**2546 ft.**

**T W SYSTEMS**  
**955 WAIMANU ST**  
**HONOLULU, HI 96814**

**UST** **U001235631**  
**N/A**

**Site 2 of 2 in cluster AC**

**Relative:**  
**Higher**

UST:

Facility ID: 9-101936  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: Not reported  
Owner: T W SYSTEMS, LTD.  
955 WAIMANU ST  
Honolulu, HI 96814

Tank ID: R-001  
Installed: Not reported  
Substance: Not Listed

**X118**  
**ENE**  
**1/4-1/2**  
**2555 ft.**

**BALLOONS & THINGS**  
**993 WAIMANU STREET**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000290525**  
**HID981653421**

**Site 3 of 3 in cluster X**

**Relative:**  
**Higher**

RCRAInfo:

Owner: ASGARD GROUP LTD  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981653421

Contact: JEFF VRECHEK  
(808) 536-0281

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BALLOONS & THINGS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1000290525**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AD119  
NE  
1/4-1/2  
2594 ft.**

**ZIROLI CO  
905 WAIMANU ST  
HONOLULU, HI 96814**

**UST U001235916  
N/A**

**Relative:  
Higher**

**Site 1 of 10 in cluster AD**

**UST:**

**Actual:  
3 ft.**

Facility ID:	9-102449	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	Not reported
Date Closed:	1991-09-19 00:00:00	Substance:	Gasoline
Owner:	ZIROLI 905 WAIMANU ST Honolulu, HI 96814		

**AE120  
ESE  
1/4-1/2  
2602 ft.**

**IBM CORPORATION  
1240 ALA MOANA BLVD  
HONOLULU, HI 96814**

**UST U003790336  
N/A**

**Relative:  
Higher**

**Site 1 of 3 in cluster AE**

**UST:**

**Actual:  
3 ft.**

Facility ID:	9-103084	Tank ID:	M-1
Tank Status:	Currently In Use		
Tank Capacity:	550	Installed:	1985-07-01 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	IBM CORPORATION 1240 ALA MOANA BLVD Honolulu, HI 96814		

**AD121  
NE  
1/4-1/2  
2605 ft.**

**STANDARD PLUMBING, INC.  
894 WAIMANU ST  
HONOLULU, HI 96814**

**UST U001235464  
N/A**

**Relative:  
Higher**

**Site 2 of 10 in cluster AD**

**UST:**

**Actual:  
3 ft.**

Facility ID:	9-101382	Tank ID:	R-01
Tank Status:	Permanently Out of Use		
Tank Capacity:	500	Installed:	Not reported
Date Closed:	Not reported	Substance:	Gasoline
Owner:	STANDARD PLUMBING, INC. 902 KAWAIAHAO ST Honolulu, HI 96814		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AF122**  
**ENE**  
**1/4-1/2**  
**2614 ft.**

**COOL AS NEW HAWAII**  
**433 KAMAKEE ST**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1004688970**  
**HIR000040709**

**Relative:**  
**Higher**

**Site 1 of 6 in cluster AF**

RCRAInfo:

Owner: EARL HARBIN  
(808) 732-1674

EPA ID: HIR000040709

Contact: EARL HARBIN  
(808) 592-0457

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AG123**  
**NW**  
**1/4-1/2**  
**2616 ft.**

**HAWAII STATE OF**  
**607 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**FINDS**  
**RCRA-LQG**

**1000374717**  
**HID981613094**

**Relative:**  
**Higher**

**Site 1 of 4 in cluster AG**

RCRAInfo:

Owner: NOT REQUIRED  
(415) 555-1212

EPA ID: HID981613094

Contact: Not reported

Classification: Large Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AG124**  
**NW**  
**1/4-1/2**  
**2616 ft.**

**CONTRACTORS EQUIPMENT SERVICE CORP**  
**607 ALA MOANA BOULEVARD**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1006806654**  
**HIR000131136**

**Relative:**  
**Higher**

**Site 2 of 4 in cluster AG**

**Actual:**  
**3 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CONTRACTORS EQUIPMENT SERVICE CORP (Continued)

EDR ID Number  
EPA ID Number

1006806654

RCRAInfo:

Owner: OWNER

EPA ID: HIR000131136

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

AF125  
ENE  
1/4-1/2  
2628 ft.

HONOLULU LAUNDRY CO., LTD.  
438 KAMAKEE ST  
HONOLULU, HI 96814

LUST UST U001235228  
N/A

Site 2 of 6 in cluster AF

Relative:  
Higher

Actual:  
3 ft.

LUST:

Facility ID: 9-100786

Release ID: 930101

Facility Status Date: 1997-07-03

Facility Status: Site Cleanup Completed

Project Officer: Sadoyama

UST:

Facility ID: 9-100786

Tank Status: Permanently Out of Use

Tank Capacity: 550

Date Closed: 1990-09-30 00:00:00

Owner: HONOLULU LAUNDRY CO., LTD.  
438 KAMAKEE ST  
Honolulu, HI 96814

Tank ID: R-1

Installed: 1960-08-09 00:00:00

Substance: Gasoline

Facility ID: 9-100786

Tank Status: Permanently Out of Use

Tank Capacity: 3000

Date Closed: 1990-09-30 00:00:00

Owner: HONOLULU LAUNDRY CO., LTD.  
438 KAMAKEE ST  
Honolulu, HI 96814

Tank ID: R-2

Installed: 1960-08-09 00:00:00

Substance: Diesel

Facility ID: 9-100786

Tank Status: Permanently Out of Use

Tank Capacity: 3000

Date Closed: 1990-09-30 00:00:00

Owner: HONOLULU LAUNDRY CO., LTD.  
438 KAMAKEE ST  
Honolulu, HI 96814

Tank ID: R-3

Installed: 1960-08-09 00:00:00

Substance: Diesel

Facility ID: 9-100786

Tank Status: Permanently Out of Use

Tank Capacity: 550

Date Closed: 1990-09-30 00:00:00

Owner: HONOLULU LAUNDRY CO., LTD.  
438 KAMAKEE ST  
Honolulu, HI 96814

Tank ID: R-4

Installed: 1960-08-09 00:00:00

Substance: Other

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HONOLULU LAUNDRY CO., LTD. (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235228

Facility ID:	9-100786	Tank ID:	R-5
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1960-08-09 00:00:00
Date Closed:	1990-09-30 00:00:00	Substance:	Kerosene
Owner:	HONOLULU LAUNDRY CO., LTD. 438 KAMAKEE ST Honolulu, HI 96814		

AF126  
ENE  
1/4-1/2  
2630 ft.

**SELF STORAGE 1**  
**438 KAMAKEE ST**  
**HONOLULU, HI 96814**

**SHWS 1006819998**  
**FINDS 110013778769**  
**SPILLS**

**Site 3 of 6 in cluster AF**

**Relative:**  
**Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	Site Assessment
Assignment Date :	2004-06-09 00:00:00
Activity Lead :	Mark Sutterfield
Assignment End Date :	2004-08-26 00:00:00
End fill :	2004-08-26 00:00:00
Result fill :	No Further Action (NFA)-Unrestricted Use
Overall Status :	SDAR NFA
File Under :	Self Storage 1
Restricted Use Comm :	Not reported
IC Relied On In Remedy :	Not reported
Unit :	Honolulu Laundry
Sitelist Name :	Honolulu Laundry

**HI SPILLS:**

Case Number:	19981028-1300
Island:	Oahu
Numerical Quantity:	Not reported
Less Or Greater Than :	Not reported
Units :	Not reported
Activity Type :	Response
Assignment Date :	1998-10-28 00:00:00
Activity Lead :	Bill Perry
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	Self Storage 1 ( previously Volkswagon repair shop, Laundry Facility) 5 sand filled UST's onsite
Substances:	Oil/Hydraulic Fluid/Solvents
Incident :	New Owners discovered two 2" diameter steel (galvanized) pipes abandoned onsite with Oil and Hydraulic Fluid residuals. The pipes are full to the top and capacity unknown. The subsurface pipe ends/direction are unknown.
Initial :	A joint inspection by DOH, UST Section and HEER SOSC, of the site. Complete an initial assessment. The new owner will be issued a State Letter of Interest. PENCO Vac Truck on standby should an immediate response be required. Sampled stained soil by

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SELF STORAGE 1 (Continued)**

**1006819998**

Report : pipes.  
DOH, UST Reps and SOSC met with Mr Gray Horton. Observed two 2" steel  
(galvanized) pipes suspected to lead to two of five (abandoned) sand filled  
UST's . Stained soil sample obtained immediate to the pipes. Letter of interest  
issued, specific concern:  
ns: re

**AH127  
ENE  
1/4-1/2  
2633 ft.**

**GLOVER BUILDING  
1046 WAIMANU ST  
HONOLULU, HI 96814**

**SHWS S106817188  
SPILLS N/A**

**Site 1 of 7 in cluster AH**

**Relative:  
Higher**

**SHWS:**

**Actual:  
3 ft.**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : Melody Calisay  
Assignment End Date : 2004-06-10 00:00:00  
End fill : 2004-06-10 00:00:00  
Result fill : NFA by OSC  
Overall Status : SDAR NFA  
File Under : Jas. W. Glover, Ltd.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Glover Building  
Sitelist Name : Glover Building

**HI SPILLS:**

Case Number: 19950202  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Unknown  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Glover Building  
Substances: Hydraulic Oil  
Incident : During removal of 2 vehicle maintenance lifts, contractor advised of  
contaminated soil. Just purchased property for development and had Phase I  
assessment done. Later learned there was a UST removed from the property.  
hydraulic tank leaked staining soil with approx. 3 - 4 gallons on Friday  
10/21/94.  
Heavy smoke released from asphalt tanker.  
Initial : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.  
Report : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOVER BUILDING (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106817188**

Case Number: 19941024  
Island: Oahu  
Numerical Quantity: 3  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: 1046 Waimanu Street  
Substances: Hydraulic Oil  
Incident : During removal of 2 vehicle maintenance lifts, contractor advised of contaminated soil. Just purchased property for development and had Phase I assessment done. Later learned there was a UST removed from the property. hydraulic tank leaked staining soil with approx. 3 - 4 gallons on Friday 10/21/94.  
Heavy smoke released from asphalt tanker.  
Initial : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.  
Report : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.

Case Number: 20040606-0830  
Island: Oahu  
Numerical Quantity: 1  
Less Or Greater Than : Not reported  
Units : Drum (55)  
Activity Type : Response  
Assignment Date : 2004-06-06 00:00:00  
Activity Lead : Paul Chong  
Assignment End Date : 2004-06-10 00:00:00  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Glover Waimea Asphalt Plant  
Substances: Smoke  
Incident : During removal of 2 vehicle maintenance lifts, contractor advised of contaminated soil. Just purchased property for development and had Phase I assessment done. Later learned there was a UST removed from the property. hydraulic tank leaked staining soil with approx. 3 - 4 gallons on Friday 10/21/94.  
Heavy smoke released from asphalt tanker.  
Initial : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.  
Report : Responsible party to get consultant opinion on procedure.  
Land owner to clean up spill  
Hilo Hazmat was on scene had the contractor turn off the heating element.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

AH128  
ENE  
1/4-1/2  
2633 ft.

JAS W GLOVER LTD  
1046 WAIMAMU ST  
HONOLULU, HI 96814

RCRA-SQG  
FINDS  
LUST  
UST

1000135795  
HID981637861

Site 2 of 7 in cluster AH

Relative:  
Higher

RCRAInfo:

Owner: JAS W GLOVER  
(415) 555-1212

Actual:  
3 ft.

EPA ID: HID981637861

Contact: ENVIRONMENTAL MANAGER  
(808) 533-1777

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

HAWAII ENGINE CONTROL SYSTEM

HAWAII-UNDERGROUND STORAGE TANK

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

LUST:

Facility ID: 9-100835

Release ID: 020019

Facility Status Date: 2004-05-26

Facility Status: Site Cleanup Completed

Project Officer: Takaba

UST:

Facility ID: 9-100835

Tank ID: R-1

Tank Status: Permanently Out of Use

Tank Capacity: 600

Installed: 1937-03-07 00:00:00

Date Closed: 1990-11-12 00:00:00

Substance: Gasoline

Owner: JAS W. GLOVER, LTD  
725 KAPIOLANI BLVD, SUITE 306  
Honolulu, HI 96814

AD129  
NE  
1/4-1/2  
2639 ft.

ABL COMPUTER TECH INC  
875 WAIMANU ST  
HONOLULU, HI 96706

RCRA-SQG  
FINDS

1000108401  
HID981972318

Site 3 of 10 in cluster AD

Relative:  
Higher

RCRAInfo:

Owner: EMMANUEL PINEZ  
(415) 555-1212

Actual:  
3 ft.

EPA ID: HID981972318

Contact: ENVIRONMENTAL MANAGER  
(808) 533-1679

Classification: Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**ABL COMPUTER TECH INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1000108401**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AH130**  
**ENE**  
**1/2-1**  
**2661 ft.**

**SAN AUTO BODY AND PAINTING**  
**1058 WAIMANU ST**  
**HONOLULU, HI 96814**

**LUST** **S104241243**  
**N/A**

**Relative:**  
**Higher**

**Site 3 of 7 in cluster AH**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-103612  
Release ID: 000041  
Facility Status Date: 2000-02-10  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

**AH131**  
**ENE**  
**1/2-1**  
**2661 ft.**

**SAN AUTO BODY AND PAINTING**  
**1058 WAIMANU ST**  
**HONOLULU, HI 96814**

**UST** **U003711758**  
**N/A**

**Relative:**  
**Higher**

**Site 4 of 7 in cluster AH**

**UST:**

**Actual:**  
**3 ft.**

Facility ID:	9-103612	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	500	Substance:	Gasoline
Date Closed:	1999-11-20 00:00:00		
Owner:	SAN AUTO BODY AND PAINTING 1058 WAIMANU ST Honolulu, HI 96814		

**AI132**  
**North**  
**1/2-1**  
**2711 ft.**

**FINOVA HAWAIIAN HOLDINGS, LLC DBA LEX BRODIE TIRE**  
**701 S QUEEN ST**  
**HONOLULU, HI 96813**

**LUST** **U001235766**  
**UST** **N/A**

**Relative:**  
**Higher**

**Site 1 of 2 in cluster AI**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102200  
Release ID: 910036  
Facility Status Date: 2003-02-10  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID:	9-102200	Tank ID:	R-3
Tank Status:	Permanently Out of Use	Installed:	1968-03-06 00:00:00
Tank Capacity:	10000	Substance:	Gasoline
Date Closed:	1991-02-05 00:00:00		
Owner:	FINOVA HAWAIIAN HOLDINGS LLC 4800 N SCOTTSDALE ROAD, MS3W90 Honolulu, HI 96813		

Facility ID:	9-102200	Tank ID:	R-2
Tank Status:	Permanently Out of Use		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FINOVA HAWAIIAN HOLDINGS, LLC DBA LEX BRODIE TIRE (Continued)**

EDR ID Number  
EPA ID Number

**U001235766**

Tank Capacity: 5000  
Date Closed: 1991-02-05 00:00:00  
Owner: FINOVA HAWAIIAN HOLDINGS LLC  
4800 N SCOTTSDALE ROAD, MS3W90  
Honolulu, HI 96813  
Installed: 1964-03-06 00:00:00  
Substance: Gasoline

Facility ID: 9-102200  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: 1991-02-05 00:00:00  
Owner: FINOVA HAWAIIAN HOLDINGS LLC  
4800 N SCOTTSDALE ROAD, MS3W90  
Honolulu, HI 96813  
Tank ID: R-1  
Installed: 1964-03-06 00:00:00  
Substance: Gasoline

Facility ID: 9-102200  
Tank Status: Currently In Use  
Tank Capacity: 5000  
Date Closed: Not reported  
Owner: FINOVA HAWAIIAN HOLDINGS LLC  
4800 N SCOTTSDALE ROAD, MS3W90  
Honolulu, HI 96813  
Tank ID: 92  
Installed: 1991-03-01 00:00:00  
Substance: Gasoline

Facility ID: 9-102200  
Tank Status: Currently In Use  
Tank Capacity: 15000  
Date Closed: Not reported  
Owner: FINOVA HAWAIIAN HOLDINGS LLC  
4800 N SCOTTSDALE ROAD, MS3W90  
Honolulu, HI 96813  
Tank ID: 87  
Installed: 1991-03-01 00:00:00  
Substance: Gasoline

**AA133**  
**NNE**  
**1/2-1**  
**2745 ft.**

**SZYMANSKI PROPERTIES LLC**  
**757 KAWAIAHAO ST**  
**HONOLULU, HI 96813**

**LUST** **U003914035**  
**UST** **N/A**

**Site 3 of 4 in cluster AA**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-103765  
Release ID: 030043  
Facility Status Date: 2004-01-05  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**Actual:**  
**3 ft.**

UST:  
Facility ID: 9-103765  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: 2003-07-01 00:00:00  
Owner: VOYTEK SZYMANSKI PROPERTIES LLC  
757 KAWAIAHAO ST  
Honolulu, HI 96813  
Tank ID: R-2  
Installed: 1955-01-01 00:00:00  
Substance: Gasoline

Facility ID: 9-103765  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 2003-07-07 00:00:00  
Owner: VOYTEK SZYMANSKI PROPERTIES LLC  
757 KAWAIAHAO ST  
Honolulu, HI 96813  
Tank ID: R-1  
Installed: 1940-01-01 00:00:00  
Substance: Used Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AA134  
NNE  
1/2-1  
2745 ft.

**SZYMANSKI PROPERTIES LLC**  
**757 KAWAIAHAO ST**  
**HONOLULU, HI 96813**

**FINDS**  
**RCRA-LQG**

**1000252025**  
**HID981686744**

**Site 4 of 4 in cluster AA**

**Relative:**  
**Higher**

RCRAInfo:

Owner: CHARLES WONG  
(415) 555-1212

**Actual:**  
**3 ft.**

EPA ID: HID981686744

Contact: ENVIRONMENTAL MANAGER

Classification: Large Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

AG135  
NW  
1/2-1  
2752 ft.

**STEVEN S. NAGAMINE**  
**574 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**UST** **U001235277**  
**N/A**

**Site 3 of 4 in cluster AG**

**Relative:**  
**Higher**

UST:

Facility ID: 9-100885  
Tank Status: Permanently Out of Use  
Tank Capacity: 2050  
Date Closed: Not reported  
Owner: STEVEN S. NAGAMINE  
574 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-2  
Installed: 1946-05-06 00:00:00  
Substance: Gasoline

**Actual:**  
**3 ft.**

Facility ID: 9-100885  
Tank Status: Permanently Out of Use  
Tank Capacity: 3050  
Date Closed: Not reported  
Owner: STEVEN S. NAGAMINE  
574 ALA MOANA BLVD  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1946-05-06 00:00:00  
Substance: Gasoline

AG136  
NW  
1/2-1  
2752 ft.

**FLAMINGO ENTERPRISES, INC.**  
**574 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**UST** **U003541714**  
**N/A**

**Site 4 of 4 in cluster AG**

**Relative:**  
**Higher**

UST:

Facility ID: 9-100884  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: Not reported  
Owner: FLAMINGO ENTERPRISES, INC.  
1006 WAIMANU ST  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1946-05-06 00:00:00  
Substance: Diesel

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AB137**  
**NNE**  
**1/2-1**  
**2776 ft.**

**WAIMANU SASH AND DOOR LTD**  
**815 WAIMANU STREET**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**

**1000295861**  
**HID009152059**

**Site 5 of 6 in cluster AB**

**Relative:**  
**Higher**

RCRAInfo:

Owner: WAIMANU SASH & DOOR, LTD  
(415) 555-1212  
EPA ID: HID009152059  
Contact: ENVIRONMENTAL MANAGER  
(808) 533-3895

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 12/11/1990  
Actual Date Achieved Compliance: 02/26/1991

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 01/25/1991  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/12/1985  
Actual Date Achieved Compliance: 06/02/1986

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19910226
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19860602

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AB138**  
**NNE**  
**1/2-1**  
**2776 ft.**

**WAIMANU SASH & DOOR, LTD.**  
**815 WAIMANU ST**  
**HONOLULU, HI 96813**

**UST** **U003154470**  
**N/A**

**Site 6 of 6 in cluster AB**

**Relative:**  
**Higher**

UST:

Facility ID: 9-100361  
Tank Status: Permanently Out of Use  
Tank Capacity: 750  
Date Closed: 1995-01-09 00:00:00  
Owner: WAIMANU SASH & DOOR, LTD.  
815 WAIMANU ST  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1960-01-01 00:00:00  
Substance: Gasoline

**Actual:**  
**3 ft.**

Facility ID: 9-100361  
Tank Status: Permanently Out of Use  
Tank Capacity: 200  
Date Closed: 1995-01-01 00:00:00  
Owner: WAIMANU SASH & DOOR, LTD.

Tank ID: R-2  
Installed: Not reported  
Substance: Not Listed

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

WAIMANU SASH & DOOR, LTD. (Continued)

EDR ID Number  
EPA ID Number

Database(s)

815 WAIMANU ST  
Honolulu, HI 96813

U003154470

139  
North  
1/2-1  
2791 ft.

GENSIRO KAWAMOTO  
630 KEAWE ST  
HONOLULU, HI 96800

LUST U003154744  
UST N/A

Relative:  
Higher

LUST:

Facility ID: 9-102965  
Release ID: 940173  
Facility Status Date: 1994-07-25  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Westerman

Actual:  
3 ft.

UST:

Facility ID:	9-102965	Tank ID:	3
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	550	Substance:	Used Oil
Date Closed:	1994-08-01 00:00:00		
Owner:	GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR Honolulu, HI 96800		
Facility ID:	9-102965	Tank ID:	2
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	2000	Substance:	Gasoline
Date Closed:	1994-08-01 00:00:00		
Owner:	GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR Honolulu, HI 96800		
Facility ID:	9-102965	Tank ID:	1
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	4000	Substance:	Diesel
Date Closed:	1994-08-01 00:00:00		
Owner:	GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR Honolulu, HI 96800		

AF140  
ENE  
1/2-1  
2802 ft.

HONOLULU HAWAII AUTO REPAIR  
1111 WAIMANU ST  
HONOLULU, HI 96814

LUST U003154714  
UST N/A

Site 4 of 6 in cluster AF

Relative:  
Higher

LUST:

Facility ID: 9-102914  
Release ID: 940114  
Facility Status Date: 1995-10-24  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

Actual:  
3 ft.

UST:

Facility ID:	9-102914	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	4000	Substance:	Diesel
Date Closed:	1994-04-09 00:00:00		
Owner:	KENNETH S. OYADOMAR, TRUSTEE		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HONOLULU HAWAII AUTO REPAIR (Continued)**

EDR ID Number  
EPA ID Number

**U003154714**

C/O TOMA CONTRACTING / 1111 WAIMANU ST  
Honolulu, HI 96814

Facility ID:	9-102914	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1994-04-09 00:00:00	Substance:	Used Oil
Owner:	KENNETH S. OYADOMAR, TRUSTEE		
	C/O TOMA CONTRACTING / 1111 WAIMANU ST		
	Honolulu, HI 96814		

**AJ141**  
**NE**  
**1/2-1**  
**2802 ft.**

**SYMPHONY PARK**  
**KAPIOLANI BLVD & WARD AVE**  
**HONOLULU, HI 96807**

**RCRA-SQG**  
**FINDS**  
**1000906757**  
**HI0000565770**

**Site 1 of 2 in cluster AJ**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: MYERS DAIICHI MIDTOWN PARTNERS  
(808) 521-9400  
EPA ID: HI0000565770  
Contact: CHARLES PEARSON  
(808) 521-9400

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AJ142**  
**NE**  
**1/2-1**  
**2802 ft.**

**SYMPHONY PARK**  
**WARD AVE & KAPIOLANI BLVD**  
**HONOLULU, HI 96807**

**CERC-NFRAP**  
**1003879625**  
**HID984467654**

**Site 2 of 2 in cluster AJ**

**Relative:**  
**Higher**

CERCLIS-NFRAP Classification Data:  
Federal Facility: Not a Federal Facility  
Non NPL Code: NFRAP  
NPL Status: Not on the NPL

**Actual:**  
**3 ft.**

**CERCLIS-NFRAP Assessment History:**

Assessment:	DISCOVERY	Completed:	12/31/1991
Assessment:	PRELIMINARY ASSESSMENT	Completed:	01/11/1993
Assessment:	SITE INSPECTION	Completed:	09/27/1995
Assessment:	ARCHIVE SITE	Completed:	01/23/1996



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
<b>AE143</b> <b>ESE</b> <b>1/2-1</b> <b>2817 ft.</b>	<b>7-11 ALA MOANA</b> <b>1260 ALA MOANA BLVD</b> <b>HONOLULU, HI 96814</b>  <b>Site 2 of 3 in cluster AE</b>	<b>UST</b>	<b>U003402817</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	UST:		
<b>Actual:</b> <b>3 ft.</b>	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 5000 Date Closed: 1998-01-07 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-3  Installed: 1956-07-18 00:00:00 Substance: Gasoline	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 10000 Date Closed: 2003-10-01 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-92  Installed: 1998-05-01 00:00:00 Substance: Gasoline	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 3000 Date Closed: 1998-01-07 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-2  Installed: 1956-07-18 00:00:00 Substance: Gasoline	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 10000 Date Closed: 2003-10-01 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-87  Installed: 1998-05-01 00:00:00 Substance: Gasoline	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 550 Date Closed: 1998-01-07 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-5  Installed: 1956-07-18 00:00:00 Substance: Used Oil	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 3000 Date Closed: 1998-01-07 00:00:00 Owner: ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814	Tank ID: R-1  Installed: 1956-07-18 00:00:00 Substance: Gasoline	
	Facility ID: 9-101115 Tank Status: Permanently Out of Use Tank Capacity: 2000 Date Closed: 1998-01-07 00:00:00	Tank ID: R-4  Installed: 1956-07-18 00:00:00 Substance: Gasoline	

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

7-11 ALA MOANA (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003402817

Owner: ALOHA PETROLEUM, LTD.  
1132 BISHOP STREET, SUITE 1700  
Honolulu, HI 96814

AE144  
ESE  
1/2-1  
2817 ft.

7-11 ALA MOANA  
1260 ALA MOANA BLVD  
HONOLULU, HI 96814

LUST S103455152  
N/A

Site 3 of 3 in cluster AE

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID: 9-101115  
Release ID: 980031  
Facility Status Date: 1999-04-01  
Facility Status: Site Cleanup Completed  
Project Officer: Sutterfield

Facility ID: 9-101115  
Release ID: 040001  
Facility Status Date: 2005-03-02  
Facility Status: NFA Issued - Post Remediation Monitoring  
Project Officer: Li

AD145  
NE  
1/2-1  
2833 ft.

SYMPHONY PARK  
850 KAPIOLANI BLVD  
HONOLULU, HI 96807

SHWS S107022567  
N/A

Site 4 of 10 in cluster AD

Relative:  
Higher

SHWS:

Actual:  
3 ft.

Supplement : Intersection with Ward Avenue  
Restricted Use : Not reported  
Fed Id : HID984467654  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2005-04-13 00:00:00  
Activity Lead : Eric Sadoyama  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Symphony Park (Myers Corporation)  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Symphony Park  
Sitelist Name : Symphony Park

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
<b>AH146</b> <b>ENE</b> <b>1/2-1</b> <b>2844 ft.</b>	<b>1011 KAPIOLANI BLVD</b> <b>1011 KAPIOLANI BLVDTMK 2-3-003 PARCEL 88</b> <b>HONOLULU, HI 96814</b>  <b>Site 5 of 7 in cluster AH</b>	<b>UST</b>	<b>U003858601</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	UST: Facility ID: 9-103743 Tank Status: Currently In Use Tank Capacity: 300 Date Closed: Not reported Owner: UNDETERMINED AT THIS TIME Address Unknown Honolulu, HI 96814	Tank ID: 1  Installed: Not reported Substance: Not Listed	
<b>Actual:</b> <b>3 ft.</b>			
<b>AH147</b> <b>ENE</b> <b>1/2-1</b> <b>2849 ft.</b>	<b>HDC PROPERTIES, STAINED SOILS</b> <b>1015 KAPIOLANI BLVD</b> <b>HONOLULU, HI 96813</b>  <b>Site 6 of 7 in cluster AH</b>	<b>SHWS</b> <b>FINDS</b> <b>SPILLS</b> <b>INST CONTROL</b>	<b>1006821118</b> <b>110013791655</b>
<b>Relative:</b> <b>Higher</b>	FINDS: Other Pertinent Environmental Activity Identified at Site: HAWAII ENGINE CONTROL SYSTEM		
<b>Actual:</b> <b>3 ft.</b>	SHWS: Supplement : Kapiolani (Makai), between Ward Ave & Kamakee St Restricted Use : This site is available for unrestricted use. Fed Id : Not reported Funding : Not reported Agreement/program : State Site Activity Type : Screening Assignment Date : 2004-05-20 00:00:00 Activity Lead : Steve Mow Assignment End Date : 2004-08-23 00:00:00 End fill : 2004-08-23 00:00:00 Result fill : Screening NFA-Unrestricted Use Overall Status : SDAR NFA File Under : Honolulu Design Center, LLC Restricted Use Comm : Not reported IC Relied On In Remedy : Not reported Unit : HDC Properties Stained Soils Sitelist Name : HDC Properties Stained Soils		
	HI INSTUTIONAL CONTROL: Facility Addr 2: Not reported File Under: Honolulu Design Center, LLC Restricted Use: This site is available for unrestricted use. Comments on Restricted Use: Not reported IC Relied on in Remedy: Not reported		
	HI SPILLS: Case Number: 20020124-0904 Island: Oahu Numerical Quantity: Not reported Less Or Greater Than : Not reported Units : Not reported Activity Type : Response Assignment Date : 2002-01-24 00:00:00 Activity Lead : Terry Corpus Assignment End Date : Not reported Result : 8		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HDC PROPERTIES, STAINED SOILS (Continued)**

EDR ID Number  
EPA ID Number

**1006821118**

Supplemental Loc. Text: Kapiolani (Makai), between Ward Ave & Kamakee St  
Unit: HDC Properties, stained soils  
Substances: Not reported  
Incident : Construction of property found stained soils. Analysis on soil samples found trace amounts of TPH (Tier 1). Source is unknown. Property Owner is HDC Properties.  
Initial : Plans for exploration holes being developed.  
Report : Plans for exploration holes being developed.

**AD148**  
**NE**  
**1/2-1**  
**2852 ft.**

**SHELLY MOTORS INC.**  
**830 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**LUST** **U001235600**  
**UST** **N/A**

**Site 5 of 10 in cluster AD**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-101826  
Release ID: 930013  
Facility Status Date: 2003-10-06  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

**Actual:**  
**3 ft.**

UST:  
Facility ID: 9-101826 Tank ID: R-8  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported Installed: Not reported  
Date Closed: 1992-05-30 00:00:00 Substance: Not Listed  
Owner: SHELLY MOTORS INC.  
2969 MAPUNAPUNA PL  
Honolulu, HI 96813  
  
Facility ID: 9-101826 Tank ID: R-6  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported Installed: Not reported  
Date Closed: 1992-05-30 00:00:00 Substance: Not Listed  
Owner: SHELLY MOTORS INC.  
2969 MAPUNAPUNA PL  
Honolulu, HI 96813

**AD149**  
**NE**  
**1/2-1**  
**2854 ft.**

**KAPIOLANI X CHAPIN**  
**KAPIOLANI BLVD X CHAPIN ST**  
**HONOLULU, HI 96813**

**LUST** **S102688194**  
**UST** **N/A**

**Site 6 of 10 in cluster AD**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-102179  
Release ID: 900078  
Facility Status Date: 2002-07-10  
Facility Status: Disconfirmed Release  
Project Officer: Ruiz

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

AD150  
NE  
1/2-1  
2855 ft.

CHUEI SHOKOH, INC.  
825 KAPIOLANI BLVD  
HONOLULU, HI 96813

SHWS  
FINDS  
SPILLS  
VCP  
INST CONTROL

1006820040  
110013779269

Relative:  
Higher

Site 7 of 10 in cluster AD

Actual:  
3 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

SHWS:

Supplement : Not reported  
Restricted Use : This site is available for unrestricted use.  
Fed Id : Not reported  
Funding : ERRF-VRP  
Agreement/program : VRP  
Activity Type : O&M  
Assignment Date : 2003-07-03 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Chuei Shokoh, Inc.  
Restricted Use Comm : The site is available for unrestricted use with the removal of subsurface contamination..  
  
Ic Relied On In Remedy : No institutional controls.  
Unit : Chuei Shokoh, Inc. 825 Kapiolani Blvd.  
Sitelist Name : Chuei Shokoh, Inc. 825 Kapiolani Blvd.

HI INSTUTIONAL CONTROL:

Facility Addr 2: Not reported  
File Under: Chuei Shokoh, Inc.  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with the removal of subsurface contamination..  
  
IC Relied on in Remedy: No institutional controls.

HI SPILLS:

Case Number: 19981207-1525  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1998-12-07 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Former Auto Body Shop and UST  
Substances: Diesel Fuel  
Incident : Phase I conducted on site. Former auto body shop and underground storage tanks located. Petroleum contaminated soils and and groundwater on site.  
  
Initial : Referral to the ISST  
Report : Report to be submitted to the Office. 12/11/98: Report received from Belt Collins (Nancy Convard). Analytical results: Soil: up to 10,240 ppm for TPH-g; 6,343 ppm for TPH-d; groundwater: 0.0071 ppm lead.

VCP:

Island: Oahu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHUEI SHOKOH, INC. (Continued)**

**1006820040**

Supplemental Location Text: Not reported  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with the removal of subsurface contamination..  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 2000-09-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: Remedial  
Assignment Date: 2002-10-01 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: 2003-07-03 00:00:00  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: RAM  
Date of Document: 2002-11-22 00:00:00

Island: Oahu  
Supplemental Location Text: Not reported  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with the removal of subsurface contamination..  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 2000-09-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: O&M  
Assignment Date: 2003-07-03 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: Not reported  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: RAM  
Date of Document: 2002-11-22 00:00:00

Island: Oahu  
Supplemental Location Text: Not reported  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with the removal of subsurface contamination..  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 2000-09-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: Remedial  
Assignment Date: 2002-10-01 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: 2003-07-03 00:00:00  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: VRP Agreement



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHUEI SHOKOH, INC. (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006820040

Date of Document: 2000-07-30 00:00:00

Island: Oahu  
Supplemental Location Text: Not reported  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with the removal of subsurface contamination..  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 2000-09-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: O&M  
Assignment Date: 2003-07-03 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: Not reported  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: VRP Agreement  
Date of Document: 2000-07-30 00:00:00

AD151  
NE  
1/2-1  
2855 ft.

FORMER "HOTEL - YOUNG LAUNDRY"  
825 KAPIOLANI BLVD  
HONOLULU, HI 96814

UST U003402860  
N/A

Site 8 of 10 in cluster AD

Relative:  
Higher

Actual:  
3 ft.

UST:

Facility ID:	9-103487	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1998-12-17 00:00:00	Substance:	Heating Oil
Owner:	CHUEI SOKOH, INC McCORRISTON MIHO MILLER MUKAI500 ALA MOANA BLVD, 4TH FLOOR Honolulu, HI 96814		
Facility ID:	9-103487	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1998-12-18 00:00:00	Substance:	Heating Oil
Owner:	CHUEI SOKOH, INC McCORRISTON MIHO MILLER MUKAI500 ALA MOANA BLVD, 4TH FLOOR Honolulu, HI 96814		
Facility ID:	9-103487	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	830	Installed:	Not reported
Date Closed:	1998-12-22 00:00:00	Substance:	Other
Owner:	CHUEI SOKOH, INC McCORRISTON MIHO MILLER MUKAI500 ALA MOANA BLVD, 4TH FLOOR Honolulu, HI 96814		
Facility ID:	9-103487	Tank ID:	R-5
Tank Status:	Permanently Out of Use		
Tank Capacity:	1500	Installed:	Not reported
Date Closed:	1998-12-22 00:00:00	Substance:	Unknown
Owner:	CHUEI SOKOH, INC McCORRISTON MIHO MILLER MUKAI500 ALA MOANA BLVD, 4TH FLOOR		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FORMER "HOTEL - YOUNG LAUNDRY" (Continued)**

EDR ID Number  
EPA ID Number

Honolulu, HI 96814

**U003402860**

**AD152**  
**NE**  
**1/2-1**  
**2855 ft.**

**FORMER "HOTEL - YOUNG LAUNDRY"**  
**825 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**LUST** **S103455090**  
**N/A**

**Site 9 of 10 in cluster AD**

**Relative:**  
**Higher**

**LUST:**

Facility ID: 9-103487  
Release ID: 990100  
Facility Status Date: 1999-09-22  
Facility Status: Case Transferred to HEER  
Project Officer: HEER

**Actual:**  
**3 ft.**

**AI153**  
**North**  
**1/2-1**  
**2856 ft.**

**POHULANI ELDERLY PROJECT**  
**677 QUEEN ST**  
**HONOLULU, HI 96813**

**LUST** **U001235471**  
**UST** **N/A**

**Site 2 of 2 in cluster AI**

**Relative:**  
**Higher**

**LUST:**

Facility ID: 9-101396  
Release ID: 910006  
Facility Status Date: 1999-08-24  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

**Actual:**  
**3 ft.**

**UST:**

Facility ID: 9-101396 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported  
Date Closed: 1991-06-08 00:00:00 Substance: Not Listed  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Facility ID: 9-101396 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported  
Date Closed: 1991-04-16 00:00:00 Substance: Not Listed  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Facility ID: 9-101396 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 500 Installed: Not reported  
Date Closed: 1990-11-20 00:00:00 Substance: Diesel  
Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96813

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AD154**  
**NE**  
**1/2-1**  
**2879 ft.**

**HECO SOIL CONTAMINATION CHAPIN LANE AND KAPIOLANI**  
**CHAPIN LN / KAPIOLANI BLVD**  
**HONOLULU, HI**

**SHWS** **S106817445**  
**N/A**

**Site 10 of 10 in cluster AD**

**Relative:**  
**Higher**

SHWS:

**Actual:**  
**3 ft.**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : ISST  
Assignment Date : 2002-01-31 00:00:00  
Activity Lead : Richard Palmer  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Hawaiian Electric Co., Inc. (HECO)  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Kapiolani Blvd. and Chapin Ln. Soil Contamination  
Sitelist Name : Kapiolani Blvd. and Chapin Ln. Soil Contamination

**AF155**  
**ENE**  
**1/2-1**  
**2905 ft.**

**GASCO INC**  
**515 KAMAEE ST**  
**HONOLULU, HI 96814**

**RCRA-SQG** **1004688811**  
**FINDS** **HID981665664**

**Site 5 of 6 in cluster AF**

**Relative:**  
**Higher**

RCRAInfo:

**Actual:**  
**3 ft.**

Owner: PACIFIC RESOURCE INC  
(415) 555-1212  
EPA ID: HID981665664  
Contact: DANIEL SHIMOMURA  
(808) 547-3570  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AF156**  
**ENE**  
**1/2-1**  
**2905 ft.**

**GASCO, INC.**  
**515 KAMAEE ST**  
**HONOLULU, HI 96814**

**LUST** **U001235293**  
**UST** **N/A**

**Site 6 of 6 in cluster AF**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-100917  
Release ID: 950004  
Facility Status Date: 1995-10-25  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GASCO, INC. (Continued)**

EDR ID Number  
EPA ID Number

**U001235293**

UST:

Facility ID: 9-100917  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1994-10-13 00:00:00  
Owner: THE GAS COMPANY  
P.O. BOX 3379  
Honolulu, HI 96814

Tank ID: R-1  
Installed: 1977-03-24 00:00:00  
Substance: Gasoline

Facility ID: 9-100917  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1994-10-13 00:00:00  
Owner: THE GAS COMPANY  
P.O. BOX 3379  
Honolulu, HI 96814

Tank ID: R-3  
Installed: 1966-03-24 00:00:00  
Substance: Gasoline

**AK157**  
**East**  
**1/2-1**  
**2909 ft.**

**NAURU PHOSPHATE ROYALTIES DEVEL**  
**1137 WAIMANU ST**  
**HONOLULU, HI 96800**

**UST** **U003154495**  
**N/A**

**Site 1 of 3 in cluster AK**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID: 9-101043  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Date Closed: 1993-05-17 00:00:00  
Owner: NAURU PHOSPHATE ROYALTIES DEVELOPMENT  
1330 ALA MOANA BLVD, SUITE 301  
Honolulu, HI 96800

Tank ID: R-3  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-101043  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000  
Date Closed: 1993-05-17 00:00:00  
Owner: NAURU PHOSPHATE ROYALTIES DEVELOPMENT  
1330 ALA MOANA BLVD, SUITE 301  
Honolulu, HI 96800

Tank ID: R-2  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-101043  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1993-05-17 00:00:00  
Owner: NAURU PHOSPHATE ROYALTIES DEVELOPMENT  
1330 ALA MOANA BLVD, SUITE 301  
Honolulu, HI 96800

Tank ID: R-1  
Installed: Not reported  
Substance: Diesel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AH158**  
**ENE**  
**1/2-1**  
**2918 ft.**

**CONSOLIDATED ENVIRONMENTAL INC**  
**1232 WAIMANU ST STE E 1**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000473214**  
**HID982434771**

**Site 7 of 7 in cluster AH**

**Relative:**  
**Higher**

RCRAInfo:

Owner: CONSOLIDATED ENVIRONMENTAL INC  
(415) 555-1212

EPA ID: HID982434771

Contact: ENVIRONMENTAL MANAGER  
(808) 599-4991

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**Actual:**  
**3 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AK159**  
**East**  
**1/2-1**  
**2927 ft.**

**RESERVE HOUSING TOWER SOIL CONTAMINATION**  
**1141 WAIMANU ST**  
**HONOLULU, HI 96813**

**SHWS**  
**FINDS**  
**SPILLS**

**1006819959**  
**110013778322**

**Site 2 of 3 in cluster AK**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	Not reported
Agreement/program :	Not reported
Activity Type :	ISST
Assignment Date :	1995-10-24 00:00:00
Activity Lead :	Unknown
Assignment End Date :	1995-10-25 00:00:00
End fill :	1995-10-25 00:00:00
Result fill :	NFA
Overall Status :	SDAR NFA
File Under :	Reserve Housing Tower
Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	Not reported
Unit :	Reserve Housing Tower Soil Contamination
Sitelist Name :	Reserve Housing Tower Soil Contamination

**HI SPILLS:**

Case Number:	19951025-2
Island:	Oahu
Numerical Quantity:	Not reported
Less Or Greater Than :	Not reported
Units :	Not reported
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Bill Perry
Assignment End Date :	Not reported
Result :	8

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

RESERVE HOUSING TOWER SOIL CONTAMINATION (Continued)

EDR ID Number  
EPA ID Number

1006819959

Supplemental Loc. Text: Not reported  
Unit: Reserve Housing Tower  
Substances: oil/stained soil  
Incident : Rest Environmental contracted to treat oil contaminated soil prior to construction of the reserve housing tower, by Waldron Venturals. Reported July 24, 1995 with remediation report.  
Initial : Rust Environmental/soil washing/case review/soil contaminated on-site after over extraction. Created slurry container (soil washed) diesel to below DOH interim cleanup goals. Technology was effective and acceptable.  
Report : Rust Environmental/soil washing/case review/soil contaminated on-site after over extraction. Created slurry container (soil washed) diesel to below DOH interim cleanup goals. Technology was effective and acceptable.

AL160  
NNE  
1/2-1  
2955 ft.

BMW OF HONOLULU  
777 KAPIOLANI BLVD  
HONOLULU, HI

SHWS  
SPILLS  
INST CONTROL

S106816569  
N/A

Site 1 of 3 in cluster AL

Relative:  
Higher

Actual:  
3 ft.

SHWS:

Supplement : Not reported  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : Not reported  
Activity Type : ISST  
Assignment Date : 2000-06-06 00:00:00  
Activity Lead : Amy Playdon  
Assignment End Date : 2001-01-22 00:00:00  
End fill : 2001-01-22 00:00:00  
Result fill : NFA  
Overall Status : SDAR NFA  
File Under : BMW of Honolulu  
Restricted Use Comm : Additional investigation & remediation may be necessary if future demolition or excavation is conducted on site (1/24/01 HEER letter 01-031-AP).  
Ic Relied On In Remedy : Not reported  
Unit : BMW Dealership  
Sitelist Name : BMW Dealership

HI INSTUTIONAL CONTROL:

Facility Addr 2: Not reported  
File Under: BMW of Honolulu  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: Additional investigation & remediation may be necessary if future demolition or excavation is conducted on site (1/24/01 HEER letter 01-031-AP).  
IC Relied on in Remedy: Not reported

HI SPILLS:

Case Number: 19990401-1450  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1999-04-01 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Free Petroleum Product Found at 777 Kapiolani Blvd.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BMW OF HONOLULU (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106816569**

Substances: Petroleum product  
Incident : Loc: inside building scheduled for renovation; found free petroleum product in groundwater at 5.5 ft. below ground surface on 3/24/99.  
Initial : The contractor applied sorbent materials to absorb the free product (see written notification).  
Report : Referred to ISST.

**AL161  
NNE  
1/2-1  
2955 ft.**

**CHUEI SHOKO  
777 KAPIOLANI BLVD  
HONOLULU, HI 96815**

**LUST S103872811  
N/A**

**Site 2 of 3 in cluster AL**

**Relative:  
Higher**

LUST:  
Facility ID: 9-103508  
Release ID: 990143  
Facility Status Date: 1999-08-11  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**Actual:  
3 ft.**

**162  
ESE  
1/2-1  
2979 ft.**

**GLOBAL ENVIRONMENTAL SVCS GROUP LLC  
1824 B KAHAI ST  
HONOLULU, HI 96819**

**PADS 1001086557  
RCRA-SQG HIR000000562  
FINDS**

**Relative:  
Higher**

RCRAInfo:  
Owner: DEENA T TAGUCHI  
(808) 843-0400  
EPA ID: HIR000000562  
Contact: ALVIN MATSUSHIMA  
(808) 843-0400  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

**Actual:  
3 ft.**

Violation Status: Violations exist

Regulation Violated: 263  
Area of Violation: TRANSPORTER-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 01/08/2001  
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/28/2001  
Penalty Type: Not reported

Regulation Violated: 279.40-47  
Area of Violation: 09UOT  
Date Violation Determined: 01/08/2001  
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/28/2001  
Penalty Type: Not reported

**Penalty Summary:**

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	2/11/2003	22500	STATE

There are 2 violation record(s) reported at this site:

Evaluation

Area of Violation

Date of  
Compliance

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBAL ENVIRONMENTAL SVCS GROUP LLC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Compliance Evaluation Inspection      TRANSPORTER-ALL REQUIREMENTS (OVERSIGHT)  
09UOT

**1001086557**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AM163**  
**North**  
**1/2-1**  
**2985 ft.**

**AMELCO CORPORATION**  
**645 HALEKAUWILA STREET**  
**HONOLULU, HI 96813**

**CERC-NFRAP**    **1003879447**  
**HID984466383**

**Site 1 of 9 in cluster AM**

**Relative:**  
**Higher**

**CERCLIS-NFRAP Classification Data:**

**Actual:**  
**3 ft.**

Federal Facility:    Not a Federal Facility  
Non NPL Code:      NFRAP  
NPL Status:        Not on the NPL  
**CERCLIS-NFRAP Assessment History:**  
Assessment:        DISCOVERY  
Assessment:        PRELIMINARY ASSESSMENT  
Assessment:        ARCHIVE SITE

Completed:    10/09/1990  
Completed:    11/05/1991  
Completed:    11/05/1991

**AM164**  
**North**  
**1/2-1**  
**2985 ft.**

**AMELCO CORPORATION**  
**645 HALEKAUWILA ST**  
**HONOLULU, HI 96813**

**SHWS**    **1006820316**  
**FINDS**    **110013782567**

**Site 2 of 9 in cluster AM**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**

Supplement :                      Not reported  
Restricted Use :                   Not reported  
Fed Id :                            HID984466383  
Funding :                         ERRF  
Agreement/program :            State Site  
Activity Type :                   Remedial  
Assignment Date :               2003-10-13 00:00:00  
Activity Lead :                   Steve Mow  
Assignment End Date :           2005-04-25 00:00:00  
End fill :                         2005-04-25 00:00:00  
Result fill :                      Referred to SHWB  
Overall Status :                 SDAR NFA  
File Under :                      AMELCO Corporation  
Restricted Use Comm :           Not reported  
Ic Relied On In Remedy :       Not reported  
Unit :                              Amelco Corporation  
Sitelist Name :                   Amelco Corporation

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AK165**  
**East**  
**1/2-1**  
**2995 ft.**

**BOB CISCO**  
**1152 WAIMANU ST**  
**HONOLULU, HI 96814**

**LUST**  
**UST**  
**U001235917**  
**N/A**

**Site 3 of 3 in cluster AK**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102450  
Release ID: 920070  
Facility Status Date: 2000-04-20  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

**UST:**

Facility ID: 9-102450  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: 1992-02-05 00:00:00  
Owner: ROBERT CISCO & AMERICAN TRUST CO. OF HAWAII, INC.  
TRUSTEES OF LORNA AWAI BURGER TRUST / 380-A KAWAIHAE ST  
Honolulu, HI 96814

Tank ID: R-1

Installed: 1946-12-30 00:00:00

Substance: Gasoline

**AL166**  
**NNE**  
**1/2-1**  
**2997 ft.**

**CHUEI SHOKO**  
**777 KAPIOLANI BLVD**  
**HONOLULU, HI 96815**

**UST**  
**U003402867**  
**N/A**

**Site 3 of 3 in cluster AL**

**Relative:**  
**Higher**

**UST:**

**Actual:**  
**3 ft.**

Facility ID: 9-103508  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: Not reported  
Owner: SHELTON INVESTMENTS  
1075 S BERETANIA ST.  
Honolulu, HI 96815

Tank ID: R-1

Installed: Not reported

Substance: Gasoline

Facility ID: 9-103508  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: Not reported  
Owner: SHELTON INVESTMENTS  
1075 S BERETANIA ST.  
Honolulu, HI 96815

Tank ID: R-4

Installed: Not reported

Substance: Gasoline

Facility ID: 9-103508  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: Not reported  
Owner: SHELTON INVESTMENTS  
1075 S BERETANIA ST.  
Honolulu, HI 96815

Tank ID: R-3

Installed: Not reported

Substance: Gasoline

Facility ID: 9-103508  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: Not reported  
Owner: SHELTON INVESTMENTS  
1075 S BERETANIA ST.  
Honolulu, HI 96815

Tank ID: R-2

Installed: Not reported

Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AN167  
ENE  
1/2-1  
3007 ft.

KODAK BUILDING  
1065 KAPIOLANI BLVD  
HONOLULU, HI 96814

UST

U003711756  
N/A

Relative:  
Higher

Site 1 of 3 in cluster AN

UST:

Actual:  
3 ft.

Facility ID: 9-103609  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: 1999-11-20 00:00:00  
Owner: ILC INTERNATIONAL  
1585 KAPIOLANI BLVD  
Honolulu, HI 96814

Tank ID: R-1  
Installed: Not reported  
Substance: Not Listed

AN168  
ENE  
1/2-1  
3007 ft.

QUALEX INC  
1065 KAPIOLANI BLVD  
HONOLULU, HI 96807

RCRA-SQG  
FINDS

1000147161  
HID077672889

Relative:  
Higher

Site 2 of 3 in cluster AN

RCRAInfo:

Actual:  
3 ft.

Owner: QUALEX INC  
(415) 555-1212  
EPA ID: HID077672889  
Contact: ENVIRONMENTAL MANAGER  
(808) 531-6565  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

AN169  
ENE  
1/2-1  
3007 ft.

KODAK BUILDING  
1065 KAPIOLANI BLVD  
HONOLULU, HI 96814

LUST

S104241242  
N/A

Relative:  
Higher

Site 3 of 3 in cluster AN

LUST:

Actual:  
3 ft.

Facility ID: 9-103609  
Release ID: 000044  
Facility Status Date: 2000-02-10  
Facility Status: Site Cleanup Completed  
Project Officer: Li

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM170**  
**North**  
**1/2-1**  
**3018 ft.**

**INTERNATIONAL LIFE SUPPORT**  
**633 HALEKAUWILA ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**  
**U003154624**  
**N/A**

**Site 3 of 9 in cluster AM**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102759  
Release ID: 930109  
Facility Status Date: 1997-06-20  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

**UST:**

Facility ID: 9-102759  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1990-06-30 00:00:00  
Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-B  
Installed: Not reported  
Substance: Not Listed

Facility ID: 9-102759  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1990-06-30 00:00:00  
Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-A  
Installed: Not reported  
Substance: Gasoline

Facility ID: 9-102759  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1990-06-30 00:00:00  
Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-C  
Installed: Not reported  
Substance: Not Listed

**AM171**  
**NNW**  
**1/2-1**  
**3022 ft.**

**EUROCARE/KEICO PACIFIC/SHONS AUT**  
**545 SOUTH ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**  
**U003154625**  
**N/A**

**Site 4 of 9 in cluster AM**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102760  
Release ID: 930110  
Facility Status Date: 1997-06-20  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

**UST:**

Facility ID: 9-102760  
Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Date Closed: 1990-06-30 00:00:00  
Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-3  
Installed: Not reported  
Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM172**  
**North**  
**1/2-1**  
**3037 ft.**

**PUNA BUG**  
**555 SOUTH ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**

**1000141781**  
**HID981654908**

**Relative:**  
**Higher**

**Site 5 of 9 in cluster AM**

RCRAInfo:

Owner: CHARLES LORENZ  
(415) 555-1212

EPA ID: HID981654908

Contact: ENVIRONMENTAL MANAGER  
(808) 533-1818

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**AM173**  
**North**  
**1/2-1**  
**3103 ft.**

**AMELCO BUILDING (SERVICE STATION)**  
**603 HALEKAUWILA ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**

**U003154507**  
**N/A**

**Relative:**  
**Higher**

**Site 6 of 9 in cluster AM**

LUST:

Facility ID: 9-101356

Release ID: 930106

Facility Status Date: 1997-06-20

Facility Status: Site Cleanup Completed

Project Officer: Sadoyama

UST:

Facility ID: 9-101356

Tank Status: Permanently Out of Use

Tank Capacity: 1000

Date Closed: 1990-06-30 00:00:00

Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-1A

Installed: 1961-03-21 00:00:00

Substance: Not Listed

Facility ID: 9-101356

Tank Status: Permanently Out of Use

Tank Capacity: 4000

Date Closed: 1990-06-30 00:00:00

Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-2

Installed: 1967-12-30 00:00:00

Substance: Gasoline

Facility ID: 9-101356

Tank Status: Permanently Out of Use

Tank Capacity: 4000

Date Closed: 1990-06-30 00:00:00

Owner: AMELCO CORPORATION  
2308 PAHOUNUI DR  
Honolulu, HI 96813

Tank ID: R-1

Installed: 1967-12-30 00:00:00

Substance: Diesel



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AO174**  
**North**  
**1/2-1**  
**3104 ft.**

**GENSIRO KAWAMOTO**  
**627 QUEEN ST**  
**HONOLULU, HI 96800**

**LUST**  
**UST**  
**U003154743**  
**N/A**

**Site 1 of 4 in cluster AO**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**5 ft.**

Facility ID: 9-102963  
Release ID: 940174  
Facility Status Date: 1994-07-25  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Westerman

UST:

Facility ID: 9-102963 Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 12000 Installed: Not reported  
Date Closed: 1994-08-01 00:00:00 Substance: Gasoline  
Owner: GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO  
ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR  
Honolulu, HI 96800

Facility ID: 9-102963 Tank ID: 2  
Tank Status: Permanently Out of Use  
Tank Capacity: 12000 Installed: Not reported  
Date Closed: 1994-08-01 00:00:00 Substance: Gasoline  
Owner: GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO  
ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR  
Honolulu, HI 96800

Facility ID: 9-102963 Tank ID: 3  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000 Installed: Not reported  
Date Closed: 1994-08-01 00:00:00 Substance: Diesel  
Owner: GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO  
ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR  
Honolulu, HI 96800

Facility ID: 9-102963 Tank ID: 4  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000 Installed: Not reported  
Date Closed: 1994-08-01 00:00:00 Substance: Diesel  
Owner: GENSIRO KAWAMOTO C/O MS. CAROL Y. ASAI-SATO  
ALSTON HUNT FLOYD & ING1001 BISHOP ST, 18TH FLR  
Honolulu, HI 96800

**175**  
**NNW**  
**1/2-1**  
**3134 ft.**

**REED LANE WAREHOUSE**  
**556 REED LN**  
**HONOLULU, HI 96813**

**LUST**  
**UST**  
**U003732578**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-103537  
Release ID: 990222  
Facility Status Date: 2001-05-03  
Facility Status: Site Cleanup Completed  
Project Officer: Fu

UST:

Facility ID: 9-103537 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**REED LANE WAREHOUSE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Date Closed: 1999-08-12 00:00:00 Substance: Gasoline  
Owner: KAMEHAMEHA SCHOOLS/BISHOP ESTATE  
567 S. KING STKAWAIAHAO PLAZA, SUITE 200  
Honolulu, HI 96813

**U003732578**

**AP176**  
**NE**  
**1/2-1**  
**3152 ft.**

**C AND C HONOLULU AUDITORIUMS**  
**777 WARD AVE**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1004688944**  
**HIR000000554**

**Site 1 of 3 in cluster AP**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: C AND C OF HONOLULU AUDITORIUMS  
(808) 527-5400

**Actual:**  
**3 ft.**

EPA ID: HIR000000554

Contact: WILLIAM CORLISS  
(808) 527-5412

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM  
NATIONAL COMPLIANCE DATABASE SYSTEM  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AM177**  
**North**  
**1/2-1**  
**3155 ft.**

**MOTOR IMPORTS SERVICE DEPARTMENT**  
**609 SOUTH STREET**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**  
**LUST**  
**UST**

**1000340499**  
**HID981654262**

**Site 7 of 9 in cluster AM**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: SERVCO PACIFIC INC  
(415) 555-1212

**Actual:**  
**6 ft.**

EPA ID: HID981654262

Contact: GEORGE ENDO  
(808) 521-6511

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**LUST:**

Facility ID: 9-100879  
Release ID: 970114  
Facility Status Date: 1998-07-10  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Takaba

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MOTOR IMPORTS SERVICE DEPARTMENT (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000340499**

UST:

Facility ID: 9-100879  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1997-07-09 00:00:00  
Owner: SERVCO PACIFIC, INC.  
P.O. BOX 2788  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1971-05-06 00:00:00  
Substance: Used Oil

**AO178**  
**North**  
**1/2-1**  
**3161 ft.**

**KYLES SVC**  
**869 KAWAIHAAO**  
**HONOLULU, HI 96813**

**RCRA-SQG** **1000221661**  
**FINDS** **HID981972375**

**Site 2 of 4 in cluster AO**

**Relative:**  
**Higher**

RCRAInfo:

Owner: KYLE T METCALF  
(415) 555-1212  
EPA ID: HID981972375  
Contact: ENVIRONMENTAL MANAGER  
(808) 537-9877

**Actual:**  
**6 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**179**  
**NNW**  
**1/2-1**  
**3165 ft.**

**A T & T COMMUNICATION**  
**500 ALA MOANA BLVD. #210**  
**HONOLULU, HI 96813**

**UST** **U003541740**  
**N/A**

**Relative:**  
**Higher**

UST:

Facility ID: 9-101732  
Tank Status: Currently In Use  
Tank Capacity: 6000  
Date Closed: Not reported  
Owner: A T & T COMMUNICATIONS CORP  
227 WEST MONROE, SUITE 2240  
Honolulu, HI 96813

Tank ID: M-2  
Installed: 2000-10-05 00:00:00  
Substance: Diesel

**Actual:**  
**3 ft.**

Facility ID: 9-101732  
Tank Status: Currently In Use  
Tank Capacity: 8000  
Date Closed: Not reported  
Owner: A T & T COMMUNICATIONS CORP  
227 WEST MONROE, SUITE 2240  
Honolulu, HI 96813

Tank ID: M-1  
Installed: 1998-03-01 00:00:00  
Substance: Diesel

Facility ID: 9-101732  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000  
Date Closed: 1998-01-21 00:00:00  
Owner: A T & T COMMUNICATIONS CORP

Tank ID: R-M-1  
Installed: 1987-11-17 00:00:00  
Substance: Diesel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**A T & T COMMUNICATION (Continued)**

EDR ID Number  
EPA ID Number

**U003541740**

227 WEST MONROE, SUITE 2240  
Honolulu, HI 96813

**AM180**  
**North**  
**1/2-1**  
**3186 ft.**

**CBI, INC**  
**614 SOUTH ST**  
**HONOLULU, HI 96813**

**LUST** **U001235923**  
**UST** **N/A**

**Site 8 of 9 in cluster AM**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**7 ft.**

Facility ID: 9-102467  
Release ID: 910091  
Facility Status Date: 1992-06-01  
Facility Status: Site Cleanup Completed  
Project Officer: Mackenzie

**UST:**

Facility ID: 9-102467 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported  
Date Closed: 1991-09-26 00:00:00 Substance: Gasoline  
Owner: CBI, INC  
P.O. BOX 90159  
Honolulu, HI 96813

**181**  
**NW**  
**1/2-1**  
**3186 ft.**

**FORT ARMSTRONG PARKING LOT (MOTORPOOL)**  
**BUFORD AND PLEASANTON AVE**  
**HONOLULU, HI 96813**

**LUST** **U003221870**  
**UST** **N/A**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-103002  
Release ID: 950048  
Facility Status Date: 1999-08-26  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

**UST:**

Facility ID: 9-103002 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 12000 Installed: 1982-01-01 00:00:00  
Date Closed: 1995-01-25 00:00:00 Substance: Gasoline  
Owner: U.S. GENERAL SERVICES ADMINISTRATION  
PJKK FEDERAK BLDG & COURTHOUSE300 ALA MOANA BLVD. RM 3-119  
Honolulu, HI 96813

Facility ID: 9-103002 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000 Installed: 1969-01-01 00:00:00  
Date Closed: 1995-01-18 00:00:00 Substance: Gasoline  
Owner: U.S. GENERAL SERVICES ADMINISTRATION  
PJKK FEDERAK BLDG & COURTHOUSE300 ALA MOANA BLVD. RM 3-119  
Honolulu, HI 96813

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM182**  
**North**  
**1/2-1**  
**3205 ft.**

**KAKAAKO FIRE DEPARTMENT MECHANIC SHOP**  
**620 SOUTH ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**

**U001235033**  
**N/A**

**Site 9 of 9 in cluster AM**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**7 ft.**

Facility ID: 9-100074  
Release ID: 990209  
Facility Status Date: 1999-08-05  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Li

**UST:**

Facility ID: 9-100074 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: 1966-06-01 00:00:00  
Date Closed: 1999-07-08 00:00:00 Substance: Gasoline  
Owner: C&C OF HNL - HONOLULU FIRE DEPARATMENT  
3375 KOAPAKA ST., SUITE H425  
Honolulu, HI 96813

Facility ID: 9-100074 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 500 Installed: 1966-06-01 00:00:00  
Date Closed: 1999-07-08 00:00:00 Substance: Used Oil  
Owner: C&C OF HNL - HONOLULU FIRE DEPARATMENT  
3375 KOAPAKA ST., SUITE H425  
Honolulu, HI 96813

Facility ID: 9-100074 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 500 Installed: 1966-06-01 00:00:00  
Date Closed: 1999-07-08 00:00:00 Substance: Gasoline  
Owner: C&C OF HNL - HONOLULU FIRE DEPARATMENT  
3375 KOAPAKA ST., SUITE H425  
Honolulu, HI 96813

**AQ183**  
**NNE**  
**1/2-1**  
**3210 ft.**

**CHARLES AND JANET FUJII**  
**901-905 WAIMANU ST**  
**HONOLULU, HI 96814**

**UST**

**U001235120**  
**N/A**

**Site 1 of 3 in cluster AQ**

**Relative:**  
**Higher**

**UST:**

**Actual:**  
**5 ft.**

Facility ID: 9-100254 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 550 Installed: 1965-01-01 00:00:00  
Date Closed: 1988-02-01 00:00:00 Substance: Gasoline  
Owner: CHARLES AND JANET FUJII  
918 A-4 KAWAIAHAO ST  
Honolulu, HI 96814

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Database(s)

**AR184**  
**NNE**  
**1/2-1**  
**3222 ft.**

**IMPERIAL PLAZA**  
**725 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**LUST**  
**UST**  
**U001235761**  
**N/A**

**Site 1 of 2 in cluster AR**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102177  
Release ID: 900074  
Facility Status Date: 1996-02-13  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

**UST:**

Facility ID: 9-102177  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: Not reported  
Owner: BUSINESS INVESTMENT, LTD  
SUITE 2700, PACIFIC TOWER / 1001 BISHOP ST  
Honolulu, HI 96813

Tank ID: 1

Installed: Not reported  
Substance: Heating Oil

**AR185**  
**NNE**  
**1/2-1**  
**3222 ft.**

**HD&C, 725 KAPIOLANI BOULEVARD**  
**725 KAPIOLANI BLVD**  
**HONOLULU, HI**

**SHWS**  
**SPILLS**  
**S106817426**  
**N/A**

**Site 2 of 2 in cluster AR**

**Relative:**  
**Higher**

**SHWS:**

**Actual:**  
**3 ft.**

Supplement : The Imperial Plaza  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : Eric Sadoyama  
Assignment End Date : 2004-05-21 00:00:00  
End fill : 2004-05-21 00:00:00  
Result fill : NFA by OSC  
Overall Status : SDAR NFA  
File Under : Hawaiian Dredging & Construction Company  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : 725 Kapiolani Boulevard  
Sitelist Name : 725 Kapiolani Boulevard

**HI SPILLS:**

Case Number: 19900417-2  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Curtis Martin  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: The Imperial Plaza  
Unit: HD&C, 725 Kapiolani Boulevard  
Substances: OIL, DIESEL  
Incident : OIL DISCOVERED WHILE DRILLING HOLES FOR PILINGS.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HD&C, 725 KAPIOLANI BOULEVARD (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106817426**

Initial : OIL DISCOVERED WHILE DRILLING HOLES FOR PILINGS.  
Report : OIL DISCOVERED WHILE DRILLING HOLES FOR PILINGS.

**AS186**  
**ENE**  
**1/2-1**  
**3258 ft.**

**AUTO SURGEON**  
**1111 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**  
**1000823223**  
**HID984468587**

**Site 1 of 3 in cluster AS**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: TEXACO REFINING AND MARKETING  
(808) 533-1886  
EPA ID: HID984468587  
Contact: DENNIS FUNAI  
(808) 596-2131

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AS187**  
**ENE**  
**1/2-1**  
**3258 ft.**

**TEXACO STATION #61-100-0051**  
**1111 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**LUST**  
**UST**  
**U003154467**  
**N/A**

**Site 2 of 3 in cluster AS**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-100334  
Release ID: 950095  
Facility Status Date: 1995-08-21  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

**Actual:**  
**3 ft.**

**UST:**

Facility ID: 9-100334 Tank ID: R-003  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1984-01-01 00:00:00  
Date Closed: 1995-06-07 00:00:00 Substance: Gasoline  
Owner: TEXACO REFINING & MARKETING INC.  
ENVIRONMENTAL SERVICES800 SW FIRST AVE., SUITE 180  
Honolulu, HI 96814

Facility ID: 9-100334 Tank ID: R-001  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1994-01-01 00:00:00  
Date Closed: 1995-06-07 00:00:00 Substance: Gasoline  
Owner: TEXACO REFINING & MARKETING INC.  
ENVIRONMENTAL SERVICES800 SW FIRST AVE., SUITE 180  
Honolulu, HI 96814

Facility ID: 9-100334 Tank ID: R-002  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1984-01-01 00:00:00  
Date Closed: 1995-06-07 00:00:00 Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**TEXACO STATION #61-100-0051 (Continued)**

EDR ID Number  
EPA ID Number

**U003154467**

Owner: TEXACO REFINING & MARKETING INC.  
ENVIRONMENTAL SERVICES800 SW FIRST AVE., SUITE 180  
Honolulu, HI 96814

Facility ID: 9-100334 Tank ID: R-005  
Tank Status: Permanently Out of Use  
Tank Capacity: 550 Installed: 1984-01-01 00:00:00  
Date Closed: 1995-06-07 00:00:00 Substance: Used Oil  
Owner: TEXACO REFINING & MARKETING INC.  
ENVIRONMENTAL SERVICES800 SW FIRST AVE., SUITE 180  
Honolulu, HI 96814

Facility ID: 9-100334 Tank ID: R-004  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1984-01-01 00:00:00  
Date Closed: 1995-06-07 00:00:00 Substance: Gasoline  
Owner: TEXACO REFINING & MARKETING INC.  
ENVIRONMENTAL SERVICES800 SW FIRST AVE., SUITE 180  
Honolulu, HI 96814

**AO188**  
**North**  
**1/2-1**  
**3257 ft.**

**QUEEN EMMALANI TOWER**  
**600 QUEEN ST**  
**HONOLULU, HI 96813**

**RCRA-SQG 1000688441**  
**SHWS HID982442394**  
**FINDS**  
**SPILLS**  
**CERC-NFRAP**

**Relative:**  
**Higher**

**Site 3 of 4 in cluster AO**

**Actual:**  
**7 ft.**

CERCLIS-NFRAP Classification Data:  
Federal Facility: Not a Federal Facility  
Non NPL Code: NFRAP  
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:  
Assessment: DISCOVERY Completed: 06/04/1991  
Assessment: PRELIMINARY ASSESSMENT Completed: 10/11/1994  
Assessment: ARCHIVE SITE Completed: 10/11/1994

CERCLIS-NFRAP Alias Name(s):  
QUEEN EMMALANI TOWER

RCRAInfo:  
Owner: MOTOI KOSAN USA INC  
(415) 555-1212  
EPA ID: HID982442394  
Contact: ENVIRONMENTAL MANAGER  
(808) 949-0065  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : HID984466698  
Funding : ERRF  
Agreement/program : State Site

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

QUEEN EMMALANI TOWER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000688441

Activity Type : Remedial  
Assignment Date : 2005-01-10 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Queen Emmalani Tower  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Queen Emmalani Tower  
Sitelist Name : Queen Emmalani Tower

HI SPILLS:

Case Number: 19910807-2  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Terry Corpus  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Queen Emmalani Tower Development  
Substances: petroleum  
Incident : Complaints of odors from soil at the development.  
Initial : Investigation and remediation.  
Report : Investigation and remediation.

AO189 AAA HAWAII BUILDING  
North 590 QUEEN ST  
1/2-1 HONOLULU, HI 96813  
3300 ft.

LUST U001235068  
UST N/A

Site 4 of 4 in cluster AO

Relative:  
Higher

LUST:  
Facility ID: 9-100155  
Release ID: 980195  
Facility Status Date: 2001-11-08  
Facility Status: Site Cleanup Completed  
Project Officer: Sutterfield

Actual:  
7 ft.

UST:  
Facility ID: 9-100155 Tank ID: R-4  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: Not reported  
Date Closed: 1998-07-02 00:00:00 Substance: Used Oil  
Owner: C AND F MACHINERY CORP.  
91-060 HANUA ST  
Honolulu, HI 96813

Facility ID: 9-100155 Tank ID: R-3  
Tank Status: Permanently Out of Use  
Tank Capacity: 8000 Installed: 1981-03-26 00:00:00  
Date Closed: 1998-07-02 00:00:00 Substance: Gasoline  
Owner: C AND F MACHINERY CORP.  
91-060 HANUA ST  
Honolulu, HI 96813

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

AAA HAWAII BUILDING (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235068

Facility ID:	9-100155	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	8000	Installed:	1981-03-26 00:00:00
Date Closed:	1998-07-02 00:00:00	Substance:	Gasoline
Owner:	C AND F MACHINERY CORP. 91-060 HANUA ST Honolulu, HI 96813		
Facility ID:	9-100155	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	8000	Installed:	1981-03-26 00:00:00
Date Closed:	1998-07-02 00:00:00	Substance:	Gasoline
Owner:	C AND F MACHINERY CORP. 91-060 HANUA ST Honolulu, HI 96813		

AT190 HOPAKA AUTO REPAIR  
ENE 1141 HOPAKA ST  
1/2-1 HONOLULU, HI 96814  
3306 ft.

RCRA-SQG 1000147183  
FINDS HID981978844

Relative:  
Higher

Site 1 of 3 in cluster AT

Actual:  
3 ft.

RCRAInfo:  
Owner: OTAKE RUSSELL  
(415) 555-1212  
EPA ID: HID981978844  
Contact: ENVIRONMENTAL MANAGER  
(808) 537-3772  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

AU191 KOOLANI TOWER PROJECT  
East 1189 WAIMANU ST  
1/2-1 HONOLULU, HI 96814  
3310 ft.

SHWS S106818609  
SPILLS N/A

Relative:  
Higher

Site 1 of 3 in cluster AU

Actual:  
3 ft.

SHWS:  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-10-29 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : 2005-02-28 00:00:00  
End fill : 2005-02-28 00:00:00  
Result fill : No Further Action (NFA)-Closeout Letter  
Overall Status : SDAR NFA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**KOOLANI TOWER PROJECT (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106818609**

File Under : Crescent Heights  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Koolani Tower Project  
Sitelist Name : Koolani Tower Project

**HI SPILLS:**

Case Number: 20040615-1651  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Unknown  
Activity Type : Response  
Assignment Date : 2004-06-15 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Koolani Tower Project  
Substances: Diesel Fuel  
Incident : Unknown substance discovered during soil testing at project site.  
Initial : Unknown substance discovered during soil testing at project site.  
Report : 12/7/2004: Notification received by L. Galvez; no other information available.  
No emergency response action necessary at this time. Refer to ISST.

**AU192**  
**East**  
**1/2-1**  
**3346 ft.**

**GTE HAWAIIAN TEL WAIMANU BASEYARD**  
**1192 WAIMANU ST**  
**HONOLULU, HI 96814**

**LUST**  
**SPILLS**  
**UST**

**U003154875**  
**N/A**

**Site 2 of 3 in cluster AU**

**Relative:**  
**Higher**

**LUST:**  
Facility ID: 9-103266  
Release ID: 010021  
Facility Status Date: 2001-03-21  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

**Actual:**  
**3 ft.**

**HI SPILLS:**

Case Number: 20000529-1200  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2000-05-29 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Pacific Century Trust  
Substances: Gas & Diesel Fuel  
Incident : UST removal (1 diesel, 1 gas): Contaminated soil discovered on 5/29/00. Ground water may be impacted, pending investigation.  
Initial : No results received.  
Report : No results received.

**UST:**

Facility ID: 9-103266  
Tank ID: R-1  
Tank Status: Permanently Out of Use

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GTE HAWAIIAN TEL WAIMANU BASEYARD (Continued)**

EDR ID Number  
EPA ID Number

**U003154875**

Tank Capacity:	1000	Installed:	Not reported
Date Closed:	2000-05-29 00:00:00	Substance:	Gasoline
Owner:	UNDETERMINED AT THIS TIME		
	Address Unknown		
	Honolulu, HI 96814		
Facility ID:	9-103266	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	2000-05-29 00:00:00	Substance:	Diesel
Owner:	UNDETERMINED AT THIS TIME		
	Address Unknown		
	Honolulu, HI 96814		

**AP193  
NE  
1/2-1  
3358 ft.**

**WARD AVENUE COMPLEX  
820 WARD AVE  
HONOLULU, HI 96814**

**RCRA-SQG 1007092165  
HIT000610907**

**Relative:  
Higher**

**Site 2 of 3 in cluster AP**

**Actual:  
3 ft.**

RCRAInfo:  
Owner: HAWAIIAN ELECTRIC CO  
(415) 555-1212  
EPA ID: HIT000610907  
Contact: DONN FUKUDA  
(808) 543-5674  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

**BIENNIAL REPORTS:**

Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	8085.00	D002	40.00
D005	160.00	D007	160.00
D008	160.00	D009	50.00
D018	400.00	D035	1225.00
F001	350.00	F002	350.00

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	10/03/2003
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/26/2003
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AP194  
NE  
1/2-1  
3358 ft.

WARD AVENUE COMPLEX  
820 WARD AVE  
HONOLULU, HI 96813

LUST  
UST

U003221628  
N/A

Relative:  
Higher

Site 3 of 3 in cluster AP

Actual:  
3 ft.

LUST:

Facility ID: 9-100957  
Release ID: 920118  
Facility Status Date: 2001-11-13  
Facility Status: Site Cleanup Completed  
Project Officer: Liu

UST:

Facility ID: 9-100957  
Tank Status: Currently In Use  
Tank Capacity: 1000  
Date Closed: Not reported  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: 5  
Installed: 1989-03-21 00:00:00  
Substance: Used Oil

Facility ID: 9-100957  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: 1992-03-03 00:00:00  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: R-3  
Installed: 1962-11-24 00:00:00  
Substance: Diesel

Facility ID: 9-100957  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Date Closed: 1992-03-03 00:00:00  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1962-11-24 00:00:00  
Substance: Gasoline

Facility ID: 9-100957  
Tank Status: Currently In Use  
Tank Capacity: 10000  
Date Closed: Not reported  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: 87  
Installed: 1992-02-28 00:00:00  
Substance: Gasoline

Facility ID: 9-100957  
Tank Status: Currently In Use  
Tank Capacity: 6000  
Date Closed: Not reported  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: 6  
Installed: 1992-02-28 00:00:00  
Substance: Diesel

Facility ID: 9-100957  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Date Closed: 1992-03-03 00:00:00  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750

Tank ID: R-2  
Installed: 1962-11-24 00:00:00  
Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

WARD AVENUE COMPLEX (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003221628

Honolulu, HI 96813

Facility ID: 9-100957  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1988-08-01 00:00:00  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: R-5  
Installed: 1978-11-24 00:00:00  
Substance: Used Oil

Facility ID: 9-100957  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Date Closed: 1992-03-03 00:00:00  
Owner: HAWAIIAN ELECTRIC CO., INC.  
P.O. BOX 2750  
Honolulu, HI 96813

Tank ID: R-4  
Installed: 1962-11-24 00:00:00  
Substance: Gasoline

AS195  
ENE  
1/2-1  
3411 ft.

MCKINLEY CAR WASH  
1139 KAPIOLANI BLVD  
HONOLULU, HI 96814

LUST UST U001235132  
N/A

Site 3 of 3 in cluster AS

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID: 9-100278  
Release ID: 010024  
Facility Status Date: 2003-09-02  
Facility Status: Site Cleanup Completed  
Project Officer: Li

UST:

Facility ID: 9-100278  
Tank Status: Currently In Use  
Tank Capacity: 9728  
Date Closed: Not reported  
Owner: MCKINLEY MOTOR SERVICE INC.  
1139 KAPIOLANI BLVD  
Honolulu, HI 96814

Tank ID: 87  
Installed: 1984-04-01 00:00:00  
Substance: Gasoline

Facility ID: 9-100278  
Tank Status: Currently In Use  
Tank Capacity: 6000  
Date Closed: Not reported  
Owner: MCKINLEY MOTOR SERVICE INC.  
1139 KAPIOLANI BLVD  
Honolulu, HI 96814

Tank ID: 1B  
Installed: 2000-10-01 00:00:00  
Substance: Gasoline

Facility ID: 9-100278  
Tank Status: Currently In Use  
Tank Capacity: 9000  
Date Closed: Not reported  
Owner: MCKINLEY MOTOR SERVICE INC.  
1139 KAPIOLANI BLVD  
Honolulu, HI 96814

Tank ID: 1a  
Installed: 2000-10-01 00:00:00  
Substance: Gasoline

Facility ID: 9-100278  
Tank Status: Permanently Out of Use  
Tank Capacity: 10500

Tank ID: R-92  
Installed: 1964-05-01 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MCKINLEY CAR WASH (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001235132**

Date Closed:	2001-02-13 00:00:00	Substance:	Gasoline
Owner:	McKINLEY MOTOR SERVICE INC. 1139 KAPIOLANI BLVD Honolulu, HI 96814		
Facility ID:	9-100278	Tank ID:	R-87
Tank Status:	Permanently Out of Use		
Tank Capacity:	8300	Installed:	1964-05-01 00:00:00
Date Closed:	2001-02-13 00:00:00	Substance:	Gasoline
Owner:	McKINLEY MOTOR SERVICE INC. 1139 KAPIOLANI BLVD Honolulu, HI 96814		
Facility ID:	9-100278	Tank ID:	R-89
Tank Status:	Permanently Out of Use		
Tank Capacity:	5422	Installed:	1973-05-01 00:00:00
Date Closed:	2001-02-13 00:00:00	Substance:	Gasoline
Owner:	McKINLEY MOTOR SERVICE INC. 1139 KAPIOLANI BLVD Honolulu, HI 96814		

**AV196**  
**North**  
**1/2-1**  
**3410 ft.**

**K & Y CHEVRON 91524**  
**571 S QUEEN ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**  
**U001235370**  
**N/A**

**Relative:**  
**Higher**

**Site 1 of 4 in cluster AV**

**Actual:**  
**7 ft.**

**LUST:**

Facility ID:	9-101107
Release ID:	020041
Facility Status Date:	2003-07-09
Facility Status:	Site Cleanup Completed
Project Officer:	Takaba

**UST:**

Facility ID:	9-101107	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	10000	Installed:	1982-07-18 00:00:00
Date Closed:	2002-08-26 00:00:00	Substance:	Gasoline
Owner:	CHEVRON PRODUCTS COMPANY 91-480 MALAKOLE ST. Honolulu, HI 96813		
Facility ID:	9-101107	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	10000	Installed:	1982-07-18 00:00:00
Date Closed:	2002-08-26 00:00:00	Substance:	Gasoline
Owner:	CHEVRON PRODUCTS COMPANY 91-480 MALAKOLE ST. Honolulu, HI 96813		
Facility ID:	9-101107	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1982-07-18 00:00:00
Date Closed:	2002-08-26 00:00:00	Substance:	Used Oil
Owner:	CHEVRON PRODUCTS COMPANY 91-480 MALAKOLE ST. Honolulu, HI 96813		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**K & Y CHEVRON 91524 (Continued)**

EDR ID Number  
EPA ID Number

**U001235370**

Facility ID:	9-101107	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	10000	Installed:	1982-07-18 00:00:00
Date Closed:	2002-08-26 00:00:00	Substance:	Gasoline
Owner:	CHEVRON PRODUCTS COMPANY 91-480 MALAKOLE ST. Honolulu, HI 96813		

**197  
NNW  
1/2-1  
3445 ft.**

**AIR FLO EXPRESS INC  
525 HALEKAUWILA STREET  
HONOLULU, HI 96813**

**RCRA-SQG 1000114264  
FINDS HID033173907**

**Relative:  
Higher**

RCRAInfo:  
Owner: MAEHARA ANGEL  
(415) 555-1212  
EPA ID: HID033173907  
Contact: ENVIRONMENTAL MANAGER  
(808) 536-2277

**Actual:  
4 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AU198  
East  
1/2-1  
3489 ft.**

**ALOHA MOTORCYCLE U DRIVE INC  
1216 WAIMANU ST  
HONOLULU, HI 96814**

**RCRA-SQG 1000455795  
FINDS HID982428989**

**Relative:  
Higher**

**Site 3 of 3 in cluster AU**

RCRAInfo:  
Owner: VAN TAKEMOTO  
(415) 555-1212  
EPA ID: HID982428989  
Contact: ENVIRONMENTAL MANAGER  
(808) 945-3677

**Actual:  
3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AV199**  
**North**  
**1/2-1**  
**3510 ft.**

**KAKAAKO FIRE STATION**  
**555 QUEEN ST**  
**HONOLULU, HI 96813**

**LUST**  
**UST**

**U001235034**  
**N/A**

**Site 2 of 4 in cluster AV**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**8 ft.**

Facility ID: 9-100075  
Release ID: 940155  
Facility Status Date: 1999-05-17  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

**UST:**

Facility ID: 9-100075 Tank ID: R-2  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000 Installed: 1975-09-03 00:00:00  
Date Closed: 1994-02-01 00:00:00 Substance: Gasoline  
Owner: C&C OF HNL - HONOLULU FIRE DEPARATMENT  
3375 KOAPAKA ST., SUITE H425  
Honolulu, HI 96813

Facility ID: 9-100075 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 500 Installed: 1975-09-03 00:00:00  
Date Closed: 1994-02-01 00:00:00 Substance: Diesel  
Owner: C&C OF HNL - HONOLULU FIRE DEPARATMENT  
3375 KOAPAKA ST., SUITE H425  
Honolulu, HI 96813

**AT200**  
**ENE**  
**1/2-1**  
**3513 ft.**

**HONOLULU CELLULAR KAPIOLANI**  
**1161 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1004688909**  
**HID984469080**

**Site 2 of 3 in cluster AT**

**Relative:**  
**Higher**

**RCRAInfo:**

**Actual:**  
**3 ft.**

Owner: HONOLULU CELLULAR  
(808) 545-4765  
EPA ID: HID984469080  
Contact: JAMES SEMINARA  
(808) 529-8776

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT201**  
**ENE**  
**1/2-1**  
**3513 ft.**

**HONOLULU CELLULAR TELEPHONE CO.**  
**1161 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**UST** **U001235608**  
**N/A**

**Site 3 of 3 in cluster AT**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID:	9-101857	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	1986-03-07 00:00:00
Tank Capacity:	300	Substance:	Diesel
Date Closed:	1992-03-15 00:00:00		
Owner:	HONOLULU CELLULAR TELEPHONE CO. 1161 KAPIOLANI BOULEVARD Honolulu, HI 96814		

**AQ202**  
**NNE**  
**1/2-1**  
**3511 ft.**

**HAWAII NEWSPAPER AGENCY, INC.**  
**605 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**LUST** **1000146678**  
**UST** **N/A**

**Site 2 of 3 in cluster AQ**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**7 ft.**

Facility ID:	9-100938
Release ID:	940008
Facility Status Date:	1993-10-27
Facility Status:	Site Cleanup Completed
Project Officer:	Sadoyama

Facility ID:	9-100938
Release ID:	930071
Facility Status Date:	1999-05-07
Facility Status:	Site Cleanup Completed
Project Officer:	Maniulit

UST:

Facility ID:	9-100938	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	1978-05-16 00:00:00
Tank Capacity:	6000	Substance:	Gasoline
Date Closed:	1994-12-01 00:00:00		
Owner:	HAWAII NEWSPAPER AGENCY, INC. 605 KAPIOLANI BLVD Honolulu, HI 96813		

Facility ID:	9-100938	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	1978-05-16 00:00:00
Tank Capacity:	6000	Substance:	Gasoline
Date Closed:	1994-12-01 00:00:00		
Owner:	HAWAII NEWSPAPER AGENCY, INC. 605 KAPIOLANI BLVD Honolulu, HI 96813		

Facility ID:	9-100938	Tank ID:	R-3
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	Not reported	Substance:	Not Listed
Date Closed:	1989-10-16 00:00:00		
Owner:	HAWAII NEWSPAPER AGENCY, INC. 605 KAPIOLANI BLVD Honolulu, HI 96813		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AQ203**  
**NNE**  
**1/2-1**  
**3511 ft.**

**HAWAII NEWSPAPER AGENCY, INC**  
**605 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**  
**1004688838**  
**HID982368474**

**Site 3 of 3 in cluster AQ**

**Relative:**  
**Higher**

RCRAInfo:

Owner: GANNETT PAC-HONO ADV  
(415) 555-1212

**Actual:**  
**7 ft.**

EPA ID: HID982368474

Contact: LEONARD RAPOZO  
(808) 525-8000

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

HAWAII ENGINE CONTROL SYSTEM  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AV204**  
**North**  
**1/2-1**  
**3582 ft.**

**HONUAKAHA AFFORDABLE HOUSING COM**  
**545 QUEEN ST**  
**HONOLULU, HI 96800**

**UST**  
**U003154745**  
**N/A**

**Site 3 of 4 in cluster AV**

**Relative:**  
**Higher**

UST:

Facility ID: 9-102966

Tank ID: R-1

**Actual:**  
**10 ft.**

Tank Status: Permanently Out of Use

Tank Capacity: Not reported

Installed: Not reported

Date Closed: 1994-07-06 00:00:00

Substance: Not Listed

Owner: STATE DBEDT - HAWAII COMM DEVELOPMENT AUTHORITY  
677 ALA MOANA BLVD, SUITE 1001  
Honolulu, HI 96800

**AV205**  
**North**  
**1/2-1**  
**3582 ft.**

**WORD OF LIFE CHRISTIAN CENTER**  
**544 QUEEN ST**  
**HONOLULU, HI 96813**

**RCRA-SQG**  
**FINDS**  
**1004689017**  
**HIR000086546**

**Site 4 of 4 in cluster AV**

**Relative:**  
**Higher**

RCRAInfo:

Owner: WORD OF LIFE CHRISTIAN CTR  
(808) 528-4044

**Actual:**  
**10 ft.**

EPA ID: HIR000086546

Contact: LEE DOONEY  
(808) 441-1804

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**WORD OF LIFE CHRISTIAN CENTER (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1004689017**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AW206**  
**NNE**  
**1/2-1**  
**3586 ft.**

**SERVCO PACIFIC**  
**650 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**UST** **U003402864**  
**N/A**

**Site 1 of 5 in cluster AW**

**Relative:**  
**Higher**

**UST:**

**Actual:**  
**7 ft.**

Facility ID:	9-103500	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1998-11-23 00:00:00	Substance:	Gasoline
Owner:	SERVCO PACIFIC, INC. 900 FORT St MALL, SUITE 600 P.O. BOX 2788 Honolulu, HI 96814		

**AW207**  
**NNE**  
**1/2-1**  
**3586 ft.**

**MOTOR IMPORTS**  
**650 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**SHWS** **1006818926**  
**FINDS** **110013766825**

**Site 2 of 5 in cluster AW**

**Relative:**  
**Higher**

**FINDS:**

**Actual:**  
**7 ft.**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	Removal
Assignment Date :	1999-10-08 00:00:00
Activity Lead :	Mark Sutterfield
Assignment End Date :	2004-07-13 00:00:00
End fill :	2004-07-13 00:00:00
Result fill :	No Further Action (NFA) with Conditions
Overall Status :	SDAR NFA
File Under :	Servco Pacific, Inc.
Restricted Use Comm :	Not reported
Is Relied On In Remedy :	Not reported
Unit :	Motor Imports
Sitelist Name :	Motor Imports

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AX208**  
**NNW**  
**1/2-1**  
**3655 ft.**

**PRINCE KUHIO FEDERAL BLDG.**  
**300 ALA MOANA BLVD**  
**HONOLULU, HI 96850**

**UST**

**U001235630**  
**N/A**

**Site 1 of 3 in cluster AX**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID: 9-101930 Tank ID: M-2  
Tank Status: Currently In Use  
Tank Capacity: 5000 Installed: 1995-08-01 00:00:00  
Date Closed: Not reported Substance: Diesel  
Owner: U.S. GENERAL SERVICES ADMINISTRATION  
PJJK FEDERAK BLDG & COURTHOUSE300 ALA MOANA BLVD. RM 3-119  
Honolulu, HI 96850

Facility ID: 9-101930 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000 Installed: 1977-02-01 00:00:00  
Date Closed: 1995-02-18 00:00:00 Substance: Diesel  
Owner: U.S. GENERAL SERVICES ADMINISTRATION  
PJJK FEDERAK BLDG & COURTHOUSE300 ALA MOANA BLVD. RM 3-119  
Honolulu, HI 96850

**209**  
**NNW**  
**1/2-1**  
**3701 ft.**

**KAAHUMANU HALE**  
**777 PUNCHBOWL ST**  
**HONOLULU, HI 96813**

**UST**

**U003402857**  
**N/A**

**Relative:**  
**Higher**

UST:

**Actual:**  
**3 ft.**

Facility ID: 9-103481 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 250 Installed: Not reported  
Date Closed: 1999-08-18 00:00:00 Substance: Diesel  
Owner: STATE OF HAWAII JUCICIARY  
417 S. KING ST  
Honolulu, HI 96813

**AY210**  
**ENE**  
**1/2-1**  
**3719 ft.**

**WES'S KAPIOLANI SHELL SERVICE STATION**  
**1204 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**LUST**  
**UST**

**U001235339**  
**N/A**

**Site 1 of 3 in cluster AY**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-101021  
Release ID: 920159  
Facility Status Date: 1996-04-03  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

UST:

Facility ID: 9-101021 Tank ID: R-6  
Tank Status: Permanently Out of Use  
Tank Capacity: 750 Installed: Not reported  
Date Closed: Not reported Substance: Gasoline  
Owner: SHELL OIL COMPANY  
789 NIMITZ HWY  
Honolulu, HI 96814

Facility ID: 9-101021 Tank ID: R-5  
Tank Status: Permanently Out of Use

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

WES'S KAPIOLANI SHELL SERVICE STATION (Continued)

U001235339

Tank Capacity:	550	Installed:	1963-04-19 00:00:00
Date Closed:	Not reported	Substance:	Used Oil
Owner:	SHELL OIL COMPANY 789 NIMITZ HWY Honolulu, HI 96814		
Facility ID:	9-101021	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	1963-04-19 00:00:00
Tank Capacity:	6000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	SHELL OIL COMPANY 789 NIMITZ HWY Honolulu, HI 96814		
Facility ID:	9-101021	Tank ID:	R-4
Tank Status:	Permanently Out of Use	Installed:	1963-04-19 00:00:00
Tank Capacity:	4000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	SHELL OIL COMPANY 789 NIMITZ HWY Honolulu, HI 96814		
Facility ID:	9-101021	Tank ID:	R-1
Tank Status:	Permanently Out of Use	Installed:	1971-04-19 00:00:00
Tank Capacity:	6000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	SHELL OIL COMPANY 789 NIMITZ HWY Honolulu, HI 96814		
Facility ID:	9-101021	Tank ID:	R-3
Tank Status:	Permanently Out of Use	Installed:	1963-04-19 00:00:00
Tank Capacity:	4000	Substance:	Gasoline
Date Closed:	Not reported		
Owner:	SHELL OIL COMPANY 789 NIMITZ HWY Honolulu, HI 96814		

AY211  
ENE  
1/2-1  
3719 ft.

WES S KAPIOLANI SHELL SERVICE STATION  
1204 KAPIOLANI BOULEVARD  
HONOLULU, HI 96814

RCRA-SQG 1000390334  
FINDS HID981657307

Relative:  
Higher

Site 2 of 3 in cluster AY

Actual:  
3 ft.

RCRAInfo:  
Owner: SHELL OIL COMPANY  
(415) 555-1212  
EPA ID: HID981657307  
Contact: SONDRA BIENVENU  
(713) 241-5036  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**WES S KAPIOLANI SHELL SERVICE STATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

HAWAII ENGINE CONTROL SYSTEM

HAWAII-UNDERGROUND STORAGE TANK

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**1000390334**

**AW212**  
**NNE**  
**1/2-1**  
**3760 ft.**

**KAPIOLANI BOWL**  
**KAPIOLANI BLVD X WARD AVE**  
**HONOLULU, HI 96800**

**LUST** **U001237402**  
**UST** **N/A**

**Site 3 of 5 in cluster AW**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**7 ft.**

Facility ID: 9-102703  
Release ID: 930011  
Facility Status Date: 2001-10-01  
Facility Status: Case Transferred to HEER  
Project Officer: HEER

**UST:**

Facility ID:	9-102703	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	Not reported	Installed:	Not reported
Date Closed:	Not reported	Substance:	Not Listed
Owner:	UNDETERMINED AT THIS TIME		
	Address Unknown		
	Honolulu, HI 96800		

**AZ213**  
**East**  
**1/2-1**  
**3763 ft.**

**NAURU PHOSPHATE ROYALTIES TRUST**  
**404 PIIKOI ST/1330 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**LUST** **U001235758**  
**N/A**

**Site 1 of 4 in cluster AZ**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102168  
Release ID: 900009  
Facility Status Date: 1999-09-07  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

**AX214**  
**NNW**  
**1/2-1**  
**3770 ft.**

**HONOLULU GENERATING STATION**  
**170 ALA MOANA BLVD**  
**HONOLULU, HI 96813**

**UST** **U001235312**  
**N/A**

**Site 2 of 3 in cluster AX**

**Relative:**  
**Higher**

**UST:**

**Actual:**  
**3 ft.**

Facility ID:	9-100961	Tank ID:	R-01
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1968-11-16 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	HAWAIIAN ELECTRIC CO., INC.		
	P.O. BOX 2750		
	Honolulu, HI 96813		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site  
Database(s)  
EDR ID Number  
EPA ID Number

**AX215**  
**NNW**  
**1/2-1**  
**3770 ft.**

**HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION**  
**170 ALA MOANA BOULEVARD**  
**HONOLULU, HI 96813**

**Site 3 of 3 in cluster AX**

**RCRA-SQG**  
**SHWS**  
**FINDS**  
**SPILLS**  
**RCRA-TSDF**  
**CORRACTS**  
**CERC-NFRAP**

**1000146691**  
**HID000150680**

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

**CERCLIS-NFRAP Classification Data:**

Federal Facility: Not a Federal Facility  
Non NPL Code: DR  
NPL Status: Not on the NPL

**CERCLIS-NFRAP Assessment History:**

Assessment:	DISCOVERY	Completed:	05/08/1990
Assessment:	PRELIMINARY ASSESSMENT	Completed:	05/15/1990
Assessment:	ARCHIVE SITE	Completed:	01/23/1996

**CORRACTS Data:**

EPA Id: HID000150680  
Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 03/16/1992  
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority  
2002 NAICS Title: Fossil Fuel Electric Power Generation

EPA Id: HID000150680  
Region: 9  
Area Name: ENTIRE FACILITY  
Actual Date: 04/30/1990  
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority  
2002 NAICS Title: Fossil Fuel Electric Power Generation

**RCRAInfo Corrective Action Summary:**

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 03/16/1992

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 03/16/1992

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 04/30/1990



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000146691**

RCRAInfo:

Owner: HAWAIIAN ELECTRIC CO., INC.  
(808) 548-7311  
EPA ID: HID000150680  
Contact: Not reported  
Classification: TSD  
TSD Activities: Used oil market burner, Used oil spec marketer

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	1380.11	D002	35.00
D007	15.00	D008	40.00
D009	10.00	D018	1150.00
F003	1165.00	P106	20.00

Violation Status: Violations exist

Regulation Violated: 40 CFR 262.34(a)(2)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 03/18/2003  
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/31/2003  
Penalty Type: Not reported

Regulation Violated: 40 CFR 279.22(c)(1)  
Area of Violation: 09UOG  
Date Violation Determined: 03/18/2003  
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/31/2003  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS  
Date Violation Determined: 03/31/1986  
Actual Date Achieved Compliance: 05/08/1986

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/31/1986  
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS 09UOG	
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19860508

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000146691**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM  
HAWAII ENGINE CONTROL SYSTEM  
HAWAII-UNDERGROUND STORAGE TANK  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
NATIONAL EMISSIONS INVENTORY  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : HID000150680  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2003-10-17 00:00:00  
Activity Lead : Unassigned (low)  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Hawaiian Electric Co., Inc. (HECO)  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Hawaiian Electric Company (HECO)-Honolulu Generating Station  
Sitelist Name : Hawaiian Electric Company (HECO)-Honolulu Generating Station

**HI SPILLS:**

Case Number: 19960214-1545  
Island: Oahu  
Numerical Quantity: 1000  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1996-02-14 00:00:00  
Activity Lead : Chris Takeno  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Honolulu Power Plant HECO Fuel oil storage tanks  
Substances: Fuel Oil #6  
Incident : Line leak (rusted spot) contained leak inside trench. Concrete trench. Incident happened at 2:30.  
Pressure in the primary fuel oil pump caused the relief valve to open, releasing the fuel oil. No media was impacted. The oil was contained within the concrete lined fuel pipeline trough.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen on water fronting the Intake for the generating plant.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Initial : Disabled sump pump. PENCO to assist in taking oil out of trench.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000146691

Report : Mike around 11:00a.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil sheen fronting the seawater intake to the plant. Oil sheen cause due to large water main break in Nimitz Hwy.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Disabled sump pump. PENCO to assist in taking oil out of trench.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen due to water main break on Nimitz Hwy.  
Received call from Andy Keith, informed me that a transformer had exploded at their Ward Facility. He currently has several crews cleaning the site, incident is under control.

Case Number: 19970218-1413  
Island: Oahu  
Numerical Quantity: 50  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1997-02-18 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Honolulu Generating Station  
Substances: Turbine Oil

Incident : Line leak (rusted spot) contained leak inside trench. Concrete trench. Incident happened at 2:30.  
Pressure in the primary fuel oil pump caused the relief valve to open, releasing the fuel oil. No media was impacted. The oil was contained within the concrete lined fuel pipeline trough.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen on water fronting the Intake for the generating plant.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Initial : Disabled sump pump. PENCO to assist in taking oil out of trench.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)**

**1000146691**

Report : Harbor.  
Oil sheen fronting the seawater intake to the plant. Oil sheen cause due to large water main break in Nimitz Hwy.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Disabled sump pump. PENCO to assist in taking oil out of trench.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen due to water main break on Nimitz Hwy.  
Received call from Andy Keith, informed me that a transformer had exploded at their Ward Facility. He currently has several crews cleaning the site, incident is under control.

Case Number: 19980415-0845  
Island: Oahu  
Numerical Quantity: 35  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1998-04-15 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: HECO-Honolulu Generating Station  
Substances: Fuel Oil

Incident : Line leak (rusted spot) contained leak inside trench. Concrete trench. Incident happened at 2:30.  
Pressure in the primary fuel oil pump caused the relief valve to open, releasing the fuel oil. No media was impacted. The oil was contained within the concrete lined fuel pipeline trough.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen on water fronting the Intake for the generating plant.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Initial : Disabled sump pump. PENCO to assist in taking oil out of trench.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil sheen fronting the seawater intake to the plant. Oil sheen cause due to large water main break in Nimitz Hwy.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Report : Disabled sump pump. PENCO to assist in taking oil out of trench.  
Crews began an immediate cleanup recovering usable product and removing

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000146691

remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen due to water main break on Nimitz Hwy.  
Received call from Andy Keith, informed me that a transformer had exploded at their Ward Facility. He currently has several crews cleaning the site, incident is under control.

Case Number: 20011024-1407  
Island: Oahu  
Numerical Quantity: 10  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 2001-10-24 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Guzzler Hydraulic Fluid Spill  
Substances: Hydraulic Fluid

Incident : Line leak (rusted spot) contained leak inside trench. Concrete trench. Incident happened at 2:30.  
Pressure in the primary fuel oil pump caused the relief valve to open, releasing the fuel oil. No media was impacted. The oil was contained within the concrete lined fuel pipeline trough.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen on water fronting the Intake for the generating plant.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Initial : Disabled sump pump. PENCO to assist in taking oil out of trench.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil sheen fronting the seawater intake to the plant. Oil sheen cause due to large water main break in Nimitz Hwy.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.  
Report : Disabled sump pump. PENCO to assist in taking oil out of trench.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)

EDR ID Number  
EPA ID Number

1000146691

Harbor.  
Oil Sheen due to water main break on Nimitz Hwy.  
Received call from Andy Keith, informed me that a transformer had exploded at their Ward Facility. He currently has several crews cleaning the site, incident is under control.

Case Number: 20040708-0700  
Island: Oahu  
Numerical Quantity: 1  
Less Or Greater Than : <  
Units : Gallons  
Activity Type : Response  
Assignment Date : 2004-07-08 00:00:00  
Activity Lead : Paul Chong  
Assignment End Date : 2004-07-08 00:00:00  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Honolulu Generating Station Seawater Intake  
Substances: Oil Sheen

Incident : Line leak (rusted spot) contained leak inside trench. Concrete trench. Incident happened at 2:30.  
Pressure in the primary fuel oil pump caused the relief valve to open, releasing the fuel oil. No media was impacted. The oil was contained within the concrete lined fuel pipeline trough.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen on water fronting the Intake for the generating plant.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.

Initial : Disabled sump pump. PENCO to assist in taking oil out of trench.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil sheen fronting the seawater intake to the plant. Oil sheen cause due to large water main break in Nimitz Hwy.  
Received a call from HECO Andy Keith, Blown Transformer at the Ward facility.

Report : Disabled sump pump. PENCO to assist in taking oil out of trench.  
Crews began an immediate cleanup recovering usable product and removing remaining signs of contamination. Cleanup debris was taken to H-Power for disposal.  
50 gallons of turbine oil to the sealed concrete floor. Release first reported to Mike around 11:00a.  
While cleaning up a tunnel, the guzzler, which cleans up debris, lost a cap and spilled hydraulic fluid. The hydraulic fluid caused a sheen at Pier 6 Honolulu Harbor.  
Oil Sheen due to water main break on Nimitz Hwy.  
Received call from Andy Keith, informed me that a transformer had exploded at their Ward Facility. He currently has several crews cleaning the site, incident is under control.  
These are the most recent HI Spills records for this site.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAWAIIAN ELECTRIC COMPANY HONOLULU GENERATING STATION (Continued)

EDR ID Number  
EPA ID Number

1000146691

[Click this hyperlink](#) while viewing on your computer to access  
1 additional HI Spills record(s) in the EDR Site Report.

AW216  
NNE  
1/2-1  
3777 ft.

SHELLY MAZDA SERVICE AREA  
CHAPIN ST  
HONOLULU, HI 96800

LUST  
UST  
U001237403  
N/A

Site 4 of 5 in cluster AW

Relative:  
Higher

LUST:

Actual:  
7 ft.

Facility ID: 9-102704  
Release ID: 930012  
Facility Status Date: 2003-10-06  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

UST:

Facility ID:	9-102704	Tank ID:	R-3
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	Not reported	Substance:	Not Listed
Date Closed:	Not reported		
Owner:	UNDETERMINED AT THIS TIME		
	Address Unknown		
	Honolulu, HI 96800		

Facility ID:	9-102704	Tank ID:	R-2
Tank Status:	Permanently Out of Use	Installed:	Not reported
Tank Capacity:	Not reported	Substance:	Not Listed
Date Closed:	Not reported		
Owner:	UNDETERMINED AT THIS TIME		
	Address Unknown		
	Honolulu, HI 96800		

AY217  
East  
1/2-1  
3853 ft.

EVERSHINE X  
1230 KAPIOLANI BLVD  
HONOLULU, HI 96814

SHWS  
VCP  
INST CONTROL  
S105262688  
N/A

Site 3 of 3 in cluster AY

Relative:  
Higher

SHWS:

Actual:  
3 ft.

Supplement :	Not reported
Restricted Use :	This site is available for unrestricted use.
Fed Id :	Not reported
Funding :	ERRF-VRP
Agreement/program :	VRP
Activity Type :	Site Assessment
Assignment Date :	2002-10-01 00:00:00
Activity Lead :	Mark Sutterfield
Assignment End Date :	2004-08-18 00:00:00
End fill :	2004-08-18 00:00:00
Result fill :	Letter of Completion (LOC)-Cleanup Goals Achieved
Overall Status :	SDAR NFA
File Under :	Evershine X
Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	No institutional controls.
Unit :	Evershine X
Sitelist Name :	Evershine X

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**EVERSHINE X (Continued)**

EDR ID Number  
EPA ID Number

**S105262688**

**HI INSTITUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Evershine X  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: No institutional controls.

**VCP:**

Island: Oahu  
Supplemental Location Text: Not reported  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: There are no restrictions on the use of this property.  
IC Relied on in Remedy: None. There are no institutional controls or restrictions on the use of this property. Internet pu  
SDAR Receipt: 2000-06-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: 2004-08-18 00:00:00  
Activity Type: Site Assessment  
Assignment Date: 2002-10-01 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: 2004-08-18 00:00:00  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: SDAR NFA  
Type of Remedial Document: VRP Agreement  
Date of Document: 1998-06-25 00:00:00

**218  
North  
1/2-1  
3854 ft.**

**DAGS CSD ALIIAIMOKU HALE BLDG DOT  
869 PUNCHBOWL ST PENTHOUSE  
HONOLULU, HI 96813**

**RCRA-SQG 1004688764  
FINDS HI0000842989**

**Relative:  
Higher**

RCRAInfo:  
Owner: STATE OF HAWAII DAGS CEN SVCS  
(808) 831-6734  
EPA ID: HI0000842989  
Contact: JAMES HISANO  
(808) 831-6734  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**Actual:  
7 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**AW219  
NNE  
1/2-1  
3911 ft.**

**HONOLULU MUNICIPAL BLDG  
650 S KING ST  
HONOLULU, HI 96813**

**UST U001235060  
N/A**

**Site 5 of 5 in cluster AW**

**Relative:  
Higher**

UST:  
Facility ID: 9-100122 Tank ID: R-1  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000 Installed: 1975-04-01 00:00:00

**Actual:  
8 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HONOLULU MUNICIPAL BLDG (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001235060**

Date Closed: 1994-03-01 00:00:00 Substance: Diesel  
Owner: C&C HNL - DEPT OF FACILITY MAINTENANCE  
1000 ULUOHIA ST, SUITE 215  
Honolulu, HI 96813

Facility ID: 9-100122 Tank ID: M-1  
Tank Status: Currently In Use  
Tank Capacity: 12000 Installed: 1994-09-01 00:00:00  
Date Closed: Not reported Substance: Diesel  
Owner: C&C HNL - DEPT OF FACILITY MAINTENANCE  
1000 ULUOHIA ST, SUITE 215  
Honolulu, HI 96813

**AZ220**  
**East**  
**1/2-1**  
**3916 ft.**

**NAURU PHOSPHATE**  
**404 PIIKOI STREET**  
**HONOLULU, HI 96814**

**RCRA-SQG**  
**FINDS**

**1000409232**  
**HID981656812**

**Site 2 of 4 in cluster AZ**

**Relative:**  
**Higher**

RCRAInfo:  
Owner: NAURA PHOSPHATE ROYALTIES  
(808) 529-7300  
EPA ID: HID981656812  
Contact: SCOTT BLANK  
(808) 529-7300

**Actual:**  
**3 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**BA221**  
**NNE**  
**1/2-1**  
**3929 ft.**

**CIVIC CENTER PARKING STRUCTURE**  
**1100 ALAPAI ST**  
**HONOLULU, HI 96813**

**UST** **U001235059**  
**N/A**

**Site 1 of 2 in cluster BA**

**Relative:**  
**Higher**

UST:  
Facility ID: 9-100121 Tank ID: 87A  
Tank Status: Currently In Use  
Tank Capacity: 1000 Installed: 1979-05-13 00:00:00  
Date Closed: Not reported Substance: Gasoline  
Owner: C&C HNL - DEPT OF FACILITY MAINTENANCE  
1000 ULUOHIA ST, SUITE 215  
Honolulu, HI 96813

**Actual:**  
**10 ft.**

Facility ID: 9-100121 Tank ID: 87B  
Tank Status: Currently In Use  
Tank Capacity: 1000 Installed: 1979-05-13 00:00:00  
Date Closed: Not reported Substance: Gasoline  
Owner: C&C HNL - DEPT OF FACILITY MAINTENANCE  
1000 ULUOHIA ST, SUITE 215  
Honolulu, HI 96813

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AZ222**  
**East**  
**1/2-1**  
**3945 ft.**

**DURANT REALTY CORP**  
**450 PIKOI ST**  
**HONOLULU, HI 96814**

**UST** **U001235762**  
**N/A**

**Site 3 of 4 in cluster AZ**

**Relative:**  
**Higher**

**UST:**

**Actual:**  
**3 ft.**

Facility ID: 9-102184  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1985-12-31 00:00:00  
Owner: DURANT REALTY CORP  
2311 FERDINAND AVE  
Honolulu, HI 96814

Tank ID: R-01  
Installed: 1950-01-01 00:00:00  
Substance: Gasoline

Facility ID: 9-102184  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Date Closed: 1985-12-31 00:00:00  
Owner: DURANT REALTY CORP  
2311 FERDINAND AVE  
Honolulu, HI 96814

Tank ID: R-02  
Installed: 1950-01-01 00:00:00  
Substance: Gasoline

**223**  
**ENE**  
**1/2-1**  
**3947 ft.**

**KAPIOLANI**  
**HONOLULU, HI**

**SWF/LF** **S106401374**  
**N/A**

**Relative:**  
**Higher**

**LF:**

**Actual:**  
**3 ft.**

Permit : Not reported  
Permit Date : Not reported  
Owner: Not reported  
Facility Type: Not reported  
Facility Status: Not reported  
Closure Year : Not reported  
Renewal Year : Not reported  
Date Received : Not reported  
TMK : 2-3-09:1  
Active Dates : 1936  
Size (acres) : Not reported  
Type of Waste : MSW  
Lat/Long : 211755 / 1575054

**BB224**  
**NNE**  
**1/2-1**  
**3967 ft.**

**TESORO GAS EXPRESS KING & COOKE**  
**759 S KING ST**  
**HONOLULU, HI 96813**

**LUST** **U001235754**  
**UST** **N/A**

**Site 1 of 4 in cluster BB**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**10 ft.**

Facility ID: 9-102158  
Release ID: 890019  
Facility Status Date: 1997-02-20  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID: 9-102158  
Tank Status: Currently In Use  
Tank Capacity: 12000  
Date Closed: Not reported

Tank ID: 92  
Installed: 2000-10-01 00:00:00  
Substance: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TESORO GAS EXPRESS KING & COOKE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235754

Owner: TESORO HAWAII CORPORATION  
733 BISHOP ST, SUITE 2700P.O. BOX 3379  
Honolulu, HI 96813

Facility ID:	9-102158	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	Not reported
Date Closed:	1989-06-08 00:00:00	Substance:	Used Oil
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Facility ID:	9-102158	Tank ID:	3
Tank Status:	Currently In Use		
Tank Capacity:	12000	Installed:	2000-10-01 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Facility ID:	9-102158	Tank ID:	87
Tank Status:	Currently In Use		
Tank Capacity:	12000	Installed:	2000-10-01 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Facility ID:	9-102158	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	11500	Installed:	Not reported
Date Closed:	1989-06-09 00:00:00	Substance:	Gasoline
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Facility ID:	9-102158	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	5000	Installed:	Not reported
Date Closed:	1989-06-09 00:00:00	Substance:	Gasoline
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Facility ID:	9-102158	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	10000	Installed:	Not reported
Date Closed:	1989-06-09 00:00:00	Substance:	Gasoline
Owner:	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700P.O. BOX 3379 Honolulu, HI 96813		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BB225**  
**NNE**  
**1/2-1**  
**3981 ft.**

**SCAN LINE BUILDING**  
**788 S KING ST**  
**HONOLULU, HI 96800**

**LUST**  
**UST**  
**U003154619**  
**N/A**

**Site 2 of 4 in cluster BB**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**10 ft.**

Facility ID: 9-102752  
Release ID: 940019  
Facility Status Date: 1993-11-15  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

**UST:**

Facility ID: 9-102752  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1993-07-27 00:00:00  
Owner: SCAN LINE BUILDING  
788 S KING ST  
Honolulu, HI 96800

Tank ID: R-1  
Installed: Not reported  
Substance: Other

Facility ID: 9-102752  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1993-07-27 00:00:00  
Owner: SCAN LINE BUILDING  
788 S KING ST  
Honolulu, HI 96800

Tank ID: R-2  
Installed: Not reported  
Substance: Other

Facility ID: 9-102752  
Tank Status: Permanently Out of Use  
Tank Capacity: Not reported  
Date Closed: 1993-07-27 00:00:00  
Owner: SCAN LINE BUILDING  
788 S KING ST  
Honolulu, HI 96800

Tank ID: R-3  
Installed: Not reported  
Substance: Other

**BB226**  
**NNE**  
**1/2-1**  
**3988 ft.**

**ONE ARCHER LANE**  
**801 S KING ST**  
**HONOLULU, HI 96813**

**SHWS**  
**FINDS**  
**SPILLS**  
**1006818981**  
**110013767414**

**Site 3 of 4 in cluster BB**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**10 ft.**

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : John Peard  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Myers King Street Partners



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ONE ARCHER LANE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006818981

Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : One Archer Lane Petroleum Contamination  
Sitelist Name : One Archer Lane Petroleum Contamination

HI SPILLS:

Case Number: 19961002-1100  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1996-10-02 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: One Archer Lane, discovered UST  
Substances: Not reported

Incident : Contractors working for the Myers Corp. on the One Archer Lane project uncovered an unidentified UST.

Discovered petroleum contamination during construction. Tanks had been pulled previously.

SOSC Bill Perry responded assessing a white powder at 1 Archer Lane after a reported 42 had possibly been exposed to a potential bioterrorism agent anthrax. The powder as discovered in an envelope marked Astrarza Co. was sampled and taken for analysis.

Initial : Ogden Environmental was immediately called to to test tank contents. Plans to have PENCO pump tank, dispose of substances and then remove tank were made by Myers Corp.

Ogden is characterizing the site.  
SOSC went to scene and assessed the situation. Hazmat grabbed a sample to analyze. Decon procedures were taken to protect the public. The 42 people on site who had been potentially exposed were directed to get medical observation pending sampling results.

Report : See also 960724-1544. Forwarded to SDAR.  
See also 961002-1100. Forwarded to SDAR.  
Location 1 Archer Lane white powder in envelope marked ASTARAZA Co. two people exposed initially then a reported 42 people are in isolation pending analysis of powder. HAZMAT asked DOH HEER to analyze substance.

Case Number: 19960724-1544  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1996-07-24 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: One Archer Lane, petroleum contamination  
Substances: Petroleum

Incident : Contractors working for the Myers Corp. on the One Archer Lane project uncovered an unidentified UST.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ONE ARCHER LANE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006818981

Discovered petroleum contamination during construction. Tanks had been pulled previously.  
SOSC Bill Perry responded assessing a white powder at 1 Archer Lane after a reported 42 had possibly been exposed to a potential bioterrorism agent anthrax. The powder as discovered in an envelope marked Astrarza Co. was sampled and taken for analysis.  
Initial : Ogden Environmental was immediately called to to test tank contents. Plans to have PENCO pump tank, dispose of substances and then remove tank were made by Myers Corp.  
Ogden is characterizing the site.  
SOSC went to scene and assessed the situation. Hazmat grabbed a sample to analyze. Decon procedures were taken to protect the public. The 42 people on site who had been potentially exposed were directed to get medical observation pending sampling results.  
Report : See also 960724-1544. Forwarded to SDAR.  
See also 961002-1100. Forwarded to SDAR.  
Location 1 Archer Lane white powder in envelope marked ASTARAZA Co. two people exposed initially then a reported 42 people are in isolation pending analysis of powder. HAZMAT asked DOH HEER to analyze substance.

Case Number: 20011013-1451  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2001-10-13 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: 1 Archer Lane, Honolulu, White Powder-Anthrax Scare  
Substances: Unknown white powder possibly containing a bioterrorism agent anthrax

Incident : Contractors working for the Myers Corp. on the One Archer Lane project uncovered an unidentified UST.  
Discovered petroleum contamination during construction. Tanks had been pulled previously.  
SOSC Bill Perry responded assessing a white powder at 1 Archer Lane after a reported 42 had possibly been exposed to a potential bioterrorism agent anthrax. The powder as discovered in an envelope marked Astrarza Co. was sampled and taken for analysis.  
Initial : Ogden Environmental was immediately called to to test tank contents. Plans to have PENCO pump tank, dispose of substances and then remove tank were made by Myers Corp.  
Ogden is characterizing the site.  
SOSC went to scene and assessed the situation. Hazmat grabbed a sample to analyze. Decon procedures were taken to protect the public. The 42 people on site who had been potentially exposed were directed to get medical observation pending sampling results.  
Report : See also 960724-1544. Forwarded to SDAR.  
See also 961002-1100. Forwarded to SDAR.  
Location 1 Archer Lane white powder in envelope marked ASTARAZA Co. two people

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ONE ARCHER LANE (Continued)

EDR ID Number  
EPA ID Number

1006818981

exposed initially then a reported 42 people are in isolation pending analysis of powder. HAZMAT asked DOH HEER to analyze substance.

BB227  
NNE  
1/2-1  
3994 ft.

ONE ARCHER LANE (FORMERLY KING STREET CARWASH)  
809 S KING ST  
HONOLULU, HI 96800

LUST S103455161  
N/A

Site 4 of 4 in cluster BB

Relative:  
Higher

LUST:

Actual:  
10 ft.

Facility ID: 9-102451  
Release ID: 970002  
Facility Status Date: 1997-02-10  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

Facility ID: 9-102451  
Release ID: 920002  
Facility Status Date: 1995-03-01  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

AZ228  
East  
1/2-1  
4021 ft.

ALOHA ALA MOANA  
451 PIIKOI ST  
HONOLULU, HI 96814

LUST U001235401  
UST N/A

Site 4 of 4 in cluster AZ

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID: 9-101180  
Release ID: 890004  
Facility Status Date: 1996-03-11  
Facility Status: Site Cleanup Completed  
Project Officer: Brewer

UST:

Facility ID: 9-101180  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Date Closed: Not reported  
Owner: ALOHA PETROLEUM, LTD.  
1132 BISHOP STREET, SUITE 1700  
Honolulu, HI 96814

Tank ID: R-03  
Installed: 1968-04-04 00:00:00  
Substance: Gasoline

Facility ID: 9-101180  
Tank Status: Permanently Out of Use  
Tank Capacity: 285  
Date Closed: 1988-08-30 00:00:00  
Owner: ALOHA PETROLEUM, LTD.  
1132 BISHOP STREET, SUITE 1700  
Honolulu, HI 96814

Tank ID: R-05  
Installed: 1968-04-04 00:00:00  
Substance: Diesel

Facility ID: 9-101180  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: 1988-08-30 00:00:00  
Owner: ALOHA PETROLEUM, LTD.  
1132 BISHOP STREET, SUITE 1700  
Honolulu, HI 96814

Tank ID: R-04  
Installed: 1968-04-04 00:00:00  
Substance: Used Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ALOHA ALA MOANA (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235401

Facility ID:	9-101180	Tank ID:	R-02
Tank Status:	Permanently Out of Use		
Tank Capacity:	5000	Installed:	1968-04-04 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814		
Facility ID:	9-101180	Tank ID:	R-01
Tank Status:	Permanently Out of Use		
Tank Capacity:	3000	Installed:	1968-04-04 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	ALOHA PETROLEUM, LTD. 1132 BISHOP STREET, SUITE 1700 Honolulu, HI 96814		

229  
NE  
1/2-1  
4156 ft.

STRAUB CLINIC & HOSPITAL INC.  
888 S KING ST  
HONOLULU, HI 96813

LUST SPILLS S103872810  
N/A

Relative:  
Higher

LUST:  
Facility ID: 9-100814  
Release ID: 990169  
Facility Status Date: 1999-11-05  
Facility Status: Site Cleanup Completed  
Project Officer: Takaba

Actual:  
12 ft.

HI SPILLS:  
Case Number: 19970129-1303  
Island: Oahu  
Numerical Quantity: 27  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1997-01-29 00:00:00  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Straub Clinic & Hospital  
Unit: Straub Hospital Hydraulic Fluid Leak  
Substances: Hydraulic Fluid  
Incident : The pipe was broken, and the hydraulic elevator oil leaked into the concrete in parking lot. They open the concrete to work on it.  
Oil leak from full reservoir.  
Initial : Oil leak from full reservoir.  
They're working on the concrete. Turn off pressure, drain system and replace a 12-15 foot length of pipe.  
Report : The phone number 522-3580 is Work Control Center. In order to get information on this case, please refer the case #970800185 (assigned by Straub) to them.  
Oil leak from full reservoir.

Case Number: 19970813-1355  
Island: Oahu  
Numerical Quantity: 2  
Less Or Greater Than : <  
Units : Gallons  
Activity Type : Response

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**STRAUB CLINIC & HOSPITAL INC. (Continued)**

EDR ID Number  
EPA ID Number

**S103872810**

Assignment Date : 1997-08-13 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Straub Clinic & Hospital  
Unit: Straub Clinic & Hospital  
Substances: Hydraulic Elevator Oil  
Incident : The pipe was broken, and the hydraulic elevator oil leaked into the concrete in parking lot. They open the concrete to work on it.  
Oil leak from full reservoir.  
Initial : Oil leak from full reservoir.  
They're working on the concrete. Turn off pressure, drain system and replace a 12-15 foot length of pipe.  
Report : The phone number 522-3580 is Work Control Center. In order to get information on this case, please refer the case #970800185 (assigned by Straub) to them.  
Oil leak from full reservoir.

**BA230  
NNE  
1/2-1  
4184 ft.**

**MTL BUS FACILITY  
1133 ALAPAI ST  
HONOLULU, HI 96813**

**LUST U001235067  
UST N/A**

**Site 2 of 2 in cluster BA**

**Relative:  
Higher**

**Actual:  
10 ft.**

**LUST:**

Facility ID: 9-100150  
Release ID: 900069  
Facility Status Date: 1995-10-24  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

**UST:**

Facility ID:	9-100150	Tank ID:	R-A4
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		
Facility ID:	9-100150	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	6000	Installed:	1987-01-21 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		
Facility ID:	9-100150	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	12000	Installed:	1987-01-21 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		
Facility ID:	9-100150	Tank ID:	R-A7
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MTL BUS FACILITY (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235067

Owner: C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION  
650 S KING ST  
Honolulu, HI 96813

Facility ID:	9-100150	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	12000	Installed:	1987-01-21 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-A6
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Not Listed
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-A3
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-A2
Tank Status:	Permanently Out of Use		
Tank Capacity:	5000	Installed:	Not reported
Date Closed:	1991-06-30 00:00:00	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-A1
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Diesel
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	1952-01-21 00:00:00
Date Closed:	Not reported	Substance:	Used Oil
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION 650 S KING ST Honolulu, HI 96813		

Facility ID:	9-100150	Tank ID:	R-A5
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	Not reported
Date Closed:	1990-06-30 00:00:00	Substance:	Not Listed
Owner:	C&C OF HNL - DEPT OF DESIGN AND CONSTRUCTION		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MTL BUS FACILITY (Continued)**

650 S KING ST  
Honolulu, HI 96813

EDR ID Number  
EPA ID Number

Database(s)

**U001235067**

**BC231**  
**East**  
**1/2-1**  
**4260 ft.**

**CENPAC PROPERTIES - OFFICE BUILDING**  
**615 PIIKOI ST**  
**HONOLULU, HI 96814**

**LUST** **S103872802**  
**N/A**

**Relative:**  
**Higher**

**Site 1 of 4 in cluster BC**

LUST:  
Facility ID: 9-103438  
Release ID: 990205  
Facility Status Date: 1999-07-07  
Facility Status: Site Cleanup Completed  
Project Officer: Hodges

**Actual:**  
**3 ft.**

**BC232**  
**East**  
**1/2-1**  
**4260 ft.**

**HONOLULU HARBOR IWILEI DISTRICT PARTICIPATING PART**  
**615 PIIKOI ST**  
**HONOLULU, HI 96814**

**SHWS** **S106820631**  
**N/A**

**Relative:**  
**Higher**

**Site 2 of 4 in cluster BC**

SHWS:  
Supplement : Honolulu Harbor c/o URS Corporation  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2005-02-01 00:00:00  
Activity Lead : Clarence Callahan  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Iwilei District Participating Parties, LLC (IDPP)  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Honolulu Harbor Iwilei  
Sitelist Name : Honolulu Harbor Iwilei

**Actual:**  
**3 ft.**

**BC233**  
**East**  
**1/2-1**  
**4311 ft.**

**RAINBOW CHEVROLET INC**  
**630 PIIKOI ST**  
**HONOLULU, HI 96814**

**RCRA-SQG** **1000307965**  
**FINDS** **HID981621659**  
**LUST**  
**UST**

**Relative:**  
**Higher**

**Site 3 of 4 in cluster BC**

**Actual:**  
**3 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**RAINBOW CHEVROLET INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000307965**

RCRAInfo:

Owner: RAINBOW CHEVROLET INC  
(415) 555-1212  
EPA ID: HID981621659  
Contact: ENVIRONMENTAL MANAGER  
(805) 522-5400

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
HAWAII-UNDERGROUND STORAGE TANK  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

LUST:

Facility ID: 9-101279  
Release ID: 960001  
Facility Status Date: 1996-04-03  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

UST:

Facility ID:	9-101279	Tank ID:	R-5
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1968-05-02 00:00:00
Date Closed:	1995-09-27 00:00:00	Substance:	Gasoline
Owner:	ASAHI JYUKEN (U.S.A.) INC 1440 Kapiolani Blvd. Suite 1200 Honolulu, HI 96814		

Facility ID:	9-101279	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	1968-05-02 00:00:00
Date Closed:	1999-02-23 00:00:00	Substance:	Used Oil
Owner:	ASAHI JYUKEN (U.S.A.) INC 1440 Kapiolani Blvd. Suite 1200 Honolulu, HI 96814		

Facility ID:	9-101279	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	500	Installed:	1968-05-02 00:00:00
Date Closed:	1999-09-23 00:00:00	Substance:	Other
Owner:	ASAHI JYUKEN (U.S.A.) INC 1440 Kapiolani Blvd. Suite 1200 Honolulu, HI 96814		

Facility ID:	9-101279	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	500	Installed:	1968-05-02 00:00:00
Date Closed:	1995-09-27 00:00:00	Substance:	Other
Owner:	ASAHI JYUKEN (U.S.A.) INC 1440 Kapiolani Blvd. Suite 1200 Honolulu, HI 96814		

Facility ID:	9-101279	Tank ID:	R-1
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Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

RAINBOW CHEVROLET INC (Continued)

EDR ID Number  
EPA ID Number

1000307965

Tank Status:	Permanently Out of Use	Installed:	1968-05-02 00:00:00
Tank Capacity:	500	Substance:	Other
Date Closed:	1995-09-27 00:00:00		
Owner:	ASAHI JYUKEN (U.S.A.) INC 1440 Kapiolani Blvd. Suite 1200 Honolulu, HI 96814		

BC234  
East  
1/2-1  
4324 ft.

ALA MOANA UNOCAL  
1322 KAPIOLANI BLVD  
HONOLULU, HI 96814

LUST  
UST  
U001235012  
N/A

Site 4 of 4 in cluster BC

Relative:  
Higher

LUST:

Actual:  
3 ft.

Facility ID:	9-100037
Release ID:	900119
Facility Status Date:	1998-10-30
Facility Status:	Site Cleanup Completed
Project Officer:	Sadoyama

UST:

Facility ID:	9-100037
Tank Status:	Permanently Out of Use
Tank Capacity:	8000
Date Closed:	1990-04-01 00:00:00
Owner:	Tosco Marketing Company P. O. Box 25376 Honolulu, HI 96814

Tank ID:	R-2877-1
Installed:	1967-03-27 00:00:00
Substance:	Gasoline

Facility ID:	9-100037
Tank Status:	Permanently Out of Use
Tank Capacity:	8000
Date Closed:	1992-04-01 00:00:00
Owner:	Tosco Marketing Company P. O. Box 25376 Honolulu, HI 96814

Tank ID:	R-2877-2
Installed:	1967-03-27 00:00:00
Substance:	Gasoline

Facility ID:	9-100037
Tank Status:	Permanently Out of Use
Tank Capacity:	285
Date Closed:	1990-04-01 00:00:00
Owner:	Tosco Marketing Company P. O. Box 25376 Honolulu, HI 96814

Tank ID:	R-2877-4
Installed:	1967-03-27 00:00:00
Substance:	Used Oil

Facility ID:	9-100037
Tank Status:	Permanently Out of Use
Tank Capacity:	12000
Date Closed:	1992-10-06 00:00:00
Owner:	Tosco Marketing Company P. O. Box 25376 Honolulu, HI 96814

Tank ID:	R-2877-5
Installed:	1990-05-31 00:00:00
Substance:	Gasoline

Facility ID:	9-100037
Tank Status:	Permanently Out of Use
Tank Capacity:	12000
Date Closed:	1992-10-06 00:00:00
Owner:	Tosco Marketing Company P. O. Box 25376

Tank ID:	R-2877-6
Installed:	1990-05-31 00:00:00
Substance:	Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ALA MOANA UNOCAL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235012

Honolulu, HI 96814

Facility ID: 9-100037  
Tank Status: Permanently Out of Use  
Tank Capacity: 520  
Date Closed: 1992-10-06 00:00:00  
Owner: Tosco Marketing Company  
P. O. Box 25376  
Honolulu, HI 96814

Tank ID: R-2877-7  
Installed: 1990-05-31 00:00:00  
Substance: Used Oil

235  
North  
1/2-1  
4441 ft.

MELIM BLDG  
333 QUEEN ST  
HONOLULU, HI 96813

LUST  
UST  
U001235247  
N/A

Relative:  
Higher

LUST:  
Facility ID: 9-100812  
Release ID: 910037  
Facility Status Date: 1993-03-06  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Pritchard

Actual:  
10 ft.

UST:  
Facility ID: 9-100812  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1993-03-06 00:00:00  
Owner: MELIM LTD.  
333 QUEEN ST  
Honolulu, HI 96813

Tank ID: R-3  
Installed: 1966-03-20 00:00:00  
Substance: Used Oil

Facility ID: 9-100812  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000  
Date Closed: 1993-03-13 00:00:00  
Owner: MELIM LTD.  
333 QUEEN ST  
Honolulu, HI 96813

Tank ID: R-2  
Installed: 1966-03-20 00:00:00  
Substance: Gasoline

Facility ID: 9-100812  
Tank Status: Permanently Out of Use  
Tank Capacity: 6000  
Date Closed: 1993-03-06 00:00:00  
Owner: MELIM LTD.  
333 QUEEN ST  
Honolulu, HI 96813

Tank ID: R-1  
Installed: 1959-01-01 00:00:00  
Substance: Gasoline

236  
NNW  
1/2-1  
4633 ft.

HARBOR SQUARE ASSOCIATION  
700 RICHARDS ST  
HONOLULU, HI 96813

LUST  
UST  
U003402868  
N/A

Relative:  
Higher

LUST:  
Facility ID: 9-103509  
Release ID: 000055  
Facility Status Date: 2001-03-12  
Facility Status: Site Cleanup Completed  
Project Officer: Ruiz

Actual:  
5 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HARBOR SQUARE ASSOCIATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003402868**

UST:

Facility ID: 9-103509  
Tank Status: Currently In Use  
Tank Capacity: 500  
Date Closed: Not reported  
Owner: AOA HARBOR SQUARE  
700 RICHARD ST  
Honolulu, HI 96813

Tank ID: M-D2  
Installed: 2000-02-26 00:00:00  
Substance: Diesel

Facility ID: 9-103509  
Tank Status: Permanently Out of Use  
Tank Capacity: 285  
Date Closed: 1999-12-21 00:00:00  
Owner: AOA HARBOR SQUARE  
700 RICHARD ST  
Honolulu, HI 96813

Tank ID: R-M-1  
Installed: Not reported  
Substance: Diesel

**237**  
**NNE**  
**1/2-1**  
**4746 ft.**

**BERETANIA STATION**  
**630 S BERETANIA ST**  
**HONOLULU, HI 96843**

**LUST** **U003221567**  
**UST** **N/A**

**Relative:**  
**Higher**

LUST:

Facility ID: 9-100118  
Release ID: 930104  
Facility Status Date: 1993-07-16  
Facility Status: Site Cleanup Completed  
Project Officer: Assigned

**Actual:**  
**10 ft.**

UST:

Facility ID: 9-100118  
Tank Status: Currently In Use  
Tank Capacity: 2500  
Date Closed: Not reported  
Owner: C&C OF HNL - BOARD OF WATER SUPPLY  
630 S BERETANIA ST  
Honolulu, HI 96843

Tank ID: 1  
Installed: 1993-10-01 00:00:00  
Substance: Gasoline

Facility ID: 9-100118  
Tank Status: Currently In Use  
Tank Capacity: 2500  
Date Closed: Not reported  
Owner: C&C OF HNL - BOARD OF WATER SUPPLY  
630 S BERETANIA ST  
Honolulu, HI 96843

Tank ID: 2  
Installed: 1993-10-01 00:00:00  
Substance: Gasoline

Facility ID: 9-100118  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Date Closed: 1992-08-30 00:00:00  
Owner: C&C OF HNL - BOARD OF WATER SUPPLY  
630 S BERETANIA ST  
Honolulu, HI 96843

Tank ID: R-6  
Installed: 1926-12-30 00:00:00  
Substance: Other

Facility ID: 9-100118  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Date Closed: 1992-08-30 00:00:00  
Owner: C&C OF HNL - BOARD OF WATER SUPPLY

Tank ID: R-5  
Installed: 1926-12-30 00:00:00  
Substance: Other

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BERETANIA STATION (Continued)**

EDR ID Number  
EPA ID Number

**U003221567**

630 S BERETANIA ST  
Honolulu, HI 96843

Facility ID:	9-100118	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1960-12-30 00:00:00
Date Closed:	1992-11-24 00:00:00	Substance:	Diesel
Owner:	C&C OF HNL - BOARD OF WATER SUPPLY 630 S BERETANIA ST Honolulu, HI 96843		

Facility ID:	9-100118	Tank ID:	M-3
Tank Status:	Currently In Use		
Tank Capacity:	1000	Installed:	1993-10-01 00:00:00
Date Closed:	Not reported	Substance:	Diesel
Owner:	C&C OF HNL - BOARD OF WATER SUPPLY 630 S BERETANIA ST Honolulu, HI 96843		

**238**  
**East**  
**1/2-1**  
**4812 ft.**

**7-11 MOANALUA**  
**C/O MOANALUA SHOPPING CENTER**  
**HONOLULU, HI 96818**

**LUST** **S103455031**  
**N/A**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-101201  
Release ID: 980229  
Facility Status Date: 2002-03-19  
Facility Status: Site Cleanup Completed  
Project Officer: Fu

**Actual:**  
**3 ft.**

**239**  
**NE**  
**1/2-1**  
**4850 ft.**

**MID PAC PETROLEUM LLC # 2705952**  
**882 S BERETANIA ST**  
**HONOLULU, HI 96813**

**LUST** **U003402799**  
**UST** **N/A**

**Relative:**  
**Higher**

LUST:  
Facility ID: 9-100040  
Release ID: 040051  
Facility Status Date: 2004-10-25  
Facility Status: LUST Cleanup Initiated: Petroleum  
Project Officer: Westerman

**Actual:**  
**26 ft.**

UST:  
Facility ID: 9-100040  
Tank Status: Permanently Out of Use  
Tank Capacity: 550  
Date Closed: 1986-12-01 00:00:00  
Owner: Mid Pac Petroleum LLC  
745 Fort Street, TOPA Financial Center, Suite 1800  
Honolulu, HI 96813

Facility ID:	9-100040	Tank ID:	R-4
Tank Status:	Currently In Use		
Tank Capacity:	15000	Installed:	1955-04-02 00:00:00
Date Closed:	Not reported	Substance:	Used Oil
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MID PAC PETROLEUM LLC # 2705952 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003402799**

Facility ID:	9-100040	Tank ID:	87
Tank Status:	Currently In Use		
Tank Capacity:	15000	Installed:	1995-12-01 00:00:00
Date Closed:	Not reported	Substance:	Gasoline
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Facility ID:	9-100040	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	5000	Installed:	1955-04-02 00:00:00
Date Closed:	1986-12-01 00:00:00	Substance:	Gasoline
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Facility ID:	9-100040	Tank ID:	R-03
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1986-12-23 00:00:00
Date Closed:	1995-07-06 00:00:00	Substance:	Used Oil
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Facility ID:	9-100040	Tank ID:	R-02
Tank Status:	Permanently Out of Use		
Tank Capacity:	12000	Installed:	1986-12-23 00:00:00
Date Closed:	1995-07-06 00:00:00	Substance:	Gasoline
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Facility ID:	9-100040	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	7500	Installed:	1955-04-02 00:00:00
Date Closed:	1986-12-01 00:00:00	Substance:	Gasoline
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Facility ID:	9-100040	Tank ID:	R-01
Tank Status:	Permanently Out of Use		
Tank Capacity:	12000	Installed:	1986-12-23 00:00:00
Date Closed:	1995-07-06 00:00:00	Substance:	Gasoline
Owner:	Mid Pac Petroleum LLC 745 Fort Street, TOPA Financial Center, Suite 1800 Honolulu, HI 96813		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**240**  
**North**  
**1/2-1**  
**4850 ft.**

**KALANIMOKU BLDG**  
**TMK 2-1-24:01 1151 PUNCHBOWL ST**  
**HONOLULU, HI 96800**

**LUST** **S104872298**  
**N/A**

**Relative:** LUST:  
**Higher** Facility ID: 9-102691  
Release ID: 000093  
**Actual:** Facility Status Date: 2000-09-05  
**13 ft.** Facility Status: Site Cleanup Completed  
Project Officer: Takaba

**BD241**  
**East**  
**1/2-1**  
**4869 ft.**

**CUTTER CHEVROLET**  
**1391 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**SHWS** **S106816818**  
**SPILLS** **N/A**

**Site 1 of 2 in cluster BD**

**Relative:** SHWS:  
**Higher** Supplement : 2nd Driveway from Kona Iki St  
**Actual:** Restricted Use : Not reported  
**3 ft.** Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 1999-11-10 00:00:00  
Activity Lead : Steve Mow  
Assignment End Date : 2004-08-11 00:00:00  
End fill : 2004-08-11 00:00:00  
Result fill : Screening No Further Action (NFA)  
Overall Status : SDAR NFA  
File Under : Cutter Chevrolet  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Cutter Chevrolet Hydraulic Lift  
Sitelist Name : Cutter Chevrolet Hydraulic Lift

**HI SPILLS:**

Case Number: 19930217-1348  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1993-02-17 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: 2nd Driveway from Kona Iki St  
Unit: Cutter Chevrolet/Geo, Kona St side  
Substances: Engine Degreaser or Hand Soap  
Incident : Dumping of unknown shop waste on to ground.  
Initial : 2/17/93: OSC on-scene around 210pm. Mel with Bill Reso, Svc Mgr & Rodney Uyeoka,  
assistant. Reso & Uyeoka didn't exactly know what the white-color liquid was.  
They said that it was either wash water from soap or engine degreaser.  
Report : OSC asked Mr Reso to clean up liquid and prevent future occurrences. Mr Reso  
said he'll have someone to clean it up immediately. OSC will drive by after work  
to follow up. Result of follow up: 520pm same day, water puddle was removed.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BD242**  
**East**  
**1/2-1**  
**4869 ft.**

**CUTTER CHEVROLET-GEO-PONTIAC**  
**1391 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**LUST**  
**UST**

**U001235085**  
**N/A**

**Relative:**  
**Higher**

**Site 2 of 2 in cluster BD**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-100185  
Release ID: 950131  
Facility Status Date: 1999-10-26  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

UST:

Facility ID: 9-100185  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Date Closed: 1995-09-02 00:00:00  
Owner: MOTOR SUPPLY LTD  
726 SHERIDAN ST  
Honolulu, HI 96814

Tank ID: R-1  
Installed: 1971-05-03 00:00:00  
Substance: Used Oil

**243**  
**ESE**  
**1/2-1**  
**5018 ft.**

**SEARS ROEBUCK & COMPANY #1158**  
**1450 ALA MOANA BLVD #1000**  
**HONOLULU, HI 96814**

**LUST**  
**SPILLS**  
**UST**

**U001235603**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**3 ft.**

Facility ID: 9-101837  
Release ID: 930057  
Facility Status Date: 1998-10-06  
Facility Status: Site Cleanup Completed  
Project Officer: Sadoyama

HI SPILLS:

Case Number: 20001102-1124  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2000-11-02 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Ala Moana Center, cleaning chemicals  
Substances: Not reported  
Incident : Shopping Mall is cleaning the mall with cleaning chemicals and then hosing down the mall with water and letting it run into the storm drains.  
Initial : None  
Report : None

UST:

Facility ID: 9-101837  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Date Closed: 1994-02-01 00:00:00  
Owner: D/E HAWAII c/o EQUITABLE LIFE  
SOCIETY OF THE U.S. / 787 SEVENTH AVENUE  
Honolulu, HI 96814

Tank ID: R-4  
Installed: 1959-05-07 00:00:00  
Substance: Other

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

SEARS ROEBUCK & COMPANY #1158 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001235603

Facility ID:	9-101837	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Other
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Facility ID:	9-101837	Tank ID:	R-6
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Other
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Facility ID:	9-101837	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Other
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Facility ID:	9-101837	Tank ID:	R-7
Tank Status:	Permanently Out of Use		
Tank Capacity:	3000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Other
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Facility ID:	9-101837	Tank ID:	R-5
Tank Status:	Permanently Out of Use		
Tank Capacity:	4000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Other
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Facility ID:	9-101837	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	2000	Installed:	1959-05-07 00:00:00
Date Closed:	1994-02-01 00:00:00	Substance:	Used Oil
Owner:	D/E HAWAII c/o EQUITABLE LIFE SOCIETY OF THE U.S. / 787 SEVENTH AVENUE Honolulu, HI 96814		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Database(s)

**244**  
**East**  
**> 1**  
**5342 ft.**

**HAKUYOSHA HAWAII, INC**  
**730 SHERIDAN ST**  
**HONOLULU, HI 96814**

**SHWS**  
**SPILLS**

**S106817254**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**6 ft.**

SHWS:

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2004-06-11 00:00:00  
Activity Lead : Unassigned (low)  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Hakuyosha Hawaii Inc.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Hakuyosha Hawaii, Inc.  
Sitelist Name : Hakuyosha Hawaii, Inc.

HI SPILLS:

Case Number: 19950303  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1995-03-03 00:00:00  
Activity Lead : Bryce Hataoka  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Hakuyosha Hawaii Inc.  
Substances: Diesel Fuel  
Incident : After removal of 1000 gal diesel tank, free product/visual contam was found along w/holes in tank. Aprox. 210 gal free product was recovered. Contam soil buried in excavation w/in 40 ml lining. Lateral extent of contam not determined. No treatment.  
Initial : Tank removed. approx. 210 gal diesel removed. Area lined and contam soil placed back in hole.  
Report : Tank removed. approx. 210 gal diesel removed. Area lined and contam soil placed back in hole.

**245**  
**ENE**  
**> 1**  
**5452 ft.**

**1012 PIIKOI STREET, ANIN-PIIKOI BUILDING**  
**1012 PIIKOI ST**  
**HONOLULU, HI 96814**

**SHWS**  
**SPILLS**  
**INST CONTROL**

**S106815117**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**12 ft.**

SHWS:

Supplement : Anin-Piikoi Building  
Restricted Use : This site is available for unrestricted use.  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Removal  
Assignment Date : 2003-10-08 00:00:00  
Activity Lead : Mark Sutterfield

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

1012 PIIKOI STREET, ANIN-PIIKOI BUILDING (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106815117

Assignment End Date : 2004-03-16 00:00:00  
End fill : 2004-03-16 00:00:00  
Result fill : No Further Action (NFA)-Unrestricted Use (HHA shows no sign of risk)  
Overall Status : SDAR NFA  
File Under : SCI Noel  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Anin-Piikoi Building Site  
Sitelist Name : Anin-Piikoi Building Site

HI INSTUTIONAL CONTROL:

Facility Addr 2: Not reported  
File Under: SCI Noel  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported

HI SPILLS:

Case Number: 20020523-1051  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2002-04-19 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : 2003-11-25 00:00:00  
Result : 8  
Supplemental Loc. Text: Anin-Piikoi Building  
Unit: Anin-Piikoi Building Chemical Spill  
Substances: dieldrin  
Incident : Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels.  
Initial : Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Report : Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha

Case Number: 20020523-1051  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

1012 PIIKOI STREET, ANIN-PIIKOI BUILDING (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106815117

Activity Type : Response  
Assignment Date : 2002-04-19 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : 2003-11-25 00:00:00  
Result : 8  
Supplemental Loc. Text: Anin-Piikoi Building  
Unit: Anin-Piikoi Building Chemical Spill  
Substances: fluoranthene  
Incident : Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels.  
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Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Report : Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha

Case Number: 20020523-1051  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 2002-04-19 00:00:00  
Activity Lead : Terry Corpus  
Assignment End Date : 2003-11-25 00:00:00  
Result : 8  
Supplemental Loc. Text: Anin-Piikoi Building  
Unit: Anin-Piikoi Building Chemical Spill  
Substances: Chlordane  
Incident : Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels. Presumed release was discovered after the laboratory analysis of soil samples collected on April 19, 2002, form stained soil indicated the presence of Chlordane, dieldrin, and fluoranthene exceeding Tier 1 Soil Action Levels.  
Initial : Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

1012 PIIKOI STREET, ANIN-PIIKOI BUILDING (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106815117

Report : indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have  
indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have  
indicated that Terry sent it to ISST.-Marsha  
Since this investigation has been picked up by the SDAR Section, I have  
indicated that Terry sent it to ISST.-Marsha

246  
North  
> 1  
5580 ft.

CHEVRON USA, INC.  
1001 BISHOP ST  
HONOLULU, HI 96813

SHWS 1006820046  
FINDS 110013779321

Relative:  
Higher

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

Actual:  
10 ft.

SHWS:  
Supplement : Pauahi Tower  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-07-26 00:00:00  
Activity Lead : Laura Young  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Chevron USA, Inc.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Chevron USA, Inc.  
Sitelist Name : Chevron USA, Inc.

247  
NNW  
> 1  
5705 ft.

HARBOR COURT  
66 QUEEN ST  
HONOLULU, HI 96813

SHWS 1006820894  
FINDS 110013789212

Relative:  
Higher

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

Actual:  
6 ft.

SHWS:  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : Not reported  
Activity Type : ISST  
Assignment Date : 1994-12-15 00:00:00  
Activity Lead : Unknown  
Assignment End Date : 1994-12-21 00:00:00  
End fill : 1994-12-21 00:00:00  
Result fill : NFA  
Overall Status : SDAR NFA  
File Under : Harbor Court

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**HARBOR COURT (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1006820894**

Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Harbor Court  
Sitelist Name : Harbor Court

**248**  
**East**  
**> 1**  
**5819 ft.**

**LIKE LIKE PLAZA PETROLEUM CONTAMINATION**  
**745 KEEAUMOKU ST**  
**HONOLULU, HI 96814**

**SHWS 1006819347**  
**FINDS 110013771383**

**Relative:**  
**Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**7 ft.**

**SHWS:**  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2003-10-13 00:00:00  
Activity Lead : Unassigned (low)  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Like Like Plaza  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Like Like Plaza Petroleum Contamination  
Sitelist Name : Like Like Plaza Petroleum Contamination

**249**  
**East**  
**> 1**  
**5940 ft.**

**1551 KAPIOLANI BOULEVARD**  
**1551 KAPIOLANI BLVD**  
**HONOLULU, HI 96814**

**SHWS 1006820394**  
**FINDS 110013783469**  
**SPILLS**

**Relative:**  
**Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : Not reported  
Activity Type : Unregulated UST  
Assignment Date : 2004-10-26 00:00:00  
Activity Lead : John Peard  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : CEC Hawaii, Inc.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : New Office Lounge

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

1551 KAPIOLANI BOULEVARD (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Site	New Office Lounge
------	-------------------

HI SPILLS:

Case Number:	19920405-2
Island:	Oahu
Numerical Quantity:	20
Less Or Greater Than :	Not reported
Units :	Gallons
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Not reported
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	1551 Kapiolani Blvd, line blockage of grease
Substances:	Sewage Spill
Incident :	Line Blockage ( Grease ) causing 20+ Gallons sewage spillover sewage spill 20 gallons, 5 gallons into the storm drain, of sewage spilled.
Initial :	Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of sewage was recovered. Case Closed to File. removed blockage, cleaned, disinfected, deodorized Cleaned, disinfected and deodorized.
Report :	Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of sewage was recovered. Case Closed to File. removed blockage, cleaned, disinfected, deodorized Honolulu City and County After Hours Sewage Maint. "Cleaned and Disinfected" the affected area.

Case Number:	19940905-2
Island:	Oahu
Numerical Quantity:	20
Less Or Greater Than :	Not reported
Units :	Gallons
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Not reported
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	1551 Kapiolani Blvd, sewage spill
Substances:	sewage
Incident :	Line Blockage ( Grease ) causing 20+ Gallons sewage spillover sewage spill 20 gallons, 5 gallons into the storm drain, of sewage spilled.
Initial :	Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of sewage was recovered. Case Closed to File. removed blockage, cleaned, disinfected, deodorized Cleaned, disinfected and deodorized.
Report :	Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of sewage was recovered. Case Closed to File. removed blockage, cleaned, disinfected, deodorized Honolulu City and County After Hours Sewage Maint. "Cleaned and Disinfected" the affected area.

Case Number:	19970622-0950
Island:	Oahu
Numerical Quantity:	20

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

1551 KAPIOLANI BOULEVARD (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006820394

Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1997-08-13 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: 1551 Kapiolani Blvd, 5 gallons into storm drain  
Substances: Sewage  
Incident : Line Blockage ( Grease ) causing 20+ Gallons sewage spillover  
sewage spill  
20 gallons, 5 gallons into the storm drain, of sewage spilled.  
Initial : Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of  
sewage was recovered. Case Closed to File.  
removed blockage, cleaned, disinfected, deodorized  
Cleaned, disinfected and deodorized.  
Report : Line was cleared by C & C Sewage Maintenance Crew. Approximately 20 Gals of  
sewage was recovered. Case Closed to File.  
removed blockage, cleaned, disinfected, deodorized  
Honolulu City and County After Hours Sewage Maint. "Cleaned and Disinfected" the  
affected area.

250  
North  
> 1  
6035 ft.

CAPITOL PLACE DEVELOPMENTAL PROJECT  
1212 QUEEN EMMA ST  
HONOLULU, HI 96813

SHWS S106816666  
N/A

Relative:  
Higher

SHWS:

Actual:  
23 ft.

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2005-04-13 00:00:00  
Activity Lead : Eric Sadoyama  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : PMK Development LLC  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Capitol Place Developmental Project  
Sitelist Name : Capitol Place Developmental Project

251  
NNE  
> 1  
6046 ft.

1510 FREAR STREET  
1510 FREAR ST  
HONOLULU, HI 96813

SHWS S107022534  
INST CONTROL N/A

Relative:  
Higher

SHWS:

Actual:  
97 ft.

Supplement : Not reported  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1510 FREAR STREET (Continued)**

**S107022534**

Activity Type : Remedial  
Assignment Date : 2005-04-13 00:00:00  
Activity Lead : Eric Sadoyama  
Assignment End Date : 2005-07-15 00:00:00  
End fill : 2005-07-15 00:00:00  
Result fill : No Further Action (NFA)-Unrestricted Use  
Overall Status : Ongoing  
File Under : 1510A Frear Street  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : 1510A Frear Street  
Sitelist Name : 1510A Frear Street

**HI INSTUTIONAL CONTROL:**

Facility Addr 2: Unit A  
File Under: 1510A Frear Street  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: Not reported  
IC Relied on in Remedy: Not reported

**252  
ENE  
> 1  
6152 ft.**

**SCHUMAN CARRIAGE MOTORS, LTD.  
1234 S BERETANIA ST  
HONOLULU, HI 96814**

**SHWS U003221663  
LUST N/A  
SPILLS  
UST**

**Relative:  
Higher**

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : ISST  
Assignment Date : 2002-01-31 00:00:00  
Activity Lead : Richard Palmer  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Schumann Carriage  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Schuman Carriage Hydraulic Fluid Release  
Sitelist Name : Schuman Carriage Hydraulic Fluid Release

**LUST:**

Facility ID: 9-101276  
Release ID: 000024  
Facility Status Date: 1999-12-14  
Facility Status: Disconfirmed Release  
Project Officer: Maniulit

Facility ID: 9-101276  
Release ID: 900058  
Facility Status Date: 2000-04-19  
Facility Status: Site Cleanup Completed  
Project Officer: Maniulit

**HI SPILLS:**

Case Number: 19991210-1047  
Island: Oahu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**SCHUMAN CARRIAGE MOTORS, LTD. (Continued)**

**U003221663**

Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : 1999-12-10 00:00:00  
Activity Lead : Liz Galvez  
Assignment End Date : Not reported  
Result : 7  
Supplemental Loc. Text: Not reported  
Unit: Schuman Carriage  
Substances: Hydraulic Fluid  
Incident : Suspected fuel spill. Test of soil indicated hydraulic liquid while drilling under cement canopy of service area at Schuman Carriage. 10K THP pmg/pkg. Sample taken from approx. 10 ft from ground surface. 12/22/99 Will file report with UST (Renato Man iulit)  
Initial : Suspected fuel spill. Test of soil indicated hydraulic liquid while drilling under cement canopy of service area at Schuman Carriage. 10K THP pmg/pkg. Sample taken from approx. 10 ft from ground surface. 12/22/99 Will file report with UST (Renato Man iulit)  
Report : Suspected fuel spill. Test of soil indicated hydraulic liquid while drilling under cement canopy of service area at Schuman Carriage. 10K THP pmg/pkg. Sample taken from approx. 10 ft from ground surface. 12/22/99 Will file report with UST (Renato Man iulit)

UST:

Facility ID:	9-101276	Tank ID:	R-1
Tank Status:	Permanently Out of Use		
Tank Capacity:	3000	Installed:	1961-05-05 00:00:00
Date Closed:	1999-11-09 00:00:00	Substance:	Gasoline
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420 Honolulu, HI 96814		
Facility ID:	9-101276	Tank ID:	R-6
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1961-05-05 00:00:00
Date Closed:	1990-12-01 00:00:00	Substance:	Other
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420 Honolulu, HI 96814		
Facility ID:	9-101276	Tank ID:	R-4
Tank Status:	Permanently Out of Use		
Tank Capacity:	500	Installed:	1961-05-05 00:00:00
Date Closed:	1990-12-01 00:00:00	Substance:	Used Oil
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420 Honolulu, HI 96814		
Facility ID:	9-101276	Tank ID:	r-5
Tank Status:	Permanently Out of Use		
Tank Capacity:	1000	Installed:	1990-03-01 00:00:00
Date Closed:	2005-01-26 00:00:00	Substance:	Used Oil
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SCHUMAN CARRIAGE MOTORS, LTD. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003221663**

Honolulu, HI 96814

Facility ID:	9-101276	Tank ID:	R-2
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1961-05-05 00:00:00
Date Closed:	1999-11-08 00:00:00	Substance:	Other
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420 Honolulu, HI 96814		

Facility ID:	9-101276	Tank ID:	R-3
Tank Status:	Permanently Out of Use		
Tank Capacity:	550	Installed:	1961-05-05 00:00:00
Date Closed:	1999-11-08 00:00:00	Substance:	Other
Owner:	SCHUMAN CARRIAGE MOTORS, LTD. 1234 S BERETANIA STP.O. BOX 2420 Honolulu, HI 96814		

**253**  
**NW**  
**> 1**  
**6514 ft.**

**SAND ISLAND BUSINESS ASSOCIATION LOT 023**  
**1020 ULUPONO ST**  
**HONOLULU, HI 96819**

**SHWS 1006820004**  
**FINDS 110013778830**

**Relative:**  
**Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	ISST
Assignment Date :	2001-11-21 00:00:00
Activity Lead :	Laura Young
Assignment End Date :	2002-07-08 00:00:00
End fill :	2002-07-08 00:00:00
Result fill :	NFA
Overall Status :	SDAR NFA
File Under :	DF Builder, Corporation
Restricted Use Comm :	Not reported
Is Relied On In Remedy :	Not reported
Unit :	Sand Island Business Association Lot 023 AST
Sitelist Name :	Sand Island Business Association Lot 023 AST

**254**  
**ESE**  
**> 1**  
**6605 ft.**

**YACHT HARBOR TOWERS**  
**1600 ALA MOANA BLVD**  
**HONOLULU, HI 96815**

**SHWS S106821166**  
**SPILLS N/A**

**Relative:**  
**Equal**

**SHWS:**

Supplement :	Yacht Harbor Towers
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	Remedial
Assignment Date :	2003-10-13 00:00:00

**Actual:**  
**2 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**YACHT HARBOR TOWERS (Continued)**

**S106821166**

Activity Lead : Steve Mow  
Assignment End Date : 2005-05-02 00:00:00  
End fill : 2005-05-02 00:00:00  
Result fill : No Further Action (NFA)-Cleanup Goals Achieved (Removal)  
Overall Status : SDAR NFA  
File Under : Yacht Harbor Towers  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Yacht Harbor Towers Generator  
Sitelist Name : Yacht Harbor Towers Generator

**HI SPILLS:**

Case Number: 19990301-1550  
Island: Oahu  
Numerical Quantity: 60  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1999-03-01 00:00:00  
Activity Lead : Mike Cripps  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Yacht Harbor Towers  
Unit: Yacht Harbor Tower Generator  
Substances: Unknown  
Incident : Above ground generator and diesel tank, Sept 30, 1998. Release thru generator.  
Pacific Machinery installed generator.  
Initial : Original removal left contamination. Generator on slab, operator trying not to  
disturb generator mounting. But contamination of 11,000 ppm TPH diesel remains.  
Masa Fujoika to determine extent of contamination.  
Report : Copy sent to remediation.

255  
NW  
> 1  
6745 ft.

**USCG BASE HONOLULU  
400 SAND ISLAND PKWY  
HONOLULU, HI 96819**

**SHWS 1006819485  
FINDS 110013772916  
SPILLS**

**Relative:  
Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:  
3 ft.**

**SHWS:**  
Supplement : Coast Guard Base Honolulu  
Restricted Use : Not reported  
Fed Id : HID984469890  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Screening  
Assignment Date : 2004-05-20 00:00:00  
Activity Lead : John Peard  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : United States, Department of Transportation, Coast Guard  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : U.S. Coast Guard Base Honolulu  
Sitelist Name : U.S. Coast Guard Base Honolulu

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

HI SPILLS:

Case Number: 19920612-1  
Island: Oahu  
Numerical Quantity: 1  
Less Or Greater Than : <  
Units : Gallons  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Coast Guard Base Honolulu  
Unit: USCG Vessel Washington at Sand Island Site  
Substances: Diesel Fuel ( 1 x 10 Sheen )

Incident : Diesel spill from USCG Vessel.  
Possible Diesel Sheen Trail left by USCG Vessel Mallow which was the affected area.  
While fueling CGC Kiska spilled approx. 1.5 gals fuel oil into Honolulu harbor  
Hydraulic Oil Spill (1 qt.)  
Working with a contractor crew and a hydraulic line broke.  
Oily water separator testing released material to the ocean creating a 2 foot by 40 foot black sheen.  
Faulty valve on bilge eductor or pump.  
A valve developed a leak which resulted in a 20 ounce waste oil release overboard. Rainbow sheen 30 foot by 1 foot.  
Pile driver hydraulic line broke, releasing oil into harbor.  
Caller reported a heavy smell of diesel to MSO/ Suspect it is related to earlier spill of diesel by Hawaiian Tug and Barge.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Initial : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Old non-recoverable fuel.  
USCG Kiska Crew and MSO Honolulu reps. placed sorbent boom and pads to recover spilled fuel oil. Cleanup completed, spent sorbents disposed of properly  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Spill was contained in a boom. Sand Wan Construction hired a contractor hired to cleanup spill.  
Boomed.  
Cleaned up with adsorbant pads.  
Approx 1 quart hydraulic oil spilled from a line into the water at the USCG Boathouse pier reconstruction project. The oil was contained within sheet pile slurry walls. USCG Contractors responded, absorbed/cleaned the spill, disposed of sorbents properly.  
Report : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Mystery spill. Sheen. Old product leaching?  
USCG contractor spilled approx. 1 qt hydraulic oil into water at Sand Island boathouse slip. Line ruptue. Spill contained within reconstruction project sheet pile. USCG/contractor cleaned and disposed of properly. Notified CWB (permitted ops)  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
Remedial Action: Small boat & HH65 launched to search for diver. Army divers have been requested to search the pier and all floating units. No other info in the command center brief.  
Received HEER Office Initial Release Notification Form from Terry Corpus with the determination to NFA the site. However an Official Notification requiring written followup is still required.  
Boomed.  
No oil released to the water.  
USCG Kiska Released approx. 1.5 gals. of fuel oil into Honolulu Harbor, USCG cleaned via sorbents and disposed of properly. slight sheen dissipated with the on-scene weather conditions. A follow up report is not necessary. Federal vessels are exempt from

Case Number: 19920904  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Coast Guard Base Honolulu  
Unit: USCG Vessel Mallow off the Launch Slip & Boat House at Sand Island.  
Substances: Diesel Fuel ( Heavy Sheen )

Incident : Diesel spill from USCG Vessel.  
Possible Diesel Sheen Trail left by USCG Vessel Mallow which was the affected area.  
While fueling CGC Kiska spilled approx. 1.5 gals fuel oil into Honolulu harbor  
Hydraulic Oil Spill (1 qt.)  
Working with a contractor crew and a hydraulic line broke.  
Oily water separator testing released material to the ocean creating a 2 foot by 40 foot black sheen.  
Faulty valve on bilge eductor or pump.  
A valve developed a leak which resulted in a 20 ounce waste oil release overboard. Rainbow sheen 30 foot by 1 foot.  
Pile driver hydraulic line broke, releasing oil into harbor.  
Caller reported a heavy smell of diesel to MSO/ Suspect it is related to earlier spill of diesel by Hawaiian Tug and Barge.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Initial : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Old non-recoverable fuel.  
USCG Kiska Crew and MSO Honolulu reps. placed sorbent boom and pads to recover spilled fuel oil. Cleanup completed, spent sorbents disposed of properly  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Spill was contained in a boom. Sand Wan Construction hired a contractor hired to cleanup spill.  
Boomed.  
Cleaned up with adsorbant pads.  
Approx 1 quart hydraulic oil spilled from a line into the water at the USCG Boathouse pier reconstruction project. The oil was contained within sheet pile slurry walls. USCG Contractors responded, absorbed/cleaned the spill, disposed of sorbents properly.  
Report : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Mystery spill. Sheen. Old product leaching?  
USCG contractor spilled approx. 1 qt hydraulic oil into water at Sand Island boathouse slip. Line ruptue. Spill contained within reconstruction project sheet pile. USCG/contractor cleaned and disposed of properly. Notified CWB (permitted ops)  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
Remedial Action: Small boat & HH65 launched to search for diver. Army divers have been requested to search the pier and all floating units. No other info in the command center brief.  
Received HEER Office Initial Release Notification Form from Terry Corpus with the determination to NFA the site. However an Official Notification requiring written followup is still required.  
Boomed.  
No oil released to the water.  
USCG Kiska Released approx. 1.5 gals. of fuel oil into Honolulu Harbor, USCG cleaned via sorbents and disposed of properly. slight sheen dissipated with the on-scene weather conditions. A follow up report is not necessary. Federal vessels are exempt from

Case Number: 19931222-2  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Coast Guard Base Honolulu  
Unit: Sand Island Coast Guard Base  
Substances: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Incident : Diesel spill from USCG Vessel.  
Possible Diesel Sheen Trail left by USCG Vessel Mallow which was the affected area.  
While fueling CGC Kiska spilled approx. 1.5 gals fuel oil into Honolulu harbor  
Hydraulic Oil Spill (1 qt.)  
Working with a contractor crew and a hydraulic line broke.  
Oily water separator testing released material to the ocean creating a 2 foot by 40 foot black sheen.  
Faulty valve on bilge eductor or pump.  
A valve developed a leak which resulted in a 20 ounce waste oil release overboard. Rainbow sheen 30 foot by 1 foot.  
Pile driver hydraulic line broke, releasing oil into harbor.  
Caller reported a heavy smell of diesel to MSO/ Suspect it is related to earlier spill of diesel by Hawaiian Tug and Barge.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.

Initial : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Old non-recoverable fuel.  
USCG Kiska Crew and MSO Honolulu reps. placed sorbent boom and pads to recover spilled fuel oil. Cleanup completed, spent sorbents disposed of properly  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Spill was contained in a boom. Sand Wan Construction hired a contractor hired to cleanup spill.  
Boomed.  
Cleaned up with adsorbant pads.  
Approx 1 quart hydraulic oil spilled from a line into the water at the USCG Boathouse pier reconstruction project. The oil was contained within sheet pile slurry walls. USCG Contractors responded, absorbed/cleaned the spill, disposed of sorbents properly.

Report : USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Mystery spill. Sheen. Old product leaching?  
USCG contractor spilled approx. 1 qt hydraulic oil into water at Sand Island boathouse slip. Line ruptue. Spill contained within reconstruction project sheet pile. USCG/contractor cleaned and disposed of properly. Notified CWB (permitted ops)  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
Remedial Action: Small boat & HH65 launched to search for diver. Army divers have been requested to search the pier and all floating units. No other info in the command center brief.  
Received HEER Office Initial Release Notification Form from Terry Corpus with the determination to NFA the site. However an Official Notification requiring written followup is still required.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Boomed.  
No oil released to the water.  
USCG Kiska Released approx. 1.5 gals. of fuel oil into Honolulu Harbor, USCG cleaned via sorbents and disposed of properly. slight sheen dissipated with the on-scene weather conditions. A follow up report is not necessary. Federal vessels are exempt from

Case Number: 19960827-1220  
Island: Oahu  
Numerical Quantity: 1.5  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : 1996-08-27 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Coast Guard Base Honolulu  
Unit: USCGC Kiska USCG Base Sand Island, ECHO Pier  
Substances: Fuel Oil  
Incident :

Diesel spill from USCG Vessel.  
Possible Diesel Sheen Trail left by USCG Vessel Mallow which was the affected area.  
While fueling CGC Kiska spilled approx. 1.5 gals fuel oil into Honolulu harbor  
Hydraulic Oil Spill (1 qt.)  
Working with a contractor crew and a hydraulic line broke.  
Oily water separator testing released material to the ocean creating a 2 foot by 40 foot black sheen.  
Faulty valve on bilge eductor or pump.  
A valve developed a leak which resulted in a 20 ounce waste oil release overboard. Rainbow sheen 30 foot by 1 foot.  
Pile driver hydraulic line broke, releasing oil into harbor.  
Caller reported a heavy smell of diesel to MSO/ Suspect it is related to earlier spill of diesel by Hawaiian Tug and Barge.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Old non-recoverable fuel.  
USCG Kiska Crew and MSO Honolulu reps. placed sorbent boom and pads to recover spilled fuel oil. Cleanup completed, spent sorbents disposed of properly  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away.  
Spill was contained in a boom. Sand Wan Construction hired a contractor hired to cleanup spill.  
Boomed.  
Cleaned up with adsorbant pads.  
Approx 1 quart hydraulic oil spilled from a line into the water at the USCG Boathouse pier reconstruction project. The oil was contained within sheet pile

Initial :



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Report : slurry walls. USCG Contractors responded, absorbed/cleaned the spill, disposed of sorbents properly.  
USCG Vessel Washington used Sorbents to clean-up Spill.  
USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed.  
Mystery spill. Sheen. Old product leaching?  
USCG contractor spilled approx. 1 qt hydraulic oil into water at Sand Island boathouse slip. Line ruptue. Spill contained within reconstruction project sheet pile. USCG/contractor cleaned and disposed of properly. Notified CWB (permitted ops)  
Stopped discharge.  
Release was secured. Used sorbent boom to recover spilled oil.  
Response team is on scene.  
Remedial Action: Small boat & HH65 launched to search for diver. Army divers have been requested to search the pier and all floating units. No other info in the command center brief.  
Received HEER Office Initial Release Notification Form from Terry Corpus with the determination to NFA the site. However an Official Notification requiring written followup is still required.  
Boomed.  
No oil released to the water.  
USCG Kiska Released approx. 1.5 gals. of fuel oil into Honolulu Harbor, USCG cleaned via sorbents and disposed of properly. slight sheen dissipated with the on-scene weather conditions. A follow up report is not necessary. Federal vessels are exempt from

Case Number: 19970320-1005  
Island: Oahu  
Numerical Quantity: 1  
Less Or Greater Than : Not reported  
Units : Quarts  
Activity Type : Response  
Assignment Date : 1997-03-20 00:00:00  
Activity Lead : Bill Perry  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Coast Guard Base Honolulu  
Unit: USCG Sand Island Boathouse Pier Replacement Project  
Substances: Hydraulic Oil  
Incident : Diesel spill from USCG Vessel.  
Possible Diesel Sheen Trail left by USCG Vessel Mallow which was the affected area.  
While fueling CGC Kiska spilled approx. 1.5 gals fuel oil into Honolulu harbor  
Hydraulic Oil Spill (1 qt.)  
Working with a contractor crew and a hydraulic line broke.  
Oily water separator testing released material to the ocean creating a 2 foot by 40 foot black sheen.  
Faulty valve on bilge eductor or pump.  
A valve developed a leak which resulted in a 20 ounce waste oil release overboard. Rainbow sheen 30 foot by 1 foot.  
Pile driver hydraulic line broke, releasing oil into harbor.  
Caller reported a heavy smell of diesel to MSO/ Suspect it is related to earlier spill of diesel by Hawaiian Tug and Barge.  
The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

USCG BASE HONOLULU (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819485

Initial : diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away. USCG Vessel Washington used Sorbents to clean-up Spill. USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed. Old non-recoverable fuel. USCG Kiska Crew and MSO Honolulu reps. placed sorbent boom and pads to recover spilled fuel oil. Cleanup completed, spent sorbents disposed of properly. Stopped discharge. Release was secured. Used sorbent boom to recover spilled oil. Response team is on scene. The NRC received a brief from the Coast Guard Cmd Ctr concerning a suspicious diver observed by a station Honolulu watchstander. Diver had nothing other than diving equip. Watchstander made eye contact w/ indiv, the diver swam away. Spill was contained in a boom. Sand Wan Construction hired a contractor hired to cleanup spill. Boomed. Cleaned up with adsorbant pads. Approx 1 quart hydraulic oil spilled from a line into the water at the USCG Boathouse pier reconstruction project. The oil was contained within sheet pile slurry walls. USCG Contractors responded, absorbed/cleaned the spill, disposed of sorbents properly.

Report : USCG Vessel Washington used Sorbents to clean-up Spill. USCG conducted investigation of area & reported that the Small Boat Station at Sand Island was deploying Sorbent Sweeps with Pads & that the Sheen Clean-Up was satisfactorily completed. Mystery spill. Sheen. Old product leaching? USCG contractor spilled approx. 1 qt hydraulic oil into water at Sand Island boathouse slip. Line ruptue. Spill contained within reconstruction project sheet pile. USCG/contractor cleaned and disposed of properly. Notified CWB (permitted ops) Stopped discharge. Release was secured. Used sorbent boom to recover spilled oil. Response team is on scene. Remedial Action: Small boat & HH65 launched to search for diver. Army divers have been requested to search the pier and all floating units. No other info in the command center brief. Received HEER Office Initial Release Notification Form from Terry Corpus with the determination to NFA the site. However an Official Notification requiring written followup is still required. Boomed. No oil released to the water. USCG Kiska Released approx. 1.5 gals. of fuel oil into Honolulu Harbor, USCG cleaned via sorbents and disposed of properly. slight sheen dissipated with the on-scene weather conditions. A follow up report is not necessary. Federal vessels are exempt from These are the most recent HI Spills records for this site.

[Click this hyperlink](#) while viewing on your computer to access 7 additional HI Spills record(s) in the EDR Site Report.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Database(s)

256  
ENE  
> 1  
6799 ft.  
**MEADOW GOLD DAIRIES (ICE CREAM PLANT)**  
**1418 YOUNG ST**  
**HONOLULU, HI 96814**

**SHWS**  
**SPILLS**  
**S104657475**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**20 ft.**

**SHWS:**

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	Not reported
Agreement/program :	State Site
Activity Type :	Remedial
Assignment Date :	2003-10-13 00:00:00
Activity Lead :	Unassigned (low)
Assignment End Date :	Not reported
End fill :	2005-08-24 00:00:00
Result fill :	Ongoing
Overall Status :	Ongoing
File Under :	Meadow Gold Dairies, Division of Southern Foods Group, LP
Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	Not reported
Unit :	Meadow Gold Ice Cream Plant Fuel Oil Spill
Sitelist Name :	Meadow Gold Ice Cream Plant Fuel Oil Spill

**HI SPILLS:**

Case Number:	19890208
Island:	Oahu
Numerical Quantity:	25
Less Or Greater Than :	<
Units :	Pounds
Activity Type :	Response
Assignment Date :	Not reported
Activity Lead :	Not reported
Assignment End Date :	Not reported
Result :	8
Supplemental Loc. Text:	Not reported
Unit:	KEEAUMOKU ST.
Substances:	Ammonia

Incident : Ammonia leak  
AMMONIA LEAK FROM MEADOW GOLD DAIRY  
AMMONIA LEAK AT MEADOW GOLD ICE CREAM PLANT.  
AMMONIA RELEASE FROM REFRIGERATION UNIT  
AMMONIA GAS LEAK @ 375 S King St  
Faulty valve caused ammonia release during maintenance of line. Valves were shut, but not totally sealed when the line was cut, ammonia was released.  
No. 6 Fuel Oil (CAS 68553004) was released during boiler repair work. Found some product yesterday at 5:00 and discovered stained soil today upon excavating to 10 or 12 feet. Estimate 500 gallons was released.  
Seam broken in freezer inside bldg.  
Initial : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
LEAK STOPPED BY REPAIRMAN.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
Contacted Brewer Environmental Consultants.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MEADOW GOLD DAIRIES (ICE CREAM PLANT) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104657475

Report : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK STOPPED BY REPAIRMAN.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
ISST has ranked site.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.

Case Number: 19901224  
Island: Oahu  
Numerical Quantity: 250  
Less Or Greater Than : Not reported  
Units : Pounds  
Activity Type : Response  
Assignment Date : 1990-12-24 00:00:00  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Meadow Gold Ammonia Leak from Chiller  
Substances: Ammonia

Incident : Ammonia leak  
AMMONIA LEAK FROM MEADOW GOLD DAIRY  
AMMONIA LEAK AT MEADOW GOLD ICE CREAM PLANT.  
AMMONIA RELEASE FROM REFRIGERATION UNIT  
AMMONIA GAS LEAK @ 375 S King St  
Faulty valve caused ammonia release during maintenance of line. Valves were shut, but not totally sealed when the line was cut, ammonia was released.  
No. 6 Fuel Oil (CAS 68553004) was released during boiler repair work. Found some product yesterday at 5:00 and discovered stained soil today upon excavating to 10 or 12 feet. Estimate 500 gallons was released.  
Seam broken in freezer inside bldg.

Initial : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
LEAK STOPPED BY REPAIRMAN.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
Contacted Brewer Environmental Consultants.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.

Report : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK STOPPED BY REPAIRMAN.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
ISST has ranked site.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MEADOW GOLD DAIRIES (ICE CREAM PLANT) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104657475

system.

Case Number: 19900904-1  
Island: Oahu  
Numerical Quantity: 200  
Less Or Greater Than : Not reported  
Units : Pounds  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: YOUNG ST. 1418  
Substances: Ammonia  
Incident : Ammonia leak  
AMMONIA LEAK FROM MEADOW GOLD DAIRY  
AMMONIA LEAK AT MEADOW GOLD ICE CREAM PLANT.  
AMMONIA RELEASE FROM REFRIGERATION UNIT  
AMMONIA GAS LEAK @ 375 S King St  
Faulty valve caused ammonia release during maintenance of line. Valves were shut, but not totally sealed when the line was cut, ammonia was released.  
No. 6 Fuel Oil (CAS 68553004) was released during boiler repair work. Found some product yesterday at 5:00 and discovered stained soil today upon excavating to 10 or 12 feet. Estimate 500 gallons was released.  
Seam broken in freezer inside bldg.  
Initial : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
LEAK STOPPED BY REPAIRMAN.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
Contacted Brewer Environmental Consultants.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.  
Report : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK STOPPED BY REPAIRMAN.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
ISST has ranked site.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.

Case Number: 19900904  
Island: Oahu  
Numerical Quantity: 1200  
Less Or Greater Than : Not reported  
Units : Pounds  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MEADOW GOLD DAIRIES (ICE CREAM PLANT) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104657475

Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: MEADOW GOLD DAIRY, YOUNG ST. 1418  
Substances: Ammonia  
Incident : Ammonia leak  
AMMONIA LEAK FROM MEADOW GOLD DAIRY  
AMMONIA LEAK AT MEADOW GOLD ICE CREAM PLANT.  
AMMONIA RELEASE FROM REFRIGERATION UNIT  
AMMONIA GAS LEAK @ 375 S King St  
Faulty valve caused ammonia release during maintenance of line. Valves were shut, but not totally sealed when the line was cut, ammonia was released. No. 6 Fuel Oil (CAS 68553004) was released during boiler repair work. Found some product yesterday at 5:00 and discovered stained soil today upon excavating to 10 or 12 feet. Estimate 500 gallons was released.  
Seam broken in freezer inside bldg.  
Initial : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
LEAK STOPPED BY REPAIRMAN.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
Contacted Brewer Environmental Consultants.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.  
Report : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK STOPPED BY REPAIRMAN.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
ISST has ranked site.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.  
Case Number: 19900120  
Island: Oahu  
Numerical Quantity: 100  
Less Or Greater Than : <  
Units : Pounds  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Meadow Gold Ammonia Leak  
Substances: Ammonia  
Incident : Ammonia leak  
AMMONIA LEAK FROM MEADOW GOLD DAIRY  
AMMONIA LEAK AT MEADOW GOLD ICE CREAM PLANT.  
AMMONIA RELEASE FROM REFRIGERATION UNIT  
AMMONIA GAS LEAK @ 375 S King St

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MEADOW GOLD DAIRIES (ICE CREAM PLANT) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104657475

Faulty valve caused ammonia release during maintenance of line. Valves were shut, but not totally sealed when the line was cut, ammonia was released.  
No. 6 Fuel Oil (CAS 68553004) was released during boiler repair work. Found some product yesterday at 5:00 and discovered stained soil today upon excavating to 10 or 12 feet. Estimate 500 gallons was released.  
Seam broken in freezer inside bldg.  
Initial : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
LEAK STOPPED BY REPAIRMAN.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
Contacted Brewer Environmental Consultants.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.  
Report : The leak was from a glycol tube bundle on the chiller. Meadow Gold had shut the system down and were going to repair the leak.  
LEAK CLOSED OFF, STRONG WINDS DISSIPATED AMMONIA.  
LEAK STOPPED BY REPAIRMAN.  
LEAK REPAIRED.  
NO INJURIES, GAS DISSIPATED, <100 LBS RELEASED, REPORTABLE QUANTITY =100 LBS.  
Lines shut down, evacuated building, vented building outside. HFD did not respond.  
ISST has ranked site.  
Meadow Gold evacuated, shut off valve and isolated leak. About 9,000 lbs. In system.  
These are the most recent HI Spills records for this site.

[Click this hyperlink](#) while viewing on your computer to access 3 additional HI Spills record(s) in the EDR Site Report.

257 YEE HOP BUILDING MAUNAKEA STREET  
NNW 950 MAUNAKEA ST  
> 1 HONOLULU, HI  
6848 ft.

SHWS S106821168  
N/A

Relative:  
Higher

Actual:  
12 ft.

SHWS:

Supplement :	Not reported
Restricted Use :	Not reported
Fed Id :	Not reported
Funding :	ERRF
Agreement/program :	State Site
Activity Type :	Remedial
Assignment Date :	2004-10-15 00:00:00
Activity Lead :	Mark Sutterfield
Assignment End Date :	Not reported
End fill :	2005-08-24 00:00:00
Result fill :	Ongoing
Overall Status :	Ongoing
File Under :	City and County of Honolulu, Department of Design and Construction
Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	Not reported
Unit :	Yee Hop Building Maunakea Street
Sitelist Name :	Yee Hop Building Maunakea Street



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Elevation (ft.)	Site	Database(s)	EPA ID Number
258 NNW > 1 7327 ft.	KEKAULIKE DIAMOND HEAD BLOCK REVITALIZATION 163 N HOTEL ST HONOLULU, HI 96817	SHWS FINDS SPILLS	1006819184 110013769564
Relative: Higher	FINDS: Other Pertinent Environmental Activity Identified at Site: HAWAII ENGINE CONTROL SYSTEM		
Actual: 13 ft.	SHWS: Supplement : Hotel St & Kekaulike St Restricted Use : Not reported Fed Id : Not reported Funding : Not reported Agreement/program : Not reported Activity Type : Unregulated UST Assignment Date : 2004-10-26 00:00:00 Activity Lead : John Peard Assignment End Date : Not reported End fill : 2005-08-24 00:00:00 Result fill : Ongoing Overall Status : Ongoing File Under : City and County of Honolulu, Department of Housing and Community Development Restricted Use Comm : Not reported Ic Relied On In Remedy : Not reported Unit : Kekaulike Diamond Head Block Revitalization Sitelist Name : Kekaulike Diamond Head Block Revitalization		
	HI SPILLS: Case Number: 19941215-0915 Island: Oahu Numerical Quantity: Not reported Less Or Greater Than : Not reported Units : Not reported Activity Type : Response Assignment Date : 1994-12-15 00:00:00 Activity Lead : Mike Cripps Assignment End Date : Not reported Result : 8 Supplemental Loc. Text: Hotel St & Kekaulike St Unit: Kekaulike Diamond Head Block Substances: oil Incident : Digging - Drilling piling test holes, hit only soil across street is Maunakea Marketplace, makai, ewa of site was old gas station. Initial : Hawaiian Dredging reported/County to hire environmental contractor to investigate. Hawaiian Dredging Construction Company, Justin Ohara 532-35821 1/17/94 Mike Shiroma ,HCDA, has hired PSI (Mike Polkinghorn) as consultant. UST removed on Report : Hawaiian Dredging reported/County to hire environmental contractor to investigate. Hawaiian Dredging Construction Company, Justin Ohara 532-35821 1/17/94 Mike Shiroma ,HCDA, has hired PSI (Mike Polkinghorn) as consultant. UST removed on		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**259**  
**ENE**  
**> 1**  
**7384 ft.**

**CARTWRIGHT NEIGHBORHOOD PARK**  
**KEEAUMOKU ST & MATLOCK AVE**  
**HONOLULU, HI 96814**

**SHWS** **1006820122**  
**FINDS** **110013780257**

**Relative:**  
**Higher**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**30 ft.**

**SHWS:**  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Remedial  
Assignment Date : 2003-10-13 00:00:00  
Activity Lead : Steve Mow  
Assignment End Date : 2005-04-25 00:00:00  
End fill : 2005-04-25 00:00:00  
Result fill : No Further Action (NFA)-Cleanup Goals Achieved (Removal)  
Overall Status : SDAR NFA  
File Under : City and County of Honolulu, Department of Parks and Recreation, Parks & Playgrounds  
  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Cartwright Neighborhood Park  
Sitelist Name : Cartwright Neighborhood Park

**260**  
**ENE**  
**> 1**  
**7560 ft.**

**ALOHA/KING SELF STORAGE**  
**1414 KALAKAUA AVE**  
**HONOLULU, HI**

**SHWS** **S106816203**  
**N/A**

**Relative:**  
**Higher**

**SHWS:**  
Supplement : 1524 S King St corner (property on both addresses)  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF-VRP  
Agreement/program : VRP  
Activity Type : Remedial  
Assignment Date : 2004-06-07 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Aloha/King LLC  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : 1414 Kalakaua Avenue-Aloha/King LLC  
Sitelist Name : 1414 Kalakaua Avenue-Aloha/King LLC

**Actual:**  
**22 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

261  
ESE  
> 1  
7569 ft.

**HOBROH HOTEL**  
**1744 KAIOO DR**  
**HONOLULU, HI 96815**

**SHWS**  
**INST CONTROL**

**S106817744**  
**N/A**

**Relative:**  
**Higher**

**SHWS:**

**Actual:**  
**3 ft.**

Supplement : Not reported  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Removal  
Assignment Date : 2003-12-29 00:00:00  
Activity Lead : Clarence Callahan  
Assignment End Date : 2004-01-15 00:00:00  
End fill : 2004-01-15 00:00:00  
Result fill : No Further Action (NFA)-Cleanup Goals Achieved  
Overall Status : SDAR NFA  
File Under : Hobron Hotel, LLC  
Restricted Use Comm : The Site is limited to commercial use. See the hardcopy file for a description of the restrictions in use.  
  
Ic Relied On In Remedy : Not reported  
Unit : Hobron Hotel  
Sitelist Name : Hobron Hotel

**HI INSTITUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Hobron Hotel, LLC  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: The Site is limited to commercial use. See the hardcopy file for a description of the restrictions in use.  
  
IC Relied on in Remedy: Not reported

262  
NNW  
> 1  
7655 ft.

**215 NORTH KING STREET CONSTRUCTION SITE, TANKS 1 &**  
**215 N KING ST**  
**HONOLULU, HI 96814**

**SHWS** **S106815334**  
**N/A**

**Relative:**  
**Lower**

**SHWS:**

**Actual:**  
**0 ft.**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : Removal  
Assignment Date : 2004-11-16 00:00:00  
Activity Lead : Ukris Wongse-Ont  
Assignment End Date : 2004-12-10 00:00:00  
End fill : 2004-12-10 00:00:00  
Result fill : No Further Action (NFA)-Cleanup Goals Achieved (Removal)  
Overall Status : SDAR NFA  
File Under : Downtown Affordables, LLC  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : 215 North King Street Construction Site, Tanks 1 & 2  
Sitelist Name : 215 North King Street Construction Site, Tanks 1 & 2

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**263**  
**ENE**  
**> 1**  
**7672 ft.**

**ALOHA 7-ELEVEN KALAKAUA**  
**1323 KALAKAUA AVE**  
**HONOLULU, HI 96826**

**SHWS** **S106816154**  
**SPILLS** **N/A**

**Relative:**  
**Higher**

**SHWS:**

**Actual:**  
**30 ft.**

Supplement : Kalakaua Ave & Young St  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : ISST  
Assignment Date : 2002-12-02 00:00:00  
Activity Lead : Unknown  
Assignment End Date : 2004-05-19 00:00:00  
End fill : 2004-05-19 00:00:00  
Result fill : Screening  
Overall Status : Ongoing  
File Under : Aloha Petroleum, Ltd.  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Aloha 7-Eleven Kalakaua  
Sitelist Name : Aloha 7-Eleven Kalakaua

**HI SPILLS:**

Case Number: 19910410  
Island: Oahu  
Numerical Quantity: 20  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Curtis Martin  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Kalakaua Ave & Young St  
Unit: 7-11 Gas Station at Corner of Young and Kalakawa  
Substances: OIL  
Incident : OIL LEAKING THROUGH WALL TO PARKING LOT OF GAS STATION  
Initial : POSSIBLE SOURCE IDENTIFIED AS UST OTHER SIDE OF WALL. TANK SLATED FOR REMOVAL SOON.  
Report : POSSIBLE SOURCE IDENTIFIED AS UST OTHER SIDE OF WALL. TANK SLATED FOR REMOVAL SOON.

**BE264**  
**East**  
**> 1**  
**7735 ft.**

**ALOHA MOTORS**  
**1777 KAPIOLANI BLVD**  
**HONOLULU, HI 96813**

**SHWS** **1006820308**  
**FINDS** **110013782479**  
**SPILLS**

**Site 1 of 3 in cluster BE**

**Relative:**  
**Higher**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**Actual:**  
**3 ft.**

**SHWS:**

Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : HID984466060  
Funding : Not reported  
Agreement/program : Not reported  
Activity Type : ISST  
Assignment Date : 1994-05-27 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**ALOHA MOTORS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1006820308**

Activity Lead : Unknown  
Assignment End Date : 1995-01-19 00:00:00  
End fill : 1995-01-19 00:00:00  
Result fill : NFA  
Overall Status : SDAR NFA  
File Under : Aloha Motors  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Aloha Motors  
Sitelist Name : Aloha Motors

**HI SPILLS:**

Case Number: 19920128  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Aloha Motors - Kapiolani & Kalakaua Avenues  
Substances: Petroleum Hydrocarbons Spent solvents & thinners  
Incident : rainwater run off from property. have petroleum hydrocarbon - oily sheen in Ala Wai/alleged illegal disposal of thinners & solvents. Record of Communication (3/9/92)

FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.

WATER IS BEING DISCHARGED ONTO SIDEWALK AND STREET ALONG KALAKAUA, DIAMOND HEAD OF KAPIOLANI. INTERVIEWED MRS. WINTERS WHO WILL CONTACT FIRST DEVELOPMENT.

Initial : None Noted in Report

FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.

C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN

Report : None Noted in Report

FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.

C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN

Case Number: 19900411-1  
Island: Oahu  
Numerical Quantity: Not reported  
Less Or Greater Than : Not reported  
Units : Not reported  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Sheila Mackenzie  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: Aloha Motors, First Development Inc.  
Substances: Not reported  
Incident : rainwater run off from property. have petroleum hydrocarbon - oily sheen in Ala Wai/alleged illegal disposal of thinners & solvents. Record of Communication

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ALOHA MOTORS (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006820308

(3/9/92)  
FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
WATER IS BEING DISCHARGED ONTO SIDEWALK AND STREET ALONG KALAKAUA, DIAMOND HEAD OF KAPIOLANI. INTERVIEWED MRS. WINTERS WHO WILL CONTACT FIRST DEVELOPMENT.  
Initial : None Noted in Report  
FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN  
Report : None Noted in Report  
FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN

Case Number: 19900821-5  
Island: Oahu  
Numerical Quantity: 15  
Less Or Greater Than : Not reported  
Units : Gallons  
Activity Type : Response  
Assignment Date : Not reported  
Activity Lead : Not reported  
Assignment End Date : Not reported  
Result : 8  
Supplemental Loc. Text: Not reported  
Unit: ALOHA MOTORS, KALAKAUA AVE.  
Substances: Unknown

Incident : rainwater run off from property. have petroleum hydrocarbon - oily sheen in Ala Wai/alleged illegal disposal of thinners & solvents. Record of Communication (3/9/92)

FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
WATER IS BEING DISCHARGED ONTO SIDEWALK AND STREET ALONG KALAKAUA, DIAMOND HEAD OF KAPIOLANI. INTERVIEWED MRS. WINTERS WHO WILL CONTACT FIRST DEVELOPMENT.  
Initial : None Noted in Report  
FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN  
Report : None Noted in Report  
FOLLOW UP LETTER TO FIRST DEVELOPMENT INC., REGARDING SITE ASSESSMENTS PERFORMED AT THE PROPERTY. See also 920309.  
C. WINTERS CONTACTED THE DEVELOPMENT AND CONTRACTOR COMPANIES AND INFORMED THEM THAT THE DRILL WATER NEEDS TO BE CONTAINED AS PER AGREEMENT IN DEVELOPMENT PLAN

265 TOWN INN  
North 248-258 N BERETANIA ST  
> 1 HONOLULU, HI 96817  
7814 ft.

SHWS 1006819555  
FINDS 110013773755  
VCP  
INST CONTROL

Relative:  
Higher

Actual:  
3 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TOWN INN (Continued)**

**1006819555**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
HAWAII ENGINE CONTROL SYSTEM

**SHWS:**

Supplement : 1200 College Walk  
Restricted Use : This site has restrictions on its use.  
Fed Id : Not reported  
Funding : ERRF-VRP  
Agreement/program : VRP  
Activity Type : O&M  
Assignment Date : 2004-08-18 00:00:00  
Activity Lead : Mark Sutterfield  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Town Inn  
Restricted Use Comm : Prohibit Any Activity That May disturb the Integrity of the Monitoring System  
IC Relied On In Remedy : Publication-Internet Announcement  
Unit : Town Inn  
Sitelist Name : Town Inn

**HI INSTITUTIONAL CONTROL:**

Facility Addr 2: Not reported  
File Under: Town Inn  
Restricted Use: This site has restrictions on its use.  
Comments on Restricted Use: Prohibit Any Activity That May disturb the Integrity of the Monitoring System  
IC Relied on in Remedy: Publication-Internet Announcement

**VCP:**

Island: Oahu  
Supplemental Location Text: 1200 College Walk  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with ground water monitoring for two years.  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 1995-03-01 00:00:00  
FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: Removal  
Assignment Date: 2002-01-12 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: 2004-08-18 00:00:00  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: VRP Agreement  
Date of Document: 2002-01-12 00:00:00  
  
Island: Oahu  
Supplemental Location Text: 1200 College Walk  
Restricted Use: This site is available for unrestricted use.  
Comments on Restricted Use: The site is available for unrestricted use with ground water monitoring for two years.  
IC Relied on in Remedy: No institutional controls.  
SDAR Receipt: 1995-03-01 00:00:00



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TOWN INN (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006819555

FED\_ID: Not reported  
Photos: Not reported  
SDAR NFA: Not reported  
Activity Type: O&M  
Assignment Date: 2004-08-18 00:00:00  
Activity Lead: Mark Sutterfield  
Assignment End Date: Not reported  
Result: Not reported  
Agreement/Program: VRP  
Overall Status: Ongoing  
Type of Remedial Document: VRP Agreement  
Date of Document: 2002-01-12 00:00:00

**BE266**  
**East**  
**> 1**  
**7864 ft.**

**FORMER KALAKAUA TRANSMISSION INC**  
**1665 KALAKAUA AVE**  
**HONOLULU, HI 96826**

**SHWS** **S106817112**  
**N/A**

Site 2 of 3 in cluster BE

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

SHWS:  
Supplement : Not reported  
Restricted Use : Not reported  
Fed Id : Not reported  
Funding : Not reported  
Agreement/program : State Site  
Activity Type : Site Assessment  
Assignment Date : 2004-12-14 00:00:00  
Activity Lead : Diane England  
Assignment End Date : Not reported  
End fill : 2005-08-24 00:00:00  
Result fill : Ongoing  
Overall Status : Ongoing  
File Under : Imai Brothers Enterprises  
Restricted Use Comm : Not reported  
Ic Relied On In Remedy : Not reported  
Unit : Former Kalakaua Transmission Inc  
Sitelist Name : Former Kalakaua Transmission Inc

**BE267**  
**East**  
**> 1**  
**7918 ft.**

**ROGER'S REPAIR INC**  
**1687 KALAKAUA AVE**  
**HONOLULU, HI 96826**

**SHWS** **S106820247**  
**INST CONTROL** **N/A**

Site 3 of 3 in cluster BE

**Relative:**  
**Higher**

**Actual:**  
**3 ft.**

SHWS:  
Supplement : Not reported  
Restricted Use : This site is available for unrestricted use.  
Fed Id : Not reported  
Funding : ERRF  
Agreement/program : State Site  
Activity Type : ISST  
Assignment Date : 1999-05-28 00:00:00  
Activity Lead : Laura Young  
Assignment End Date : 1999-06-04 00:00:00  
End fill : 1999-06-04 00:00:00  
Result fill : No Further Action (NFA)  
Overall Status : SDAR NFA  
File Under : Roger's Repair Inc

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROGER'S REPAIR INC (Continued)**

**S106820247**

Restricted Use Comm :	Not reported
Ic Relied On In Remedy :	Not reported
Unit :	Roger's Repair Inc
Sitelist Name :	Roger's Repair Inc

**HI INSTUTIONAL CONTROL:**

Facility Addr 2:	Not reported
File Under:	Roger's Repair Inc
Restricted Use:	This site is available for unrestricted use.
Comments on Restricted Use:	Not reported
IC Relied on in Remedy:	Not reported

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HONOLULU	1008172476	KAKA AKO COMMUNITY DEVELOPMEN	AHUI ST, OHE ST, KOULA ST	96813	FINDS
HONOLULU	1006820749	KAKA AKO BROWNFIELD PROJECT-UNIT 7	AHUI ST	96814	SHWS, FINDS, BROWNFIELDS, INST CONTROL
HONOLULU	1006820762	KAKA AKO BROWNFIELD PROJECT-UNIT 5	AHUI ST	96814	SHWS, FINDS
HONOLULU	1006820568	HONOLULU WATERFRONT POL RELOCATION	500 ALA MOANA BOULEVARD	96813	FINDS
HONOLULU	1000860447	KEWALO BASIN HARBOR	ALA MOANA BLVD	96814	RCRA-SQG, FINDS
HONOLULU	1004688964	LONGS DRUG STORE NO 21	2004 ALA MOANA CTR	96814	RCRA-SQG, FINDS
HONOLULU	1006806688	PACIFIC CRUISES	181 ALA MOANA BLVD PIER 7A	96813	RCRA-SQG, FINDS
HONOLULU	U003986422	FUTURE HONOLULU FORD PROPERTY	CORNER OF HOUGHTAILING AND KIN	96819	LUST, UST
HONOLULU	S106708609	CANNON CLUB	DIAMOND HEAD RD		SHWS, BROWNFIELDS, INST CONTF
HONOLULU	S107022563	DOMESTIC COMMERCIAL FISHING VILLAG	DOMESTIC COMMERCIAL FISHING VI	96817	SHWS
HONOLULU	S104534136	ELLIOT STREET DRAINAGE CANAL	ELLIOT ST	96819	SHWS, SPILLS
HONOLULU	S106817262	HALAWA STREAM CHANNEL PETROLEUM CO	H-3		SHWS
HONOLULU	1000978853	HAWAII MARITIME CENTER	HONOLULU HARBOR PIER 7 AREA A	96813	RCRA-SQG, FINDS
HONOLULU	1006819301	KEEHI LAGOON CANOE FACILITY, INCRE	HOONEE PL	96819	SHWS, FINDS
HONOLULU	1006820766	KAKA AKO BROWNFIELD PROJECT-UNIT 10	KAKA AKO DISTRICT	96814	SHWS, FINDS, BROWNFIELDS
HONOLULU	1004688841	HARBOR GRAPHICS	2222 KAM HIGHWAY	96819	RCRA-SQG, FINDS
HONOLULU	S106818064	KAKA AKO IMPROVEMENT DISTRICT 7	KAMA KEE ST		SHWS, BROWNFIELDS
HONOLULU	1003879112	ABC DSPL	2760 KAMEHAMEHA HWY	96819	CERC-NFRAP
HONOLULU	1006820337	ABC DISPOSAL COMPANY	2760 KAMEHAMEHA HWY	96819	SHWS, FINDS
HONOLULU	1000146720	KAKA AKO SITE	KAWAIAHAO ST X EMILY ST	96813	LUST
HONOLULU	S106818337	KEEAUMOKU SUPERBLOCK PROJECT	KEEAUMOKU ST		SHWS, SPILLS, INST CONTROL
HONOLULU	1003879931	KEEHI LAGOON CANOE FACILITY	KEEHI LAGOON	96819	CERCLIS, FINDS
HONOLULU	1006820763	KAKA AKO BROWNFIELD PROJECT-UNIT 4	KOULA ST	96814	SHWS, FINDS
HONOLULU	1006820765	KAKA AKO BROWNFIELD PROJECT-UNIT 2	KOULA ST	96814	SHWS, FINDS
HONOLULU	1006820767	KAKA AKO BROWNFIELD PROJECT-UNIT 1	KOULA ST	96814	SHWS, FINDS
HONOLULU	1006819424	KUHIO PARK TERRACE, UNITS D1 AND D	LINAPUNI ST	96819	SHWS, FINDS, BROWNFIELDS, INST CONTROL
HONOLULU	1006819930	STAN SHERIFF SPECIAL EVENTS ARENA	LOWER CAMPUS RD	96822	SHWS, FINDS, SPILLS
HONOLULU	S106815536	420-470 NORTH NIMITZ HIGHWAY	420-470 N NIMITZ HWY	96817	SHWS
HONOLULU	S106819311	NIMITZ HIGHWAY WATER IMPROVEMENT P	N NIMITZ HWY	96817	SHWS
HONOLULU	S106821180	ZIPPY'S 580 NORTH NIMITZ HIGHWAY	550-580 N NIMITZ HWY	96817	SHWS, SPILLS
HONOLULU	1004688806	HAWAII STEVEDORES INC	965 NIMITZ HWY	96819	RCRA-SQG
HONOLULU	1000217295	WATERPARK TOWERS	POHUKAINA S & HALEKAUWILA	96813	RCRA-SQG, FINDS
HONOLULU	1004688781	HAWAII MOTOR REBUILDERS INC	831 B POHUKAINA ST	96813	RCRA-SQG, FINDS
HONOLULU	1004688765	DAGS CSD KEELIKOLANI BLDG	830 PUNCHBOWL ST 4TH FL	96813	RCRA-SQG, FINDS
HONOLULU	1003879701	TOWCO	16-1 SAND ISLAND PARKWAY ROAD	96819	CERC-NFRAP
HONOLULU	S106817349	HAWAII HALL	VARNEY CIR	96822	SHWS
HONOLULU	1000441819	POLYNESIAN ADVENTURE TOURS INC	135 WAIMANU ST	96814	RCRA-SQG, FINDS
HONOLULU COUNTY	S103763651	KMCAS LANDFILL	KANEOHE BAY		SWF/LF
MOKULEIA	S106817395	HAWAIIAN BITUMULS PAVING & PRECAST	FARRINGTON HWY	96826	SHWS

## EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D005	BARIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D018	BENZENE
D035	METHYL ETHYL KETONE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY

## EPA Waste Codes Addendum

Code	Description
	VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P106	SODIUM CYANIDE
P106	SODIUM CYANIDE NA(CN)

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## **FEDERAL ASTM STANDARD RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05  
Date Data Arrived at EDR: 08/03/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 19

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/03/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 8  
Telephone: 303-312-6774

EPA Region 4  
Telephone 404-562-8033

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/27/05  
Date Data Arrived at EDR: 05/04/05  
Date Made Active in Reports: 05/16/05  
Number of Days to Update: 12

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/05/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05  
Date Data Arrived at EDR: 10/21/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 6

Source: EPA  
Telephone: 703-413-0223  
Last EDR Contact: 09/20/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/22/05  
Date Data Arrived at EDR: 09/20/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 37

Source: EPA  
Telephone: 703-413-0223  
Last EDR Contact: 09/20/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05  
Date Data Arrived at EDR: 07/05/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 34

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database 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 per month. Transporters are individuals or entities that move 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.

Date of Government Version: 08/11/05  
Date Data Arrived at EDR: 08/23/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 44

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/23/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Quarterly

### **ERNS:** Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04  
Date Data Arrived at EDR: 01/27/05  
Date Made Active in Reports: 03/24/05  
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Annually

### **FEDERAL ASTM SUPPLEMENTAL RECORDS**

#### **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 06/17/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/12/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Biennially



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04  
Date Data Arrived at EDR: 02/15/05  
Date Made Active in Reports: 04/25/05  
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Varies

### **ROD:** Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05  
Date Data Arrived at EDR: 07/11/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 28

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 07/06/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Annually

### **DELISTED NPL:** National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05  
Date Data Arrived at EDR: 08/03/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 19

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/03/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

### **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/11/05  
Date Data Arrived at EDR: 07/19/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 20

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

### **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05  
Date Data Arrived at EDR: 07/22/05  
Date Made Active in Reports: 09/01/05  
Number of Days to Update: 41

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 07/22/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Annually

### **MLTS:** Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/14/05  
Date Data Arrived at EDR: 07/22/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 31

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

### **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/13/05  
Date Data Arrived at EDR: 06/27/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

### **NPL LIENS:** Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91  
Date Data Arrived at EDR: 02/02/94  
Date Made Active in Reports: 03/30/94  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: No Update Planned

### **PADS:** PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05  
Date Data Arrived at EDR: 09/13/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-564-3887  
Last EDR Contact: 08/25/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Annually

### **DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03  
Date Data Arrived at EDR: 11/12/03  
Date Made Active in Reports: 11/21/03  
Number of Days to Update: 9

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 08/09/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Semi-Annually

### **UMTRA:** Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04  
Date Data Arrived at EDR: 01/07/05  
Date Made Active in Reports: 03/14/05  
Number of Days to Update: 66

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85  
Date Data Arrived at EDR: 08/09/04  
Date Made Active in Reports: 09/17/04  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 05/23/95  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04  
Date Data Arrived at EDR: 06/29/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 06/29/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Varies

### **INDIAN RESERV:** Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03  
Date Data Arrived at EDR: 11/12/03  
Date Made Active in Reports: 11/21/03  
Number of Days to Update: 9

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 08/09/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Semi-Annually

### **US ENG CONTROLS:** Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05  
Date Data Arrived at EDR: 08/12/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 55

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 10/03/05  
Next Scheduled EDR Contact: 01/02/06  
Data Release Frequency: Varies

### **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95  
Date Data Arrived at EDR: 07/03/95  
Date Made Active in Reports: 08/07/95  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: No Update Planned

### **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 07/13/05  
Date Made Active in Reports: 08/17/05  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **TSCA:** Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02  
Date Data Arrived at EDR: 04/27/04  
Date Made Active in Reports: 05/21/04  
Number of Days to Update: 24

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Every 4 Years

### **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/15/05  
Date Data Arrived at EDR: 07/25/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 28

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

### **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 01/03/05  
Date Made Active in Reports: 01/25/05  
Number of Days to Update: 22

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Annually

### **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05  
Date Data Arrived at EDR: 07/25/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

## **STATE OF HAWAII ASTM STANDARD RECORDS**

### **SHWS:** Sites List

Facilities, sites or areas in which the Office of Hazard Evaluation and Emergency Response has an interest, has investigated or may investigate under HRS 128D (includes CERCLIS sites).

Date of Government Version: 08/24/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/28/05  
Number of Days to Update: 30

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/22/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Semi-Annually

### **SWF/LF:** Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/19/04  
Date Data Arrived at EDR: 05/20/04  
Date Made Active in Reports: 06/22/04  
Number of Days to Update: 33

Source: Department of Health  
Telephone: 808-586-4245  
Last EDR Contact: 08/16/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Varies

### **LUST:** Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/01/05  
Date Data Arrived at EDR: 08/19/05  
Date Made Active in Reports: 09/20/05  
Number of Days to Update: 32

Source: Department of Health  
Telephone: 808-586-4228  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

### **UST:** Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/01/05  
Date Data Arrived at EDR: 08/19/05  
Date Made Active in Reports: 09/20/05  
Number of Days to Update: 32

Source: Department of Health  
Telephone: 808-586-4228  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

### **VCP:** Voluntary Response Program Sites

Date of Government Version: 01/05/05  
Date Data Arrived at EDR: 01/06/05  
Date Made Active in Reports: 02/08/05  
Number of Days to Update: 33

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

## **STATE OF HAWAII ASTM SUPPLEMENTAL RECORDS**

### **SPILLS:** Release Notifications

Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

Date of Government Version: 08/24/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/28/05  
Number of Days to Update: 30

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/22/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

## **EDR PROPRIETARY HISTORICAL DATABASES**

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **BROWNFIELDS DATABASES**

### **BROWNFIELDS:** Brownfields Sites

Date of Government Version: 08/24/05  
Date Data Arrived at EDR: 10/12/05  
Date Made Active in Reports: 10/26/05  
Number of Days to Update: 14

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

### **VCP:** Voluntary Response Program Sites

Date of Government Version: 01/05/05  
Date Data Arrived at EDR: 01/06/05  
Date Made Active in Reports: 02/08/05  
Number of Days to Update: 33

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05  
Date Data Arrived at EDR: 08/18/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 49

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 08/11/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Semi-Annually

### **INST CONTROL:** Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 08/24/05  
Date Data Arrived at EDR: 10/12/05  
Date Made Active in Reports: 10/26/05  
Number of Days to Update: 14

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

### **US INST CONTROL:** Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05  
Date Data Arrived at EDR: 02/11/05  
Date Made Active in Reports: 04/06/05  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### STREET AND ADDRESS INFORMATION

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## **APPENDIX D**

### **TAX ASSESSMENT RECORDS**



### SUMMARY OF TAX ASSESSMENT RECORDS

Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 1	1937	Parcel was owned by the Territory of Hawaii (Board of Harbor Commissioners) and leased to Kewalo Marine Sales, Ltd. Parcel area was 3.797 acres.
	1962	Parcel was owned by the State of Hawaii (Board of Harbor Commissioners). Parcel acquired 1,113 square feet from TMK [1] 2-1-58: Parcel 43 and 0.004 acres from Parcel 53 (See records below).
	1966	Parcel was owned by the State of Hawaii (DOT-H). Parcel acquired 0.21 acres from TMK [1] 2-1-58: Parcel 50, 0.080 acres from TMK [1] 2-1-58: Parcel 52, 2.180 acres from TMK [1] 2-3-37: Parcel 3 and 7.879 acres from TMK [1] 2-3-37: Parcel 11 (See records below).
	1968	Parcel acquired 1,113 square feet from TMK [1] 2-1-58: Parcel 43 (See records below). Lease issued to Castle and Cooke, Inc. to install electrical outlets.
	1970	Lease issued to Mr. G. Kimura to dispense fuel via a tank truck. Lease also issued to McWayne Marine Supply, Ltd. to dispense fuel via a tank truck.
	1971	Parcel acquired 0.024 acres from TMK [1] 2-1-58: Parcel 57 and 0.007 from Parcel 58 (See records below).
	1972	Parcel acquired 0.001 acres from TMK [1] 2-1-58: Parcel 49 (See records below).
	1976	Parcel acquired 0.004 acres from TMK [1] 2-1-58: Parcel 52 (See records below).
	1982	Parcel acquired 0.062 acres from TMK [1] 2-1-58: Parcel 62 and 0.051 acres from Parcel 76 (See records below).
	1984	Parcel acquired 0.0019 acres from TMK [1] 2-1-58: Parcel 90 and 0.0033 acres from Parcel 52 (See records below).
	1986	Parcel acquired 0.2346 acres from TMK [1] 2-1-58: Parcel 49 (See records below).
	1988	Parcel acquired 0.0004 acres from TMK [1] 2-1-58: Parcel 93 (See records below).
	1988	Parcel acquired 0.0007 acres from TMK [1] 2-1-58: Parcel 69, 0.0008 acres acquired from Parcel 90 and 0.0003 acres acquired from Parcel 79 (See records below).
	1988	Parcel acquired 0.0007 acres from TMK [1] 2-1-58: Parcel 92 (See records below).



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 1 (continued)	1989	Parcel acquired 66 square feet from TMK [1] 2-1-58: Parcel 94 (See records below).
	1996	Parcel acquired 32 square feet from TMK [1] 2-1-58: Parcel 101 (See records below) and 36 square feet from Parcel 99 (See records below).
	1998	Parcel was deeded to Hawaii Community Development Authority.
	2001	Parcel acquired 108,915 square feet from TMK [1] 2-1-58: Parcel 6, 29,879 acres from Parcel 10, 15,120 square feet from Parcel 21, 17,960 square feet from Parcel 32, 603 square feet from Parcel 52, 11,434 square feet from Parcel 65, and 157,137 square feet from Parcel 95.
	2003	Parcel acquired 27,190 square feet from TMK [1] 2-1-58: Parcel 110 (See records below).
	2005	Parcel acquired 32 square feet from TMK [1] 2-1-58: Parcel 78 (See records below).
TMK [1] 2-1-58: Parcel 2	1944	Territory of Hawaii listed as owner. Lease issued to Hawaiian Tuna Packers, Ltd.
	1953	Parcel acquired 97,370 square feet from TMK [1] 2-1-58: Parcel 24 and 7,301 square feet from Parcel 32 (See records below).
	1956	Lease issued to Columbia River Packers Association, Inc.
	1961	State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Bumble Bee Seafoods, Inc.
	1964	Lease issued to Castle & Cooke, Inc.
	1966	State of Hawaii (DOT-H) listed as owner.
	1969	Parcel acquired 1,946 square feet from TMK [1] 2-1-58: Parcel 55 (See records below). 74,975 square feet used for boat repair and 163,575 square feet used for cannery.
	1985	Lease issued to WRAF Corp. to operate a fish cannery and boat repair.
	1987	Parcel acquired 22,187 square feet from TMK [1] 2-1-58: Parcel 35 (See records below). Lease issued to Keehi Marine, Inc. for boat repair work and related facilities.
	1990	Lease issued to Honolulu Marine, Inc.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 2 (continued)	1991	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 6	1941	Territory of Hawaii (Board of Harbor Commission) listed as owner.
	1966	Parcel acquired 13,080 square feet from TMK [1] 2-1-58: Parcel 32 (See records below). State of Hawaii (DOT-H) listed as owner.
	1967	Lease issued to Army & Air Force Exchange Service.
	1969	Parcel acquired 4,112 square feet from TMK [1] 2-1-58: Parcel 32.
	1980	Parcel acquired 3,463 square feet from TMK [1] 2-1-58: Parcel 32.
	1991	Parcel was deeded to Hawaii Community Development Authority.
	2001	108,915 square feet dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 7	1943	Territory of Hawaii listed as owner.
	1956	Parcel acquired 0.039 acres from TMK [1] 2-1-58: Parcel 37 (See records below).
	1966	Parcel transferred to new TMK [1] 2-1-60: Parcel 5 (See records below).
TMK [1] 2-1-58: Parcel 8	1944	Territory of Hawaii listed as owner. Portion of Parcel 8 dropped into TMK [1] 2-1-58: Parcel 38 (See records below).
	1949	Parcel has been set aside for addition to the City and County Corporation and Utility Yard.
	1966	Parcel transferred to new TMK [1] 2-1-60: Parcel 6 (See records below).
TMK [1] 2-1-58: Parcel 10	1962	State of Hawaii listed as owner.
	1966	Entire Parcel 10 dropped into new TMK [1] 2-1-60: Parcel 8 (See records below).
	1974	Parcel 10 picked up 29.879 acres of submerged lands for addition to Kewalo Basin. State of Hawaii (DOT-H) listed as owner.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 10 (continued)	2001	29.879 acres dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 19	1940	City and County of Honolulu listed as owner.
	1944	Portion of area dropped into new TMK [1] 2-1-58: Parcel 38 and 39 (See records below).
TMK [1] 2-1-58: Parcel 21	1937 – 1946	Owners listed as Kewalo Marine Sales, Ltd., Felix Meynerdi, Albert Y. T. Ching, Hung Lau Goo, Tai Ting Au, Ching Hew Au, H. S. Ching, Alwin Moon Mun, and Edna Mun.
	1951	Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Spencecliff Corp., Ltd.
	1960	Entire Parcel 21 dropped into TMK [1] 2-1-58: Parcel 20.
	1969	Parcel 21 picked up 5,888 square feet from TMK [1] 2-1-58: Parcel 6 (See records above). State of Hawaii listed as owner. Lease issued to Spencecliff Corp., Ltd. for parking purposes.
	1980	Parcel acquired 3,513 square feet from TMK [1] 2-1-58: Parcel 6 (See records above), 2,375 square feet from Parcel 32 (See records below), and 20,000 square feet from Parcel 51 (See records below). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to Spencecliff Corp, Ltd. to operate a restaurant and beverage concession.
	1984	State of Hawaii (DOT-H) listed as owner. Lease issued to Spencecliff Corp., Ltd. For vehicular parking.
	1990	Lease issued to Nittaku Investment, Inc.
	1991	Parcel deeded to Hawaii Community Development Authority.
	2001	15,120 square feet dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 24	1938	Territory of Hawaii listed as owner. Lease issued to Hawaiian Tuna Packers.
	1953	Entire Parcel 24 dropped into TMK [1] 2-1-58: Parcel 2.
TMK [1] 2-1-58: Parcel 32	1943	New Parcel 32 created from TMK [1] 2-1-58: Parcel 6 and 24 (See records above). Territory of Hawaii listed as owner. Lease issued to Hawaiian Tuna Packers, Ltd.
	1953	Entire Parcel 32 dropped into TMK [1] 2-1-58: Parcel 2.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 32 (continued)	1954	Parcel 32 picked up 33,080 square feet from TMK [1] 2-1-58: Parcel 2 (See records above).
	1966	Parcel acquired 10,000 square feet from TMK [1] 2-1-58: Parcel 6 (See records above). State of Hawaii listed as owner. Lease issued to Spencecliff Corp., Ltd. for parking purposes.
	2001	17,960 square feet dropped into TMK [1] 2-1-58: Parcel 1.
TMK [1] 2-1-58: Parcel 35	1943	Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Hawaiian Tuna Packers, Ltd.
	1956	Lease issued to Columbia River Packers Association, Inc.
	1961	State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Bumble Bee Seafoods, Inc.
	1964	Lease issued to Castle and Cooke, Inc.
	1968	State of Hawaii (DOT-H) listed as owner.
	1985	Lease issued to WRAF Corp. to operate a fish cannery and boat repair.
	1987	Lease issued to Keehi Marine, Inc. for boat repair work and related facilities.
	1990	Lease issued to Honolulu Marine, Inc.
	1991	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 36	1944	New Parcel 36 was created from TMK [1] 2-1-58: Parcel 7 (See records above). Territory of Hawaii listed as owner.
	1949	Entire Parcel 36 dropped into TMK [1] 2-1-58: Parcel 41 (See records below).
TMK [1] 2-1-58: Parcel 37	1944	New Parcel 37 was created from TMK [1] 2-1-58: Parcel 7 (See records above). Territory of Hawaii listed as owner.
	1946	0.447 acres dropped into TMK 2-1-58: Parcel 41 (See records below).
	1955	Labeled as Incinerator Site No. 1.
	1956	Entire Parcel 37 dropped into Ahui Street.
	1956	Parcel revived and assigned to land at north corner of Ahui and Government Rd.





Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 37 (continued)	1956	1,737 square feet dropped into TMK [1] 2-1-58: Parcel 7 and remainder area dropped into Ahui Street.
TMK [1] 2-1-58: Parcel 38	1944	New Parcel 38 was created from TMK [1] 2-1-58: Parcel 8 and 19 (See records above). Territory of Hawaii listed as owner. Labeled as Kewalo Incinerator Site No. 2.
	1966	Parcel transferred to new TMK [1] 2-1-60: Parcel 4 (See records below).
TMK [1] 2-1-58: Parcel 39	1944	New Parcel 39 was created from TMK [1] 2-1-58: Parcel 7 and 19 (See records above). Territory of Hawaii listed as owner.
	1956	Portion of land set aside as an addition to Corporation and Utility Yard, to be under control of the City and County of Honolulu (Board of Supervisors).
	1966	Parcel transferred to new TMK [1] 2-1-60: Parcel 2 (See records below).
TMK [1] 2-1-58: Parcel 41	1946	New Parcel 41 was created from TMK [1] 2-1-58: Parcel 37 (See records above). Territory of Hawaii listed as owner. Lease issued to Marine Service Station.
	1949	Parcel acquired 225 square feet from TMK [1] 2-1-58: Parcel 36 (See records above). 40,383 square feet added to Parcel from Harbor. Lease issued to Manuel Garcia.
	1952	Lease issued to John Nichol.
	1955	Lease issued to M. Otani, Ltd.
	1959	Parcel acquired 56,596 square feet from TMK [1] 2-1-58: Parcel 47 (See records below).
	1968	State of Hawaii (DOT-H) listed as owner. Lease issued to M. Otani Company, Ltd. for unloading, storage and processing fish. Parcel acquired 11 square feet from [1] 2-1-58: Parcel 47.
	1976	Lease issued to Market Place, Ltd. for auctioning, packing, storing and selling.
	1978	Lease issued to GRG Enterprise, Inc.
	1980	Sub-lease issued to Fishland Market, Ltd.
	1991	Parcel was deeded to Hawaii Community Development Authority.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 41 (continued)	1998	Parcel acquired 144 square feet from TMK [1] 2-1-58: Parcel 86 (See records below).
TMK [1] 2-1-58: Parcel 43	1955	New Parcel 43 was created from TMK [1] 2-1-58: Parcel 1 (See records above) and owned by the Territory of Hawaii (Board of Harbor Commissioners). Lease issued to Arthur S. Carter.
	1956	Parcel acquired 885 square feet from TMK [1] 2-1-58: Parcel 44 (See records below).
	1962	Entire Parcel 43 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
	1967	Parcel acquired 1,113 square feet from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owners and leased to Oahu Charters, Inc.
	1968	Entire Parcel 43 dropped into TMK [1] 2-1-58: Parcel 1 and picked up 3,120 square feet from Parcel 1.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 44	1955	New Parcel 44 was created from TMK [1] 2-1-58: Parcel 1 (See records above). Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Arthur S. Carter for rental, sale and service sports equipment, camera supplies.
	1956	Entire Parcel 44 dropped into TMK [1] 2-1-58: Parcel 43 (See records above).
	1968	Parcel 44 picked up 340 square feet from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Gitaro Arakawa to operate lunch wagon.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 47	1956	New Parcel 47 was created. Territory of Hawaii listed as owner.
	1956	Area revised and Parcel may include "old Incinerator Site".
	1956	Parcel acquired 32,748 square feet of land that was set aside for addition to Kewalo Basin.
	1967	State of Hawaii (DOT-H) listed as owner.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 47  (continued)	1991	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 49	1958	New Parcel 49 was created from TMK [1] 2-1-58: Parcel 1 (See records above). Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Hawaiian Water Transportation Corp.
	1962	State of Hawaii (DOT-H) listed as owner. Lease issued to Pacific Sea Transportation Ltd.
	1979	Lease issued to Paradise Cruise Ltd.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 50	1960	New Parcel 50 was created from TMK [1] 2-1-58: Parcel 1 (See records above). Owner is listed as State of Hawaii (Board of Harbor Commissioners). Lease issued to Hawaiian Water Transportation Corp. for parking purposes only.
	1962	Lease issued to Pacific Sea Transportation, Ltd.
	1966	Entire Parcel 50 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 51	1960	New Parcel 51 was created from TMK [1] 2-1-58: Parcel 32 (See records above). State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Hawaiian Restaurant, Ltd.
	1980	Entire Parcel 51 dropped into [1] TMK 2-1-58: Parcel 21 (See records above).
TMK [1] 2-1-58: Parcel 52	1960	New Parcel 52 created from TMK [1] 2-1-58: Parcel 1 (See records above). Owner listed as State of Hawaii (Board of Harbor Commissioners). Lease issued to Hawaiian Restaurants, Inc.
	1966	Entire Parcel 52 dropped into TMK [1] 2-1-58: Parcel 1.
	1972	Parcel 52 picked up 0.21 acres from TMK [1] 2-1-58: Parcel 1 (See records above). Owner is listed as the State of Hawaii (DOT-H). Lease issued to Helen M. Morita to provide taxicab service.
	1976	Lease issued to Union Cabs, Inc.
	1984	Lease issued to Gary J. Dill for taxicab services.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 52 (continued)	2001	Entire Parcel 52 dropped into TMK [1] 2-1-58: Parcel 1.
TMK [1] 2-1-58: Parcel 53	1960	New Parcel 53 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Lanai Transport Co., Ltd.
	1962	Entire Parcel 53 dropped into TMK [1] 2-1-58: Parcel 1.
	1968	Parcel 53 picked up 680 square feet from TMK [1] 2-1-58: Parcel 1 (See records above). Parcel 53 was owned by the State of Hawaii (DOT-H) and leased to Glass Bottom Boats Hawaii Inc.
	1969	Lease issued to Glass Bottom Boats Hawaii, Inc. to operate portable office site.
	1971	Glass Bottom Boats Hawaii, Inc. permit terminated.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 54	1964	New Parcel 54 was created to account for filled land designated as Kewalo Oceanographic Research Center.
	1966	Lease issued to University of Hawaii.
	1966	Parcel transferred to new TMK [1] 2-1-60: Parcel 1 (See records below).
TMK [1] 2-1-58: Parcel 55	1966	New Parcel 55 was created from TMK [1] 2-1-58: Parcel 2 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Castle and Cooke, Inc. and sub-lease issued to Standard Oil Company.
	1969	Entire Parcel 55 dropped into TMK [1] 2-1-58: Parcel 2 (See records above).
TMK [1] 2-1-58: Parcel 56	1966	New Parcel 56 transferred from TMK [1] 2-3-37: Parcel 5 (See records below). Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Leased issued to McWayne Marine Supply, Ltd.
	1971	State of Hawaii (DOT-H) listed as owner.
	1985	Lease issued to Servco Pacific, Ltd. to operate marine supply store.
	1998	Parcel was deeded to Hawaii Community Development Authority.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 57	1966	New Parcel 57 transferred from TMK [1] 2-3-37: Parcel 9 (See records below). Owner listed as the State of Hawaii (DOT-H). Lease issued to William A. Kananui & Walter Y. Miyashiro.
	1967	Lease issued to William A. Kananui, Gitaro Arakawa, & Jane Arakawa for restaurant and toilet space.
	1971	1,029 square feet dropped into TMK [1] 2-1-58: Parcel 1. Lease issued to A & G, Inc. to operate food concession.
	1976	Parcel acquired 12 square feet from TMK [1] 2-1-58: Parcel 1 (See records above).
	1983	Parcel acquired 2,032 square feet from TMK [1] 2-1-58: Parcel 1.
	1982	Lease issued to Zenen G. Ozoa.
	1988	Parcel acquired 707 square feet from TMK [1] 2-1-58: Parcel 1 and 322 square feet from Parcel 68 (See records below).
TMK [1] 2-1-58: Parcel 58	1966	New Parcel 58 transferred from TMK [1] 2-3-37: Parcel 18 (See records below). State of Hawaii (DOT-H) listed as owner.
	1971	Entire Parcel 58 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 59	1966	New Parcel 59 transferred from TMK [1] 2-3-37: Parcel 14 (See records below). State of Hawaii (DOT-H) listed as owner. Lease issued to George C. Kimura.
	1979	Lease issued to Kewalo Marine, Inc.
	1988	Lease issued to Pacific – TMR.
	1990	Parcel acquired 550 square feet from TMK [1] 2-1-58: Parcel 1 (See records above).
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 60	1966	New Parcel 60 was transferred from TMK [1] 2-3-37: Parcel 17 (See records below). State of Hawaii (DOT-H) listed as owner.
	1968	Lease issued to University of Hawaii, Department of Oceanography for hydrodynamic research studies.
	1998	Parcel was deeded to Hawaii Community Development Authority.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 61	1966	New Parcel 61 transferred from TMK [1] 2-3-37: Parcel 16 (See records below). State of Hawaii (DOT-H) listed as owner. Lease issued to Dept. of Agriculture and Conservation.
	1971	Lease issued to Dept. of Land and Natural Resources, Division of Fish and Game.
	1975	Lease issued to University of Hawaii – Marine Programs.
	1985	Lease issued to Tuna Boatowner Co-op, Inc. for office and fish storage.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 62	1968	New Parcel 62 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Western Telestations, Inc. for heliport.
	1973	Lease issued to McWayne Marine Supply, Inc. for display and storage of boats and related equipment.
	1978	Parcel acquired 0.062 acres from TMK [1] 2-1-58: Parcel 1.
	1982	0.062 acres dropped into TMK [1] 2-1-58: Parcel 1.
TMK [1] 2-1-58: Parcel 63	1968	New Parcel 63 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Seiichi Kanda to operate lunch wagon.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 64	1968	New Parcel 64 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to U.S. Dept. of the Interior, Fish and Wildlife Service Bureau of Commercial Fisheries for warehouse, offices, laboratory, experimental fish holding ponds, and other uses. Power house depicted on building sketch.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 65	1968	New Parcel 65 was created from TMK [1] 2-1-58: Parcel 35 (See records above). State of Hawaii (DOT-H) listed as owner.
	1971	Land set aside for addition to Kewalo Basin.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 65 (continued)	2001	Entire Parcel 65 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 66	1969	New Parcel 66 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Seiichi Kanda for lunch wagon.
	1991	Lease issued to Yasuko Lunch Wagon
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 67	1969	New Parcel 67 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Gitaro Arakawa for lunch wagon.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 68	1969	New Parcel 68 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Ale Ale Kai V for storage purposes.
	1973	Lease issued to Aikane Corp. to store cruise boat operations.
	1988	Entire Parcel 68 dropped into TMK [1] 2-1-58: Parcel 57 (See records above).
TMK [1] 2-1-58: Parcel 69	1971	New Parcel 69 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Glass Bottom Boats Hawaii, Inc. to operate ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 72	1972	New Parcel 72 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to McWayne Marine Supply, Ltd. to display and store boats for sale.
	1985	Lease issued to Servco Pacific, Inc.
	1989	Parcel acquired 625 square feet from TMK [1] 2-1-58: Parcel 1.
	1998	Parcel was deeded to Hawaii Community Development Authority.





Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 73	1974	New Parcel 73 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Kono Charters, Ltd. for charter boat office.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 76	1979	New Parcel 76 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii listed as owner. Lease issued to Windjammer Cruises, Inc. for bus parking.
	1982	0.051 acres dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-1-58: Parcel 77	1979	New Parcel 77 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii listed as owner. Lease issued to Harold B. Hicks, Jr.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 78	1981	New Parcel 78 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (WTFD) listed as owner. Lease issued to Paradise Cruises, Ltd. to operate a ticket booth.
	1986	State of Hawaii (DOT-H) listed as owner.
	2005	32 square feet dropped into TMK [1] 2-1-58: Parcel 1.
TMK [1] 2-1-58: Parcel 79	1981	New Parcel 79 created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii listed as owner. Lease issued to Cornelius Choy to operate ticket booth.
	1988	Lease issued to Truman Enterprises, Inc. to operate ticket booth.
	1989	Lease issued to Golden Eagle Marine Charter Services Corp.
	1998	Parcel deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 80	1981	New Parcel 80 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (WTFD) listed as owner. Lease issued to Wadsworth Yee to operate a ticket booth.
	1988	Parcel acquired 8 square feet from TMK [1] 2-1-58: Parcel 1. State of Hawaii (DOT-H) listed as owner.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 80 (continued)	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 81	1981	New Parcel 81 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (WTFD) listed as owner. Lease issued to Inter-Island Sports Fishing, Ltd. to operate a ticket booth.
	1988	Parcel acquired 12 square feet from TMK [1] 2-1-58: Parcel 1. State of Hawaii (DOT-H) listed as owner.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 82	1981	New Parcel 82 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to GRG Enterprises, Ltd. and sub-leased to M. Kane Fish Market, Inc.
	1998	Parcel acquired 500 square feet from TMK [1] 2-1-58: Parcel 41. State of Hawaii (DOT-H) listed as owner.
	2001	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 83	1981	New Parcel 83 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to GRG Enterprises, Inc. and sub-leased to Fishland Market, Ltd.
	1991	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 84	1981	New Parcel 84 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to GRG Enterprises, Inc. and sub-leased to United Fishing Agency, Ltd.
	1991	Parcel was deeded to Hawaii Community Development Authority.
	1998	Parcel acquired 9,755 square feet from TMK [1] 2-1-58: Parcel 41.
TMK [1] 2-1-58: Parcel 85	1981	New Parcel 85 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to GRG Enterprises, Inc. and sub-leased to Ahi Fishing Co., Ltd.
	1998	Lease issued to Ahi Fishing Co., Ltd.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 85 (continued)	2001	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 86	1981	New Parcel 86 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-WTFD) listed as owner. Lease issued to GRG Enterprises, Inc. and sub-leased to South Pacific International Sea Food, Inc.
	1991	Parcel was deeded to Hawaii Community Development Authority.
	1998	Parcel acquired 430 square feet from TMK [1] 2-1-58: Parcel 84 (See records above). Lease issued to Pacific Island Seafood, Inc.
TMK [1] 2-1-58: Parcel 88	1982	New Parcel 88 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Aikane Corp. to operate a ticket booth.
	1995	Lease issued to Paradise Cruise, Ltd. to operate ticket booths.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 89	1983	New Parcel 89 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Thomas Akana, Jr. to operate a ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 90	1984	New Parcel 90 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to 7A, Inc to operate ticket booth.
	1984	Entire Parcel 90 dropped into TMK [1] 2-1-58: Parcel 1.
	1985	Parcel 90 picked up 0.0015 acres from TMK [1] 2-1-58: Parcel 1. Lease issued to Waikiki Marine Sales, Inc. for a ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 91	1985	New Parcel 91 was created from TMK [1] 2-1-58: Parcel 41 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to GRG Enterprises, Inc. and sub-leased to John H. J. Kim for retail and wholesale fishing operations.
	1991	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 92	1985	New Parcel 92 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Hawaiian Horizon, Ltd. to operate ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 93	1985	New Parcel 93 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Robert's Ilima Charter Boats, Inc. to operate ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 94	1986	New Parcel 94 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Paul E. F. Gay to operate ticket booth.
	1989	Leased issued to Island Charters, Inc. to operate ticket booth.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 95	1987	New Parcel 95 was created from TMK [1] 2-1-58: Parcel 2 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to WRAF Corp. to operate fish cannery and ice plant.
	1991	Parcel was deeded to Hawaii Community Development Authority.
	2001	Parcel acquired 4.911 acres from TMK [1] 2-1-58: Parcel 1 and dropped 157,137 square feet into Parcel 1.
TMK [1] 2-1-58: Parcel 99	1989	New Parcel 99 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii listed as owner. Lease issued to Windjammer Cruises, Inc. to operate a ticket booth.



Tax Map Key	Year	Transaction
TMK [1] 2-1-58: Parcel 99 (continued)	1996	36 square feet dropped into TMK [1] 2-1-58: Parcel 1. Lease issued to Nautilus Subsea Adventures, Inc. to operate a ticket booth.
TMK [1] 2-1-58: Parcel 101	1989	New Parcel 101 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Aikane Catamaran Cruises to operate two ticket booths.
	1996	32 square feet dropped into TMK [1] 2-1-58: Parcel 1. Lease issued to Hokunani Associates, Inc. to operate a ticket booth.
TMK [1] 2-1-58: Parcel 108	1993	New Parcel 108 was created from TMK [1] 2-1-58: Parcel 1 (See records above). State of Hawaii (DOT-H) listed as owner. Lease issued to Hawaiian Cruises, Ltd. for a ticket booth site and storage of a passenger platform.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-58: Parcel 110	1998	New Parcel 110 was created from TMK [1] 2-1-58: Parcel 41 (See records above). Hawaii Community Development Authority listed as owner.
	2001	27, 190 square feet dropped into TMK [1] 2-1-58: Parcel 1.
TMK [1] 2-1-58: Parcel 122	2003	New Parcel 122 was created from TMK [1] 2-1-58: Parcel 1 (See records above). Hawaii Community Development Authority listed as owner. Lease issued to Hokunani Associates, Inc. to operate a ticket booth.
TMK [1] 2-1-60: Parcel 1	1966	New Parcel 60 transferred from TMK [1] 2-1-58: Parcel 54 (See records above). State of Hawaii listed as owner. Lease issued to University of Hawaii.
	1998	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-60: Parcel 2	1966	New Parcel 2 transferred from TMK [1] 2-1-58: Parcel 39 (See records above). State of Hawaii listed as owner.
	2001	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-60: Parcel 4	1966	New Parcel 4 transferred from TMK [1] 2-1-58: Parcel 38 (See records above). State of Hawaii listed as owner. Labeled as Kewalo Incinerator Site No. 2.
	2001	Parcel was deeded to Hawaii Community Development Authority.



Tax Map Key	Year	Transaction
TMK [1] 2-1-60: Parcel 5	1966	New Parcel 5 transferred from TMK [1] 2-1-58: Parcel 7 (See records above). State of Hawaii listed as owner. Labeled as Kewalo Corporation Yard.
	2001	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-1-60: Parcel 6	1966	New Parcel 6 transferred from TMK [1] 2-1-58: Parcel 8 (See records above). State of Hawaii listed as owner and labeled as Kewalo Corporation and Utility Yard.
	2001	Parcel was deeded to Hawaii Community Development Authority.
TMK [1] 2-3-37: Parcel 1	1927	Transferred to the Territory by Pres. Order No. 1818.
	1928	Transferred to the City and County of Honolulu for park purposes. Parcel 1 area was 78.87 acres.
	1944	Territory of Hawaii listed as owner. City and County of Honolulu Park Board has control parcel.
	1949	2.812 acres dropped into TMK [1] 2-3-37: Parcel 3.
TMK [1] 2-3-37: Parcel 3	1949	New Parcel 3 created from TMK [1] 2-3-37: Parcel 1 (see records above). Owner listed as the Territory of Hawaii. Parcel 3 area was 2.812 acres.
	1949	Owner listed as the Territory of Hawaii (Board of Harbor Commissioner)
	1954	Parcel 3 acquired 0.0011 acres from TMK [1] 2-3-37: Parcel 9. Lease issued to William A. Kakanui.
	1958	Lease issued to McWayne Marine Supply, Ltd.
	1958	Lease issued to William A. Kakanui & Walther Yasuo Miyashiro.
	1960	Owner listed as the State of Hawaii (Board of Harbor Commission).
	1966	Entire Parcel 3 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-3-37: Parcel 5	1950	New Parcel 5 was created from TMK [1] 2-3-37: Parcel 3 (See records above). Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to McWayne Marine Supply, Ltd.
	1958	Parcel acquired 0.338 acres from TMK [1] 2-3-37: Parcel 3.



Tax Map Key	Year	Transaction
TMK [1] 2-3-37: Parcel 5 (continued)	1966	Parcel transferred to new TMK [1] 2-1-58: 56 (See records above).
TMK [1] 2-3-37: Parcel 9	1953	Parcel acquired 496 square feet from TMK [1] 2-3-37: Parcel 3 (See records above). Territory of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to William A. Kananui.
	1954	Entire Parcel 9 dropped into TMK [1] 2-3-37: Parcel 3.
TMK [1] 2-3-37: Parcel 9 (continued)	1960	Parcel 9 picked up 1,029 square feet from TMK [1] 2-3-37: Parcel 3. State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to William A. Kananui & Walter Y. Miyashiro to operate restaurant.
	1966	Parcel 9 transferred to new TMK [1] 2-1-58: Parcel 57.
TMK [1] 2-3-37: Parcel 11	1956	Owner listed as the Territory of Hawaii (Board of Harbor Commission).
	1960	Parcel acquired 0.172 acres from TMK [1] 2-3-37: Parcel 14 (See records below).
	1966	Entire Parcel 11 dropped into TMK [1] 2-1-58: Parcel 1 (See records above).
TMK [1] 2-3-37: Parcel 14	1958	New Parcel 14 was created from TMK [1] 2-1-58: Parcel 11 (See records above). Board of Harbor Commissioners listed as owner. Lease issued to George C. Kimura.
	1960	Entire Parcel 14 dropped into TMK [1] 2-3-37: Parcel 11.
	1960	Parcel 14 picked up 5,610 square feet from TMK [1] 2-3-37: Parcel 3 and 1,890 square feet from TMK [1] 2-3-37: Parcel 11 (See records above).
	1966	Parcel 14 transferred to new TMK [1] 2-1-58: Parcel 59 (See records above).
TMK [1] 2-3-37: Parcel 16	1960	New Parcel 16 was created from TMK [1] 2-3-37: Parcel 11 (See records above). State of Hawaii (Board of Harbor Commission) listed as owner. Lease issued to Dept. of Agriculture & Conservation.
	1966	Parcel 16 transferred to new TMK [1] 2-1-58: Parcel 61 (See records above).
TMK [1] 2-3-37: Parcel 17	1960	New Parcel 17 created from TMK [1] 2-3-37: Parcel 11 (See records above). State of Hawaii (Board of Harbor Commission) listed as owner. Lease issued to Hawaii Marineland, Inc.





Tax Map Key	Year	Transaction
TMK [1] 2-3-37: Parcel 17 (continued)	1960	Parcel acquired 1,187 square feet from TMK [1] 2-3-37: Parcel 11.
	1966	Parcel 17 transferred to new TMK [1] 2-1-58: Parcel 60.
TMK [1] 2-3-37: Parcel 18	1960	New Parcel created from TMK [1] 2-3-37: Parcel 3 (See records above). State of Hawaii (Board of Harbor Commissioners) listed as owner. Lease issued to Hawaii Marineland, Inc. for storage and general merchandise.
	1966	Parcel 18 transferred to new TMK [1] 2-1-58: Parcel 58 (See records above).



## **APPENDIX E**

### **HECO LETTER**

TSC 2.7.1 (HECO)  
Due Diligence Inquiries

November 18, 2005



Mr. Tim Swartz  
Clayton Group Services  
970 North Kalaheo Avenue, Suite C-316  
Kailua, HI 96734

Re: Transformer Information; Kaka'ako Waterfront Redevelopment Property

Mr. Swartz:

In response to your November 18, 2005 request for information regarding Hawaiian Electric (HECO) equipment located at the above subject address, we provide the following information:

Pole / Vault #	Transformer Number	Address	Date Purchased	Date Installed	PCB Status
P64R	53091	1025 Ala Moana Blvd	12/01/88	2/04/89	PCB Free
	53098		12/01/88	2/04/89	PCB Free
	53099		12/01/88	2/04/89	PCB Free
P1	51735	123 Ahui St	3/01/88	3/22/88	PCB Free
	51736		3/01/88	3/22/88	PCB Free
	51737		3/01/88	3/22/88	PCB Free
P3	19362	160 Ahui St	1/01/62	11/30/82	Non PCB
	39597		4/01/82	5/18/82	PCB Free
V6676	57705	30 Ahui St	1/01/92	10/15/92	PCB Free

If you have further questions, please feel free to contact me at 543-4524.

Sincerely,

David Kaneko  
Environmental Scientist

